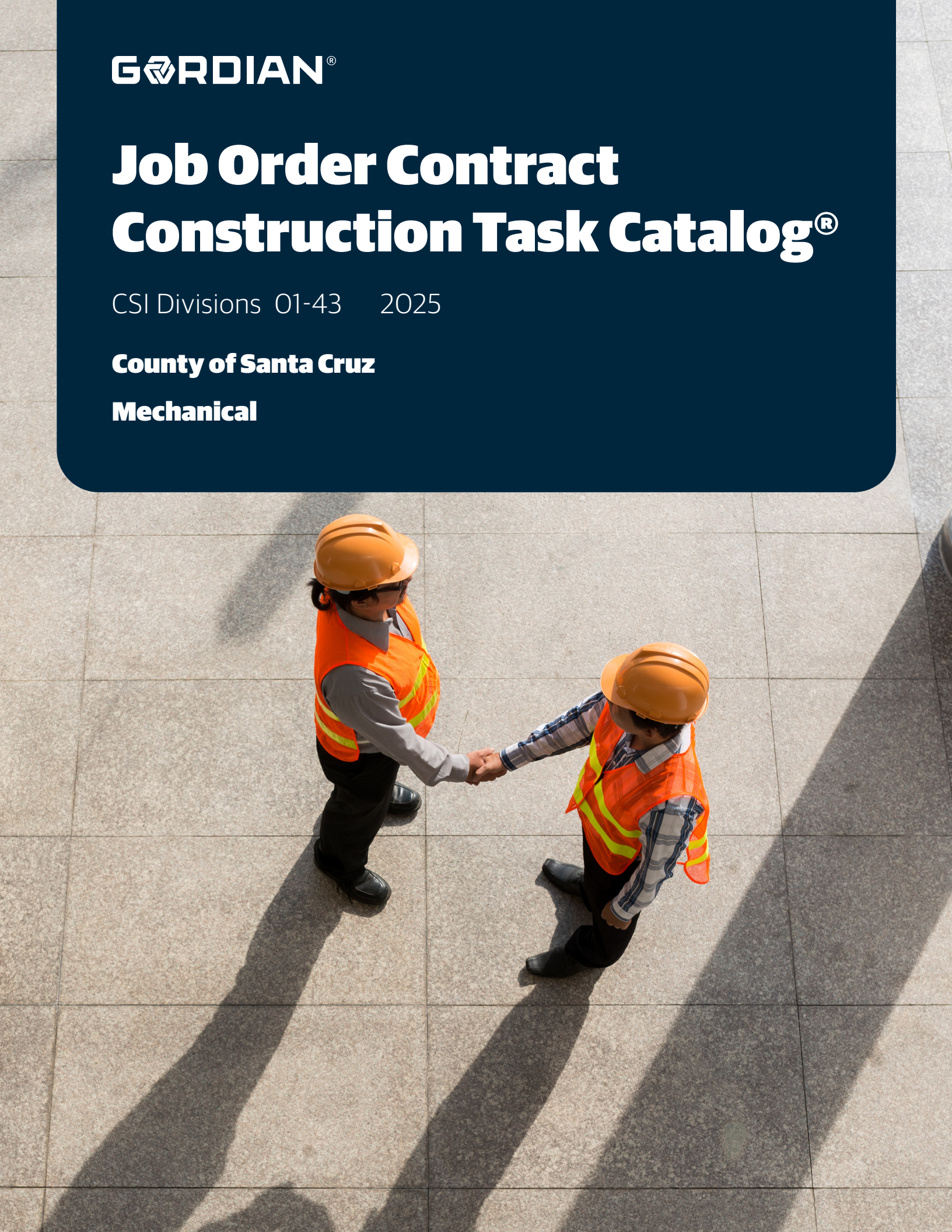
GORDIAN®

Job Order Contract Construction Task Catalog®

CSI Divisions 01-43 2025

County of Santa Cruz

Mechanical



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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Santa Cruz**, priced locally using current labor, material and equipment costs, and published in October 2025.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Santa Cruz**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

Project Related Costs:

- ☑ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

Summary:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification

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shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

Working Height:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

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Field Engineering:

☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

Assemblies:

☑ Assembly Tasks take precedence over individual component Tasks.

Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.

☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

Unit of Measure Definitions:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HDAY – Half Day, HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose

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(Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

Standard Geometry:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2) height
- Surface Area = 2 π radius^2+(2 π radius) height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

Trademarks

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001 NTE Work Covered by Contract Documents 0.00
Note: For specification publishing. Review specifications for requirements.

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Reimbursable Fees *(01 22 16)*
Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002 EA Reimbursable Fees 1.00
Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

01 22 16 00-0003 Negotiated Travel Costs *(01 22 16)*
Note: To be used only at the request of authorized personal for non-commuting travel costs.

01 22 16 00-0004 EA Negotiated Travel Costs 1.00
Note: Supporting documentation must be included with each Work Order.

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*
Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Removal Worker 97.24
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *4.86*
For Apprentice, Deduct *-19.45*

01 22 20 00-0003 HR Insulator 156.93
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *7.85*
For Apprentice, Deduct *-31.39*

01 22 20 00-0004 HR Boilermaker 122.30
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.12*
For Apprentice, Deduct *-24.46*

01 22 20 00-0005 HR Brick Layer 114.25
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *5.71*
For Apprentice, Deduct *-22.85*

01 22 20 00-0006 HR Carpenter 136.25
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.81*
For Apprentice, Deduct *-27.25*

01 22 20 00-0007 HR Carpet, Linoleum 137.36
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.87*
For Apprentice, Deduct *-27.47*

01 22 20 00-0008 HR Cement Mason 101.77
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *5.09*
For Apprentice, Deduct *-20.35*

01 22 20 00-0009 HR Drywall Finisher 129.76
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.49*
For Apprentice, Deduct *-25.95*

01 22 20 00-0010 HR Electrician, Inside Wireman 133.54
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.68*
For Apprentice, Deduct *-26.71*

01 22 20 00-0011 HR Equipment Operator, Crane, Group 1-A 131.51
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

01 22 20 00-0012 HR Equipment Operator, Crane, Group 2-A 129.04
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.45*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013	HR	Equipment Operator, Crane, Group 3-A	126.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0014	HR	Equipment Operator, Medium, Group 3	126.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.31*	
		For Apprentice, Deduct	*-25.22*	
01 22 20 00-0015	HR	Equipment Operator, Medium, Group 4	124.17	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0016	HR	Equipment Operator, Medium, Group 5	122.41	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017	HR	Equipment Operator, Light, Group 6	120.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.03*	
		For Apprentice, Deduct	*-24.11*	
01 22 20 00-0018	HR	Equipment Operator, Light, Group 7	118.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019	HR	Equipment Operator, Light, Group 8	117.39	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020	HR	Glazier	128.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.44*	
		For Apprentice, Deduct	*-25.75*	
01 22 20 00-0021	HR	Laborer	92.64	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022	HR	Lather	127.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.37*	
		For Apprentice, Deduct	*-25.48*	
01 22 20 00-0023	HR	Marble Setter	128.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.44*	
		For Apprentice, Deduct	*-25.78*	
01 22 20 00-0024	HR	Millwright	132.19	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.61*	
		For Apprentice, Deduct	*-26.44*	
01 22 20 00-0025	HR	Mold Removal Worker	95.85	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.79*	
		For Apprentice, Deduct	*-19.17*	
01 22 20 00-0026	HR	Painter, Ordinary	113.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.66*	
		For Apprentice, Deduct	*-22.62*	
01 22 20 00-0027	HR	Painter, Structural Steel	117.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.88*	
		For Apprentice, Deduct	*-23.54*	
01 22 20 00-0028	HR	Paperhanger	113.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.66*	
		For Apprentice, Deduct	*-22.62*	
01 22 20 00-0029	HR	Pile Drivers	146.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.31*	
		For Apprentice, Deduct	*-29.22*	
01 22 20 00-0030	HR	Plasterer	122.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.14*	
		For Apprentice, Deduct	*-24.55*	
01 22 20 00-0031	HR	Plumber	131.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.57*	
		For Apprentice, Deduct	*-26.28*	
01 22 20 00-0032	HR	Powderman	97.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.86*	
		For Apprentice, Deduct	*-19.45*	
01 22 20 00-0033	HR	Rodman (Reinforcing)/Ornamental Steel Worker	109.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.50*	
		For Apprentice, Deduct	*-21.99*	
01 22 20 00-0034	HR	Roofer, Composite	147.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.38*	
		For Apprentice, Deduct	*-29.50*	
01 22 20 00-0035	HR	Roofer, Metal	152.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.62*	
		For Apprentice, Deduct	*-30.49*	
01 22 20 00-0036	HR	Roofer, Tile/Slate	139.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.96*	
		For Apprentice, Deduct	*-27.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037	HR	Sheet Metal Worker	143.49	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.17*	
		For Apprentice, Deduct	*-28.70*	
01 22 20 00-0038	HR	Sprinkler Installer	95.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.77*	
		For Apprentice, Deduct	*-19.07*	
01 22 20 00-0039	HR	Steam / Pipe Fitter	131.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.57*	
		For Apprentice, Deduct	*-26.28*	
01 22 20 00-0040	HR	Stone Mason	114.25	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.71*	
		For Apprentice, Deduct	*-22.85*	
01 22 20 00-0041	HR	Iron Worker, Structural	113.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.67*	
		For Apprentice, Deduct	*-22.67*	
01 22 20 00-0042	HR	Tile Layer	112.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.61*	
		For Apprentice, Deduct	*-22.42*	
01 22 20 00-0043	HR	Terrazzo Worker	120.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.05*	
		For Apprentice, Deduct	*-24.20*	
01 22 20 00-0044	HR	Truck Driver, Light, Group 1	99.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.99*	
		For Apprentice, Deduct	*-19.98*	
01 22 20 00-0045	HR	Truck Driver, Medium, Group 2	100.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046	HR	Truck Driver, Heavy, Group 3	100.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.04*	
		For Apprentice, Deduct	*-20.16*	
01 22 20 00-0047	HR	Truck Driver, Heavy, Group 4	101.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048	HR	Class I Diver	239.69	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0049	HR	Class III Diver Tender	165.82	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050	HR	Welder	113.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.67*	
		For Apprentice, Deduct	*-22.67*	
01 22 20 00-0051	HR	D1 Certified Welder	133.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0052 Rates For Services *(01 22 20)*

01 22 20 00-0053	HR	Watch/Guard Person, Unarmed	40.36	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0054	HR	Watch/Guard Person, Armed	52.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0055	HR	Surveyor, Rod Person	122.83	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0056	HR	Senior Surveyor, Party Chief	139.19	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0057	HR	Surveyor, Instrument Person	124.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0058	HR	On-Site Certified Materials Testing Technician	96.98	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0059	HR	Certified Industrial Hygienist	130.72	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0060	MI	Mileage For Professional Services (Engineering, Surveying, etc.)	0.70	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0061	EA	Security Badge, Processing Fee	92.99	
01 22 20 00-0062	HR	Biologist	123.26	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0063	HR	Ecologist	143.81	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0064	HR	Fire Watch Laborer	92.64	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 20 00-0065 Rates For Project Management Services *(01 22 20)*
Note: Includes subcontracted rates with burden and mark-up

01 22 20 00-0066	HR	Project Manager Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	160.00	

01 22 20 00-0067 Rates For Architectural And Engineering Services *(01 22 20)*
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up

01 22 20 00-0068	HR	Principal Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	243.20	
01 22 20 00-0069	HR	Senior Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	179.20	
01 22 20 00-0070	HR	Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	140.80	
01 22 20 00-0071	HR	Principal Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	209.92	
01 22 20 00-0072	HR	Senior Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	174.08	
01 22 20 00-0073	HR	Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	136.96	
01 22 20 00-0074	HR	Draft Person Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.68	

01 22 20 00-0075 Rates For Traffic Control *(01 22 20)*

01 22 20 00-0076	DAY	Pilot Vehicle With Driver Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	1,144.82	
01 22 20 00-0077	HR	Flagperson For Traffic Control	92.64	

01 22 20 00-0078 Mobilize Equipment *(01 22 20)*

01 22 20 00-0079	HR	Escort Vehicle With Driver	103.62	
01 22 20 00-0080	HR	Transport Vehicle With Driver	140.44	

01 22 23 Equipment Usage *(01 22)*
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0075 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*
Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	435.43	
		For Four-Wheel Drive, Add	*97.97*	
		For Half Day Usage, Deduct	*-136.07*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,095.59	
		For Four-Wheel Drive, Add	*246.51*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,458.05	
		For Four-Wheel Drive, Add	*553.06*	
		For >6 Months (>26 Weeks), Deduct	*-98.32*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	639.09	
		For Four-Wheel Drive, Add	*143.80*	
		For Half Day Usage, Deduct	*-199.72*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,523.99	
		For Four-Wheel Drive, Add	*342.90*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,335.92	
		For Four-Wheel Drive, Add	*750.58*	
		For >6 Months (>26 Weeks), Deduct	*-133.44*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,243.07	
		For Four-Wheel Drive, Add	*279.69*	
		For Half Day Usage, Deduct	*-388.46*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,012.87	
		For Four-Wheel Drive, Add	*677.90*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,320.70	
		For Four-Wheel Drive, Add	*1,422.16*	
		For >6 Months (>26 Weeks), Deduct	*-252.83*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,769.80	
		For Four-Wheel Drive, Add	*398.21*	
		For Half Day Usage, Deduct	*-553.06*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,261.56	
		For Four-Wheel Drive, Add	*958.85*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	10,618.78	
		For Four-Wheel Drive, Add	*2,389.23*	
		For >6 Months (>26 Weeks), Deduct	*-424.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,156.06	
		For Four-Wheel Drive, Add	*485.11*	
		For Half Day Usage, Deduct	*-673.77*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,499.01	
		For Four-Wheel Drive, Add	*1,237.28*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	12,500.94	
		For Four-Wheel Drive, Add	*2,812.71*	
		For >6 Months (>26 Weeks), Deduct	*-500.04*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	431.31	
		For Half Day Usage, Deduct	*-134.78*	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,082.20	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,603.54	
		For >6 Months (>26 Weeks), Deduct	*-104.14*	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	548.94	
		For Half Day Usage, Deduct	*-171.54*	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,199.83	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,978.39	
		For >6 Months (>26 Weeks), Deduct	*-119.14*	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	705.78	
		For Half Day Usage, Deduct	*-220.56*	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,631.14	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,646.53	
		For >6 Months (>26 Weeks), Deduct	*-145.86*	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,231.19	
		For Half Day Usage, Deduct	*-384.75*	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,901.54	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	7,056.23	
		For >6 Months (>26 Weeks), Deduct	*-282.25*	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,391.81	
		For Half Day Usage, Deduct	*-747.44*	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,646.24	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	13,801.92	
		For >6 Months (>26 Weeks), Deduct	*-552.08*	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	431.31	
		For Half Day Usage, Deduct	*-134.78*	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,082.20	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,603.54	
		For >6 Months (>26 Weeks), Deduct	*-104.14*	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	431.31	
		For Half Day Usage, Deduct	*-134.78*	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,082.20	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,603.54	
		For >6 Months (>26 Weeks), Deduct	*-104.14*	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	533.26	
		For Half Day Usage, Deduct	*-166.64*	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,152.77	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,862.33	
		For >6 Months (>26 Weeks), Deduct	*-114.49*	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	533.26	
		For Half Day Usage, Deduct	*-166.64*	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,152.77	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,862.33	
		For >6 Months (>26 Weeks), Deduct	*-114.49*	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	176.00	
		For Half Day Usage, Deduct	*-55.00*	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	352.00	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	720.00	
		For >6 Months (>26 Weeks), Deduct	*-28.80*	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	192.00	
		For Half Day Usage, Deduct	*-60.00*	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	384.00	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	768.00	
		For >6 Months (>26 Weeks), Deduct	*-30.72*	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	248.00	
		For Half Day Usage, Deduct	*-77.50*	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	496.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,064.00	
		For >6 Months (>26 Weeks), Deduct	*-42.56*	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	320.00	
		For Half Day Usage, Deduct	*-100.00*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	632.00	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,400.00	
		For >6 Months (>26 Weeks), Deduct	*-56.00*	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	344.00	
		For Half Day Usage, Deduct	*-107.50*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	672.00	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,520.00	
		For >6 Months (>26 Weeks), Deduct	*-60.80*	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	448.00	
		For Half Day Usage, Deduct	*-140.00*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,112.00	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,096.00	
		For >6 Months (>26 Weeks), Deduct	*-123.84*	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	482.54	
		For Four-Wheel Drive, Add	*96.51*	
		For Half Day Usage, Deduct	*-150.79*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	943.62	
		For Four-Wheel Drive, Add	*188.72*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	2,305.44	
		For Four-Wheel Drive, Add	*461.09*	
		For >6 Months (>26 Weeks), Deduct	*-92.22*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	493.26	
		For Four-Wheel Drive, Add	*98.65*	
		For Half Day Usage, Deduct	*-154.14*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	1,125.92	
		For Four-Wheel Drive, Add	*225.18*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,466.29	
		For Four-Wheel Drive, Add	*493.26*	
		For >6 Months (>26 Weeks), Deduct	*-98.65*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	546.87	
		For Four-Wheel Drive, Add	*109.37*	
		For Half Day Usage, Deduct	*-170.90*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,254.59	
		For Four-Wheel Drive, Add	*250.92*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,787.98	
		For Four-Wheel Drive, Add	*557.60*	
		For >6 Months (>26 Weeks), Deduct	*-111.52*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	579.04	
		For Four-Wheel Drive, Add	*115.81*	
		For Half Day Usage, Deduct	*-180.95*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,351.10	
		For Four-Wheel Drive, Add	*270.22*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	3,324.13	
		For Four-Wheel Drive, Add	*664.83*	
		For >6 Months (>26 Weeks), Deduct	*-132.97*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	1,083.02	
		For Four-Wheel Drive, Add	*216.60*	
		For Half Day Usage, Deduct	*-338.44*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,380.51	
		For Four-Wheel Drive, Add	*476.10*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	5,854.76	
		For Four-Wheel Drive, Add	*1,170.95*	
		For >6 Months (>26 Weeks), Deduct	*-234.19*	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	171.16	
		For Half Day Usage, Deduct	*-53.49*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	484.96	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	979.43	
		For >6 Months (>26 Weeks), Deduct	*-39.18*	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	237.72	
		For Half Day Usage, Deduct	*-74.29*	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	503.98	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,711.62	
		For >6 Months (>26 Weeks), Deduct	*-68.46*	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	399.38	
		For Half Day Usage, Deduct	*-124.81*	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	969.92	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,833.68	
		For >6 Months (>26 Weeks), Deduct	*-113.35*	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	427.90	
		For Half Day Usage, Deduct	*-133.72*	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	1,065.01	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0098		MO	40', Push-Type, Electric Single Man Personnel Lift	3,204.53	
			For >6 Months (>26 Weeks), Deduct	*-128.18*	
01 22 23 00-0099		DAY	15', Self-Propelled, Electric Single Man Personnel Lift	228.22	
			For Half Day Usage, Deduct	*-71.32*	
01 22 23 00-0100		WK	15', Self-Propelled, Electric Single Man Personnel Lift	456.43	
01 22 23 00-0101		MO	15', Self-Propelled, Electric Single Man Personnel Lift	912.86	
			For >6 Months (>26 Weeks), Deduct	*-36.51*	
01 22 23 00-0102		DAY	20', Self-Propelled, Electric Single Man Personnel Lift	228.22	
			For Half Day Usage, Deduct	*-71.32*	
01 22 23 00-0103		WK	20', Self-Propelled, Electric Single Man Personnel Lift	456.43	
01 22 23 00-0104		MO	20', Self-Propelled, Electric Single Man Personnel Lift	949.00	
			For >6 Months (>26 Weeks), Deduct	*-37.96*	

01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106		DAY	29' To 33' Bucket Truck With Full-Time Operator	1,505.26	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-621.58*	
01 22 23 00-0107		WK	29' To 33' Bucket Truck With Full-Time Operator	6,128.44	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0108		MO	29' To 33' Bucket Truck With Full-Time Operator	22,807.70	
			For Equipment Without Operator, Deduct	*-17,470.34*	
			For >6 Months (>26 Weeks), Deduct	*-213.49*	
01 22 23 00-0109		DAY	38' To 41' Bucket Truck With Full-Time Operator	1,594.22	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-649.38*	
01 22 23 00-0110		WK	38' To 41' Bucket Truck With Full-Time Operator	6,414.37	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0111		MO	38' To 41' Bucket Truck With Full-Time Operator	23,570.18	
			For Equipment Without Operator, Deduct	*-17,470.34*	
			For >6 Months (>26 Weeks), Deduct	*-243.99*	
01 22 23 00-0112		DAY	45' To 48' Bucket Truck With Full-Time Operator	1,822.96	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-720.86*	
01 22 23 00-0113		WK	45' To 48' Bucket Truck With Full-Time Operator	6,827.38	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0114		MO	45' To 48' Bucket Truck With Full-Time Operator	24,459.74	
			For Equipment Without Operator, Deduct	*-17,470.34*	
			For >6 Months (>26 Weeks), Deduct	*-279.58*	
01 22 23 00-0115		DAY	62' Bucket Truck With Full-Time Operator	2,331.28	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-879.71*	
01 22 23 00-0116		WK	62' Bucket Truck With Full-Time Operator	8,479.42	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0117		MO	62' Bucket Truck With Full-Time Operator	28,907.54	
			For Equipment Without Operator, Deduct	*-17,470.34*	
			For >6 Months (>26 Weeks), Deduct	*-457.49*	
01 22 23 00-0118		DAY	85' Bucket Truck With Full-Time Operator	2,585.44	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-959.14*	
01 22 23 00-0119		WK	85' Bucket Truck With Full-Time Operator	9,368.98	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0120		MO	85' Bucket Truck With Full-Time Operator	32,084.54	
			For Equipment Without Operator, Deduct	*-17,470.34*	
			For >6 Months (>26 Weeks), Deduct	*-584.57*	
01 22 23 00-0121		Day	105' Bucket Truck With Full-Time Operator	2,712.52	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-998.85*	
01 22 23 00-0122		WK	105' Bucket Truck With Full-Time Operator	9,750.22	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0123		MO	105' Bucket Truck With Full-Time Operator	32,389.53	
			For Equipment Without Operator, Deduct	*-17,470.34*	
			For >6 Months (>26 Weeks), Deduct	*-596.77*	

01 22 23 00-0124 Air Equipment *(01 22 23)*

01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126		DAY	100 CFM Diesel Powered Portable Air Compressor	167.68	
			For Half Day Usage, Deduct	*-52.40*	
01 22 23 00-0127		WK	100 CFM Diesel Powered Portable Air Compressor	503.06	
01 22 23 00-0128		MO	100 CFM Diesel Powered Portable Air Compressor	1,397.38	
			For >6 Months (>26 Weeks), Deduct	*-55.90*	
01 22 23 00-0129		DAY	130 CFM Diesel Powered Portable Air Compressor	201.22	
			For Half Day Usage, Deduct	*-62.88*	
01 22 23 00-0130		WK	130 CFM Diesel Powered Portable Air Compressor	592.49	
01 22 23 00-0131		MO	130 CFM Diesel Powered Portable Air Compressor	1,676.85	
			For >6 Months (>26 Weeks), Deduct	*-67.07*	
01 22 23 00-0132		DAY	185 CFM Diesel Powered Portable Air Compressor	268.30	
			For Half Day Usage, Deduct	*-83.84*	
01 22 23 00-0133		WK	185 CFM Diesel Powered Portable Air Compressor	603.67	
01 22 23 00-0134		MO	185 CFM Diesel Powered Portable Air Compressor	1,330.30	
			For >6 Months (>26 Weeks), Deduct	*-53.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	380.09	
		For Half Day Usage, Deduct	*-118.78*	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	961.39	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,291.70	
		For >6 Months (>26 Weeks), Deduct	*-91.67*	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	845.13	
		For Half Day Usage, Deduct	*-264.10*	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,034.58	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,070.79	
		For >6 Months (>26 Weeks), Deduct	*-202.83*	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,017.29	
		For Half Day Usage, Deduct	*-317.90*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,504.10	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,148.45	
		For >6 Months (>26 Weeks), Deduct	*-245.94*	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,017.29	
		For Half Day Usage, Deduct	*-317.90*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,504.10	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,148.45	
		For >6 Months (>26 Weeks), Deduct	*-245.94*	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,184.97	
		For Half Day Usage, Deduct	*-370.30*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,656.13	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,083.01	
		For >6 Months (>26 Weeks), Deduct	*-283.32*	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,475.63	
		For Half Day Usage, Deduct	*-461.13*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,320.16	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	8,853.77	
		For >6 Months (>26 Weeks), Deduct	*-354.15*	

01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	112.00	
		For Half Day Usage, Deduct	*-35.00*	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	460.00	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,390.00	
		For >6 Months (>26 Weeks), Deduct	*-55.60*	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	13.83	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	28.11	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	133.33	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.49	

01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	62.38	
		For Half Day Usage, Deduct	*-19.49*	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	259.30	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	717.78	
		For >6 Months (>26 Weeks), Deduct	*-28.71*	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	78.92	
		For Half Day Usage, Deduct	*-24.66*	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	326.95	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	958.29	
		For >6 Months (>26 Weeks), Deduct	*-38.33*	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	101.47	
		For Half Day Usage, Deduct	*-31.71*	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	432.17	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,210.08	
		For >6 Months (>26 Weeks), Deduct	*-48.40*	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	18.34	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	24.35	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	223.53	

01 22 23 00-0174 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0175 Pavers And Rollers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0176 Pavers *(01 22 23 00-0175)*

01 22 23 00-0177	DAY	10' Wide Paving Machine With Full-Time Operator	4,564.46	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,615.56*	
01 22 23 00-0178	WK	10' Wide Paving Machine With Full-Time Operator	19,266.69	
		For Equipment Without Operator, Deduct	*-5,044.43*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0179		MO	10' Wide Paving Machine With Full-Time Operator	72,653.88	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-2,031.79*	

01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0175)*

01 22 23 00-0181		DAY	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,365.34	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-615.84*	
01 22 23 00-0182		WK	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,122.53	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0183		MO	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	24,785.85	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-117.07*	
01 22 23 00-0184		DAY	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,502.92	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-658.83*	
01 22 23 00-0185		WK	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	7,145.61	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0186		MO	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	26,330.46	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-178.85*	
01 22 23 00-0187		DAY	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,509.17	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-660.78*	
01 22 23 00-0188		WK	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,739.13	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0189		MO	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	26,630.63	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-190.86*	

01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0191		DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,421.62	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-633.42*	
01 22 23 00-0192		WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,188.82	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0193		MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,167.31	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-132.32*	
01 22 23 00-0194		DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,684.27	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-715.50*	
01 22 23 00-0195		WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,720.37	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0196		MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,843.25	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-199.36*	
01 22 23 00-0197		DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,746.80	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-735.04*	
01 22 23 00-0198		WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,114.34	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0199		MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,943.87	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-243.39*	

01 22 23 00-0200 Towed, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0201		DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	118.82	
			For Half Day Usage, Deduct	*-37.13*	
01 22 23 00-0202		WK	48" Wide, 40" Diameter, Towed Padfoot Roller	343.94	
01 22 23 00-0203		MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,013.07	
			For >6 Months (>26 Weeks), Deduct	*-40.52*	
01 22 23 00-0204		DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	150.08	
			For Half Day Usage, Deduct	*-46.90*	
01 22 23 00-0205		WK	60" Wide, 60" Diameter, Towed Padfoot Roller	418.98	
01 22 23 00-0206		MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,782.25	
			For >6 Months (>26 Weeks), Deduct	*-71.29*	

01 22 23 00-0207 Static Rollers *(01 22 23 00-0175)*

01 22 23 00-0208		DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,452.89	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-643.20*	
01 22 23 00-0209		WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,457.72	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0210		MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,049.05	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-167.59*	
01 22 23 00-0211		DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,590.47	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-686.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0212	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,832.93	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0213	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	27,087.14	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-209.12*	

01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0175)*

01 22 23 00-0215	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,252.78	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-580.66*	
01 22 23 00-0216	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,757.33	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0217	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,735.26	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-75.04*	
01 22 23 00-0218	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,346.58	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-609.97*	
01 22 23 00-0219	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,038.74	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0220	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,485.68	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-105.06*	
01 22 23 00-0221	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,409.11	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-629.51*	
01 22 23 00-0222	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,226.34	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0223	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,985.96	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-125.07*	
01 22 23 00-0224	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,490.41	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-654.92*	
01 22 23 00-0225	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,463.97	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0226	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,605.06	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-149.83*	
01 22 23 00-0227	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,653.00	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-705.73*	
01 22 23 00-0228	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,939.24	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0229	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,862.01	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-200.11*	

01 22 23 00-0230 Steel Roadway Plates *(01 22 23 00-0174)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0231	EA	Placement And Removal Of Steel Roadway Plates	59.31	
01 22 23 00-0232	DAY	1" x 4' x 8' Steel Plate	44.88	
01 22 23 00-0233	WK	1" x 4' x 8' Steel Plate	105.98	
01 22 23 00-0234	MO	1" x 4' x 8' Steel Plate	139.47	
		For >6 Months (>26 Weeks), Deduct	*-5.58*	
01 22 23 00-0235	DAY	1" x 4' x 10' Steel Plate	59.85	
01 22 23 00-0236	WK	1" x 4' x 10' Steel Plate	134.65	
01 22 23 00-0237	MO	1" x 4' x 10' Steel Plate	164.58	
		For >6 Months (>26 Weeks), Deduct	*-6.58*	
01 22 23 00-0238	DAY	1" x 5' x 10' Steel Plate	62.34	
01 22 23 00-0239	WK	1" x 5' x 10' Steel Plate	140.89	
01 22 23 00-0240	MO	1" x 5' x 10' Steel Plate	374.04	
		For >6 Months (>26 Weeks), Deduct	*-14.96*	
01 22 23 00-0241	DAY	1" x 6' x 8' Steel Plate	39.90	
01 22 23 00-0242	WK	1" x 6' x 8' Steel Plate	89.77	
01 22 23 00-0243	MO	1" x 6' x 8' Steel Plate	239.39	
		For >6 Months (>26 Weeks), Deduct	*-9.58*	
01 22 23 00-0244	DAY	1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0245	WK	1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0246	MO	1" x 6' x 10' Steel Plate	263.07	
		For >6 Months (>26 Weeks), Deduct	*-10.52*	
01 22 23 00-0247	DAY	1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0248	WK	1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0249	MO	1" x 6' x 12' Steel Plate	362.82	
		For >6 Months (>26 Weeks), Deduct	*-14.51*	
01 22 23 00-0250	DAY	1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0251	WK	1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0252	MO	1" x 8' x 10' Steel Plate	395.24	
		For >6 Months (>26 Weeks), Deduct	*-15.81*	
01 22 23 00-0253	DAY	1" x 8' x 12' Steel Plate	119.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0254	WK	1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0255	MO	1" x 8' x 12' Steel Plate	718.16	
		For >6 Months (>26 Weeks), Deduct	*-28.73*	
01 22 23 00-0256	DAY	1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0257	WK	1" x 8' x 16' Steel Plate	359.08	
01 22 23 00-0258	MO	1" x 8' x 16' Steel Plate	957.54	
		For >6 Months (>26 Weeks), Deduct	*-38.30*	
01 22 23 00-0259	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.62	1.14
01 22 23 00-0260	EA	Removal And Resetting Of Steel Roadway Plate	32.95	

01 22 23 00-0261 Street Sweepers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0262	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	1,184.79	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-551.08*	
01 22 23 00-0263	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	5,695.34	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0264	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	24,007.00	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-124.43*	
01 22 23 00-0265	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	2,737.96	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-1,036.45*	
01 22 23 00-0266	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	11,926.05	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0267	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	46,248.12	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-1,014.08*	

01 22 23 00-0268 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0269 Skid-Steer Loaders *(01 22 23 00-0268)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0270	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,332.31	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-597.18*	
01 22 23 00-0271	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,787.27	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0272	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	23,220.34	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-92.97*	
01 22 23 00-0273	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,429.28	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-627.48*	
01 22 23 00-0274	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	5,962.74	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0275	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	23,605.14	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-108.36*	
01 22 23 00-0276	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,456.98	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-636.14*	
01 22 23 00-0277	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,215.17	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0278	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	24,274.69	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-135.14*	
01 22 23 00-0279	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,564.73	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-669.81*	
01 22 23 00-0280	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,569.18	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0281	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	25,444.49	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-181.93*	
01 22 23 00-0282	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,749.43	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-727.53*	
01 22 23 00-0283	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,269.52	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0284	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	27,168.39	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-250.89*	
01 22 23 00-0285	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	307.84	
		For Half Day Usage, Deduct	*-96.20*	
01 22 23 00-0286	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,023.57	
01 22 23 00-0287	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,724.38	
		For >6 Months (>26 Weeks), Deduct	*-108.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0288	DAY	Forklift Attachment For Skid-Steer Loaders	66.19	
		For Half Day Usage, Deduct	*-20.68*	
01 22 23 00-0289	WK	Forklift Attachment For Skid-Steer Loaders	177.01	
01 22 23 00-0290	MO	Forklift Attachment For Skid-Steer Loaders	500.24	
		For >6 Months (>26 Weeks), Deduct	*-20.01*	
01 22 23 00-0291	DAY	Backhoe Attachment For Skid-Steer Loaders	146.22	
		For Half Day Usage, Deduct	*-45.69*	
01 22 23 00-0292	WK	Backhoe Attachment For Skid-Steer Loaders	350.94	
01 22 23 00-0293	MO	Backhoe Attachment For Skid-Steer Loaders	872.73	
		For >6 Months (>26 Weeks), Deduct	*-34.91*	
01 22 23 00-0294	DAY	Broom Attachment For Skid-Steer Loaders	144.68	
		For Half Day Usage, Deduct	*-45.21*	
01 22 23 00-0295	WK	Broom Attachment For Skid-Steer Loaders	392.50	
01 22 23 00-0296	MO	Broom Attachment For Skid-Steer Loaders	1,038.96	
		For >6 Months (>26 Weeks), Deduct	*-41.56*	
01 22 23 00-0297	DAY	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	126.21	
		For Half Day Usage, Deduct	*-39.44*	
01 22 23 00-0298	WK	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	347.86	
01 22 23 00-0299	MO	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	949.69	
		For >6 Months (>26 Weeks), Deduct	*-37.99*	
01 22 23 00-0300	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	34.79	
		For Half Day Usage, Deduct	*-10.87*	
01 22 23 00-0301	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	91.01	
01 22 23 00-0302	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	267.68	
		For >6 Months (>26 Weeks), Deduct	*-10.71*	
01 22 23 00-0303	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	46.84	
		For Half Day Usage, Deduct	*-14.64*	
01 22 23 00-0304	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	116.44	
01 22 23 00-0305	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	348.00	
		For >6 Months (>26 Weeks), Deduct	*-13.92*	
01 22 23 00-0306	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	68.25	
		For Half Day Usage, Deduct	*-21.33*	
01 22 23 00-0307	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	207.47	
01 22 23 00-0308	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	615.68	
		For >6 Months (>26 Weeks), Deduct	*-24.63*	
01 22 23 00-0309	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	13.85	
		For Half Day Usage, Deduct	*-4.33*	
01 22 23 00-0310	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	32.32	
01 22 23 00-0311	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	86.20	
		For >6 Months (>26 Weeks), Deduct	*-3.45*	

01 22 23 00-0312 Bulldozers *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0313	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,414.92	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-631.33*	
01 22 23 00-0314	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,645.58	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0315	MO	70 HP, D3 Bulldozer With Full-Time Operator	26,609.03	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-189.99*	
01 22 23 00-0316	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,606.45	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-691.18*	
01 22 23 00-0317	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,419.34	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0318	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	28,983.94	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-284.99*	
01 22 23 00-0319	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,150.38	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-861.16*	
01 22 23 00-0320	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,595.06	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0321	MO	140 HP, D6 Bulldozer With Full-Time Operator	35,495.79	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-545.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0322	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,633.02	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,011.99*	
01 22 23 00-0323	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,533.30	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0324	MO	200 HP, D7 Bulldozer With Full-Time Operator	41,318.15	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-778.36*	
01 22 23 00-0325	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,207.60	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,191.54*	
01 22 23 00-0326	WK	335 HP, D8 Bulldozer With Full-Time Operator	13,831.60	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0327	MO	335 HP, D8 Bulldozer With Full-Time Operator	48,213.05	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-1,054.15*	
01 22 23 00-0328	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,529.36	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,292.09*	
01 22 23 00-0329	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,110.98	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0330	MO	460 HP, D9 Bulldozer With Full-Time Operator	52,043.55	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-1,207.37*	

01 22 23 00-0331 Motor Scraper *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0332	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,351.36	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-923.97*	
01 22 23 00-0333	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,414.31	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0334	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	37,950.46	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-643.65*	
01 22 23 00-0335	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,893.87	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,093.50*	
01 22 23 00-0336	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,584.33	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0337	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	44,478.91	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-904.79*	
01 22 23 00-0338	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,417.98	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,257.29*	
01 22 23 00-0339	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	14,671.59	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0340	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	50,731.51	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-1,154.89*	

01 22 23 00-0341 Hydraulic Excavators *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0342	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,370.66	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-617.50*	
01 22 23 00-0343	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,324.03	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0344	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	26,146.89	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-171.51*	
01 22 23 00-0345	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,472.50	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-649.32*	
01 22 23 00-0346	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	6,772.90	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0347	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	27,942.36	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-243.33*	
01 22 23 00-0348	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,504.65	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-659.37*	
01 22 23 00-0349	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	6,940.39	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0350	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	28,237.13	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-255.12*	
01 22 23 00-0351	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,538.15	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-669.84*	
01 22 23 00-0352	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,094.48	
		For Equipment Without Operator, Deduct	*-5,044.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0353	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	28,531.91	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-266.91*	
01 22 23 00-0354	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,564.95	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-678.21*	
01 22 23 00-0355	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,255.27	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0356	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	28,826.69	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-278.70*	
01 22 23 00-0357	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,926.72	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-791.27*	
01 22 23 00-0358	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,695.66	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0359	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	32,812.89	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-438.15*	
01 22 23 00-0360	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,980.32	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-808.02*	
01 22 23 00-0361	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	8,930.14	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0362	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	33,516.34	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-466.29*	
01 22 23 00-0363	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,080.81	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-839.42*	
01 22 23 00-0364	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,332.11	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0365	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	34,722.25	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-514.52*	
01 22 23 00-0366	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,194.70	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-875.01*	
01 22 23 00-0367	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,780.98	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0368	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	36,062.15	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-568.12*	
01 22 23 00-0369	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,228.20	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-885.48*	
01 22 23 00-0370	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	9,914.97	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0371	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	36,464.12	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-584.20*	
01 22 23 00-0372	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,549.77	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-985.97*	
01 22 23 00-0373	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,207.97	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0374	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	40,349.83	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-739.62*	
01 22 23 00-0375	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,012.04	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,130.43*	
01 22 23 00-0376	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,043.63	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0377	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	45,843.42	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-959.37*	
01 22 23 00-0378	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,581.50	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,308.39*	
01 22 23 00-0379	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,321.46	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0380	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	52,676.91	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-1,232.71*	
01 22 23 00-0381	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	93.79	
		For Half Day Usage, Deduct	*-29.31*	
01 22 23 00-0382	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	361.77	
01 22 23 00-0383	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,071.92	
		For >6 Months (>26 Weeks), Deduct	*-42.88*	
01 22 23 00-0384	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	415.37	
		For Half Day Usage, Deduct	*-129.80*	
01 22 23 00-0385	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,098.72	
01 22 23 00-0386	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,075.07	
		For >6 Months (>26 Weeks), Deduct	*-123.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0387		DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	643.15	
			For Half Day Usage, Deduct	*-200.98*	
01 22 23 00-0388		WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,641.38	
01 22 23 00-0389		MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,267.58	
			For >6 Months (>26 Weeks), Deduct	*-170.70*	
01 22 23 00-0390		DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	897.73	
			For Half Day Usage, Deduct	*-280.54*	
01 22 23 00-0391		WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,418.52	
01 22 23 00-0392		MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	6,779.89	
			For >6 Months (>26 Weeks), Deduct	*-271.20*	
01 22 23 00-0393		DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	187.59	
			For Half Day Usage, Deduct	*-58.62*	
01 22 23 00-0394		WK	24" Compaction Wheel Attachment For Hydraulic Excavators	750.34	
01 22 23 00-0395		MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,251.03	
			For >6 Months (>26 Weeks), Deduct	*-90.04*	
01 22 23 00-0396		DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	267.98	
			For Half Day Usage, Deduct	*-83.74*	
01 22 23 00-0397		WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,071.92	
01 22 23 00-0398		MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,215.76	
			For >6 Months (>26 Weeks), Deduct	*-128.63*	
01 22 23 00-0399		DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	294.78	
			For Half Day Usage, Deduct	*-92.12*	
01 22 23 00-0400		WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,165.71	
01 22 23 00-0401		MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,483.74	
			For >6 Months (>26 Weeks), Deduct	*-139.35*	

01 22 23 00-0402 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0403		DAY	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	4,498.30	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Track Gradall, Add	*418.73*	
			For Half Day Usage, Deduct	*-1,594.89*	
01 22 23 00-0404		WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	13,245.65	
			For Equipment Without Operator, Deduct	*-5,044.43*	
			For Track Gradall, Add	*984.15*	
01 22 23 00-0405		MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	51,130.54	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For Track Gradall, Add	*3,512.56*	
			For >6 Months (>26 Weeks), Deduct	*-1,170.85*	

01 22 23 00-0406 Mini-Excavators *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0407		DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,290.27	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-592.38*	
01 22 23 00-0408		WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,841.67	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0409		MO	2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	23,614.48	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-70.21*	
01 22 23 00-0410		DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,296.97	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-594.47*	
01 22 23 00-0411		WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,861.77	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0412		MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,036.55	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-87.09*	
01 22 23 00-0413		DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,330.47	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-604.94*	
01 22 23 00-0414		WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,955.56	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0415		MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,096.84	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-89.51*	
01 22 23 00-0416		DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,343.87	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-609.13*	
01 22 23 00-0417		WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,002.46	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0418		MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,123.64	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-90.58*	
01 22 23 00-0419		DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,424.26	
			For Equipment Without Operator, Deduct	*-1,008.89*	
			For Half Day Usage, Deduct	*-634.25*	
01 22 23 00-0420		WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,069.45	
			For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0421		MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,900.78	
			For Equipment Without Operator, Deduct	*-21,859.21*	
			For >6 Months (>26 Weeks), Deduct	*-121.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0422	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,430.96	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-636.34*	
01 22 23 00-0423	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,404.43	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0424	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,934.28	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-123.00*	

01 22 23 00-0425 Road Graders *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0426	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,388.14	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-935.46*	
01 22 23 00-0427	WK	50 To 60 HP Road Grader With Full-Time Operator	8,630.48	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0428	MO	50 To 60 HP Road Grader With Full-Time Operator	31,513.96	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-386.19*	
01 22 23 00-0429	DAY	80 To 100 HP Road Grader With Full-Time Operator	3,068.57	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,148.10*	
01 22 23 00-0430	WK	80 To 100 HP Road Grader With Full-Time Operator	10,138.46	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0431	MO	80 To 100 HP Road Grader With Full-Time Operator	36,111.46	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-570.09*	
01 22 23 00-0432	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,575.82	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,306.61*	
01 22 23 00-0433	WK	130 To 140 HP Road Grader With Full-Time Operator	11,640.92	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0434	MO	130 To 140 HP Road Grader With Full-Time Operator	41,651.45	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-791.69*	
01 22 23 00-0435	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,346.67	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,547.50*	
01 22 23 00-0436	WK	170 To 185 HP Road Grader With Full-Time Operator	18,395.57	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0437	MO	170 To 185 HP Road Grader With Full-Time Operator	68,588.16	
		For Equipment Without Operator, Deduct	*-21,859.17*	
		For >6 Months (>26 Weeks), Deduct	*-1,869.16*	

01 22 23 00-0438 Loader-Backhoes With Standard Bucket *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0439	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,466.35	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-647.40*	
01 22 23 00-0440	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,130.91	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0441	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	24,416.11	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-102.28*	
01 22 23 00-0442	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,515.37	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-662.72*	
01 22 23 00-0443	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,302.46	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0444	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,461.74	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-144.10*	
01 22 23 00-0445	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,590.93	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-686.33*	
01 22 23 00-0446	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,490.34	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0447	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	26,000.89	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-165.67*	
01 22 23 00-0448	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,927.90	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-791.64*	
01 22 23 00-0449	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,495.13	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0450	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	28,876.38	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-280.69*	

01 22 23 00-0451 Heavy-Duty Construction Loaders *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0452	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,473.38	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-649.60*	
01 22 23 00-0453	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,880.95	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0454	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	27,361.63	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-220.10*	
01 22 23 00-0455	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,859.26	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-770.19*	
01 22 23 00-0456	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,302.57	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0457	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	27,576.01	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-228.67*	
01 22 23 00-0458	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,945.02	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-796.99*	
01 22 23 00-0459	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,531.24	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0460	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,147.69	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-251.54*	
01 22 23 00-0461	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,180.83	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-870.68*	
01 22 23 00-0462	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,152.94	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0463	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	29,719.81	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-314.42*	
01 22 23 00-0464	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,788.24	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-1,060.49*	
01 22 23 00-0465	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	12,147.55	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0466	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	43,154.29	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-851.80*	
01 22 23 00-0467	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,789.93	
		For Equipment Without Operator, Deduct	*-1,008.89*	
		For Half Day Usage, Deduct	*-2,311.02*	
01 22 23 00-0468	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	23,816.77	
		For Equipment Without Operator, Deduct	*-5,044.43*	
01 22 23 00-0469	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	73,018.92	
		For Equipment Without Operator, Deduct	*-21,859.21*	
		For >6 Months (>26 Weeks), Deduct	*-2,046.39*	

01 22 23 00-0470 Shoring *(01 22 23 00-0268)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0471 Aluminum Hydraulic Shoring *(01 22 23 00-0470)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0472	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	119.31	
01 22 23 00-0473	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	351.92	
		For >6 Months (>26 Weeks), Deduct	*-14.08*	
01 22 23 00-0474	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	160.05	
01 22 23 00-0475	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	472.08	
		For >6 Months (>26 Weeks), Deduct	*-18.88*	
01 22 23 00-0476	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	296.78	
01 22 23 00-0477	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	875.50	
		For >6 Months (>26 Weeks), Deduct	*-35.02*	
01 22 23 00-0478	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	29.14	
01 22 23 00-0479	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	46.63	
01 22 23 00-0480	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	77.71	

01 22 23 00-0481 Trench Boxes/Trench Shields *(01 22 23 00-0268)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0482	WK	4' x 6' Trench Box With Up To 48" Spreaders	260.32	
01 22 23 00-0483	MO	4' x 6' Trench Box With Up To 48" Spreaders	780.97	
		For >6 Months (>26 Weeks), Deduct	*-31.24*	
01 22 23 00-0484	WK	6' x 6' Trench Box With Up To 48" Spreaders	293.91	
01 22 23 00-0485	MO	6' x 6' Trench Box With Up To 48" Spreaders	881.74	
		For >6 Months (>26 Weeks), Deduct	*-35.27*	
01 22 23 00-0486	WK	8' x 6' Trench Box With Up To 48" Spreaders	310.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0487	MO	8' x 6' Trench Box With Up To 48" Spreaders	932.12	
		For >6 Months (>26 Weeks), Deduct	*-37.28*	
01 22 23 00-0488	WK	4' x 8' Trench Box With Up To 48" Spreaders	285.52	
01 22 23 00-0489	MO	4' x 8' Trench Box With Up To 48" Spreaders	856.54	
		For >6 Months (>26 Weeks), Deduct	*-34.26*	
01 22 23 00-0490	WK	6' x 8' Trench Box With Up To 48" Spreaders	335.90	
01 22 23 00-0491	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,007.70	
		For >6 Months (>26 Weeks), Deduct	*-40.31*	
01 22 23 00-0492	WK	8' x 8' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0493	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0494	WK	4' x 10' Trench Box With Up To 48" Spreaders	319.10	
01 22 23 00-0495	MO	4' x 10' Trench Box With Up To 48" Spreaders	957.32	
		For >6 Months (>26 Weeks), Deduct	*-38.29*	
01 22 23 00-0496	WK	6' x 10' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0497	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0498	WK	8' x 10' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0499	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,377.19	
		For >6 Months (>26 Weeks), Deduct	*-55.09*	
01 22 23 00-0500	WK	4' x 12' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0501	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0502	WK	6' x 12' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0503	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,385.59	
		For >6 Months (>26 Weeks), Deduct	*-55.42*	
01 22 23 00-0504	WK	8' x 12' Trench Box With Up To 48" Spreaders	587.82	
01 22 23 00-0505	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,763.48	
		For >6 Months (>26 Weeks), Deduct	*-70.54*	
01 22 23 00-0506	WK	4' x 14' Trench Box With Up To 48" Spreaders	419.88	
01 22 23 00-0507	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,259.62	
		For >6 Months (>26 Weeks), Deduct	*-50.38*	
01 22 23 00-0508	WK	6' x 14' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0509	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,637.51	
		For >6 Months (>26 Weeks), Deduct	*-65.50*	
01 22 23 00-0510	WK	8' x 14' Trench Box With Up To 48" Spreaders	671.80	
01 22 23 00-0511	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,015.40	
		For >6 Months (>26 Weeks), Deduct	*-80.62*	
01 22 23 00-0512	WK	4' x 16' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0513	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,385.59	
		For >6 Months (>26 Weeks), Deduct	*-55.42*	
01 22 23 00-0514	WK	6' x 16' Trench Box With Up To 48" Spreaders	629.81	
01 22 23 00-0515	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,889.44	
		For >6 Months (>26 Weeks), Deduct	*-75.58*	
01 22 23 00-0516	WK	8' x 16' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0517	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0518	WK	4' x 20' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0519	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,637.51	
		For >6 Months (>26 Weeks), Deduct	*-65.50*	
01 22 23 00-0520	WK	6' x 20' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0521	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0522	WK	8' x 20' Trench Box With Up To 48" Spreaders	881.74	
01 22 23 00-0523	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,645.21	
		For >6 Months (>26 Weeks), Deduct	*-105.81*	
01 22 23 00-0524	WK	4' x 24' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0525	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0526	WK	6' x 24' Trench Box With Up To 48" Spreaders	923.72	
01 22 23 00-0527	MO	6' x 24' Trench Box With Up To 48" Spreaders	2,771.18	
		For >6 Months (>26 Weeks), Deduct	*-110.85*	
01 22 23 00-0528	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,007.70	
01 22 23 00-0529	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,023.10	
		For >6 Months (>26 Weeks), Deduct	*-120.92*	
01 22 23 00-0530	WK	For Spreaders >48" To 84", Add	25.19	
01 22 23 00-0531	MO	For Spreaders >48" To 84", Add	75.58	
		For >6 Months (>26 Weeks), Deduct	*-3.02*	
01 22 23 00-0532	WK	For Spreaders >84" To 120", Add	151.16	
01 22 23 00-0533	MO	For Spreaders >84" To 120", Add	453.46	
		For >6 Months (>26 Weeks), Deduct	*-18.14*	
01 22 23 00-0534	WK	For Spreaders >120", Add	319.10	
01 22 23 00-0535	MO	For Spreaders >120", Add	957.32	
		For >6 Months (>26 Weeks), Deduct	*-38.29*	
01 22 23 00-0536	WK	8' x 4' Manhole Box	396.78	
01 22 23 00-0537	MO	8' x 4' Manhole Box	1,190.35	
		For >6 Months (>26 Weeks), Deduct	*-47.61*	
01 22 23 00-0538	WK	8' x 8' Manhole Box	566.83	
01 22 23 00-0539	MO	8' x 8' Manhole Box	1,700.49	
		For >6 Months (>26 Weeks), Deduct	*-68.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0540 Trenchers *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0541	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,316.04	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-592.10*	
01 22 23 00-0542	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,019.83	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0543	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	24,192.40	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-131.85*	
01 22 23 00-0544	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,909.36	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-777.51*	
01 22 23 00-0545	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,019.55	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0546	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	29,686.15	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-351.60*	

01 22 23 00-0547 Portable Sediment Tank *(01 22 23 00-0268)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0548	WK	Portable Sediment Tank	206.94	
01 22 23 00-0549	MO	Portable Sediment Tank	607.02	
		For >6 Months (>26 Weeks), Deduct	*-24.28*	

01 22 23 00-0550 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0268)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0268 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0551	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	27.18	
		For Half Day Usage, Deduct	*-8.49*	
01 22 23 00-0552	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	64.70	
01 22 23 00-0553	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	135.88	
		For >6 Months (>26 Weeks), Deduct	*-5.44*	
01 22 23 00-0554	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	28.53	
		For Half Day Usage, Deduct	*-8.92*	
01 22 23 00-0555	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	67.94	
01 22 23 00-0556	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	142.67	
		For >6 Months (>26 Weeks), Deduct	*-5.71*	
01 22 23 00-0557	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.10	
		For Half Day Usage, Deduct	*-7.22*	
01 22 23 00-0558	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.35	
01 22 23 00-0559	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	115.50	
		For >6 Months (>26 Weeks), Deduct	*-4.62*	
01 22 23 00-0560	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	25.82	
		For Half Day Usage, Deduct	*-8.07*	
01 22 23 00-0561	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	61.15	
01 22 23 00-0562	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	129.09	
		For >6 Months (>26 Weeks), Deduct	*-5.16*	
01 22 23 00-0563	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	28.53	
		For Half Day Usage, Deduct	*-8.92*	
01 22 23 00-0564	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	67.94	
01 22 23 00-0565	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	142.67	
		For >6 Months (>26 Weeks), Deduct	*-5.71*	
01 22 23 00-0566	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	31.25	
		For Half Day Usage, Deduct	*-9.77*	
01 22 23 00-0567	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	74.41	
01 22 23 00-0568	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	156.26	
		For >6 Months (>26 Weeks), Deduct	*-6.25*	
01 22 23 00-0569	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	24.46	
		For Half Day Usage, Deduct	*-7.64*	
01 22 23 00-0570	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	67.94	
01 22 23 00-0571	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	122.29	
		For >6 Months (>26 Weeks), Deduct	*-4.89*	
01 22 23 00-0572	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	28.53	
		For Half Day Usage, Deduct	*-8.92*	
01 22 23 00-0573	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	67.94	
01 22 23 00-0574	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	142.67	
		For >6 Months (>26 Weeks), Deduct	*-5.71*	
01 22 23 00-0575	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	33.97	
		For Half Day Usage, Deduct	*-10.62*	
01 22 23 00-0576	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	74.73	
01 22 23 00-0577	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	169.85	
		For >6 Months (>26 Weeks), Deduct	*-6.79*	
01 22 23 00-0578	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.69	
		For Half Day Usage, Deduct	*-11.47*	
01 22 23 00-0579	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	87.35	
01 22 23 00-0580	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	183.44	
		For >6 Months (>26 Weeks), Deduct	*-7.34*	
01 22 23 00-0581	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.41	
		For Half Day Usage, Deduct	*-12.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0582	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	93.82	
01 22 23 00-0583	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	197.03	
		For >6 Months (>26 Weeks), Deduct	*-7.88*	
01 22 23 00-0584	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	40.76	
		For Half Day Usage, Deduct	*-12.74*	
01 22 23 00-0585	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	97.06	
01 22 23 00-0586	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	203.82	
		For >6 Months (>26 Weeks), Deduct	*-8.15*	
01 22 23 00-0587	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.07	
		For Half Day Usage, Deduct	*-4.08*	
01 22 23 00-0588	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.68	
01 22 23 00-0589	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.04	
		For >6 Months (>26 Weeks), Deduct	*-3.92*	
01 22 23 00-0590	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.63	
		For Half Day Usage, Deduct	*-4.88*	
01 22 23 00-0591	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.07	
01 22 23 00-0592	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	117.20	
		For >6 Months (>26 Weeks), Deduct	*-4.69*	
01 22 23 00-0593	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.85	
		For Half Day Usage, Deduct	*-5.58*	
01 22 23 00-0594	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.61	
01 22 23 00-0595	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	133.84	
		For >6 Months (>26 Weeks), Deduct	*-5.35*	
01 22 23 00-0596	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.02	
		For Half Day Usage, Deduct	*-5.94*	
01 22 23 00-0597	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.56	
01 22 23 00-0598	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	142.67	
		For >6 Months (>26 Weeks), Deduct	*-5.71*	
01 22 23 00-0599	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.74	
		For Half Day Usage, Deduct	*-6.79*	
01 22 23 00-0600	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.35	
01 22 23 00-0601	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	163.06	
		For >6 Months (>26 Weeks), Deduct	*-6.52*	
01 22 23 00-0602	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.98	
		For Half Day Usage, Deduct	*-7.81*	
01 22 23 00-0603	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	62.46	
01 22 23 00-0604	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	187.38	
		For >6 Months (>26 Weeks), Deduct	*-7.50*	
01 22 23 00-0605	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.22	
		For Half Day Usage, Deduct	*-6.01*	
01 22 23 00-0606	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.06	
01 22 23 00-0607	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	144.17	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0608	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.03	
		For Half Day Usage, Deduct	*-8.13*	
01 22 23 00-0609	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	65.06	
01 22 23 00-0610	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	195.19	
		For >6 Months (>26 Weeks), Deduct	*-7.81*	
01 22 23 00-0611	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.50	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-0612	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.25	
01 22 23 00-0613	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	168.76	
		For >6 Months (>26 Weeks), Deduct	*-6.75*	
01 22 23 00-0614	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.53	
		For Half Day Usage, Deduct	*-11.73*	
01 22 23 00-0615	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	93.82	
01 22 23 00-0616	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	281.46	
		For >6 Months (>26 Weeks), Deduct	*-11.26*	
01 22 23 00-0617	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.00	
		For Half Day Usage, Deduct	*-12.50*	
01 22 23 00-0618	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	100.01	
01 22 23 00-0619	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	300.02	
		For >6 Months (>26 Weeks), Deduct	*-12.00*	

01 22 23 00-0620 Electrical Equipment *(01 22 23)*

01 22 23 00-0621 Tripod Mounted Floodlights *(01 22 23 00-0620)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0622	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
		For Half Day Usage, Deduct	*-20.33*	
01 22 23 00-0623	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	153.90	
01 22 23 00-0624	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	325.25	
		For >6 Months (>26 Weeks), Deduct	*-13.01*	
01 22 23 00-0625	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
		For Half Day Usage, Deduct	*-20.33*	
01 22 23 00-0626	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	190.39	
01 22 23 00-0627	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	563.24	
		For >6 Months (>26 Weeks), Deduct	*-22.53*	
01 22 23 00-0628	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.98	
		For Half Day Usage, Deduct	*-22.81*	
01 22 23 00-0629	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	198.32	
01 22 23 00-0630	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	483.91	
		For >6 Months (>26 Weeks), Deduct	*-19.36*	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0631				**Trailer Mounted Floodlights** *(01 22 23 00-0620)*		
				Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
	01 22 23 00-0632		DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	182.46	
				For Half Day Usage, Deduct	*-57.02*	
	01 22 23 00-0633		WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	404.58	
	01 22 23 00-0634		MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	872.63	
				For >6 Months (>26 Weeks), Deduct	*-34.91*	
01 22 23 00-0635				**Generator Sets** *(01 22 23 00-0620)*		
01 22 23 00-0636				**Portable, Gas Powered Generator Sets** *(01 22 23 00-0635)*		
				Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0748 for reimbursable fuel fees.		
	01 22 23 00-0637		DAY	3.6 KW Gas Powered Generator Set	52.12	
				Note: Fuel consumption: 100% load – 0.54 gallons per hour		
				For LP Or NG Gas, Add	*6.52*	
				For Half Day Usage, Deduct	*-16.29*	
	01 22 23 00-0638		WK	3.6 KW Gas Powered Generator Set	187.86	
				Note: Fuel consumption: 100% load – 0.54 gallons per hour		
				For LP Or NG Gas, Add	*23.48*	
	01 22 23 00-0639		MO	3.6 KW Gas Powered Generator Set	521.16	
				Note: Fuel consumption: 100% load – 0.54 gallons per hour		
				For LP Or NG Gas, Add	*65.15*	
				For >6 Months (>26 Weeks), Deduct	*-20.85*	
	01 22 23 00-0640		DAY	5 KW Gas Powered Generator Set	73.93	
				Note: Fuel consumption: 100% load – 0.75 gallons per hour		
				For LP Or NG Gas, Add	*9.24*	
				For Half Day Usage, Deduct	*-23.10*	
	01 22 23 00-0641		WK	5 KW Gas Powered Generator Set	236.34	
				Note: Fuel consumption: 100% load – 0.75 gallons per hour		
				For LP Or NG Gas, Add	*29.54*	
	01 22 23 00-0642		MO	5 KW Gas Powered Generator Set	539.34	
				Note: Fuel consumption: 100% load – 0.75 gallons per hour		
				For LP Or NG Gas, Add	*67.42*	
				For >6 Months (>26 Weeks), Deduct	*-21.57*	
	01 22 23 00-0643		DAY	6.5 KW Gas Powered Generator Set	94.54	
				Note: Fuel consumption: 100% load – 0.975 gallons per hour		
				For LP Or NG Gas, Add	*11.82*	
				For Half Day Usage, Deduct	*-29.54*	
	01 22 23 00-0644		WK	6.5 KW Gas Powered Generator Set	254.52	
				Note: Fuel consumption: 100% load – 0.975 gallons per hour		
				For LP Or NG Gas, Add	*31.82*	
	01 22 23 00-0645		MO	6.5 KW Gas Powered Generator Set	702.96	
				Note: Fuel consumption: 100% load – 0.975 gallons per hour		
				For LP Or NG Gas, Add	*87.87*	
				For >6 Months (>26 Weeks), Deduct	*-28.12*	
	01 22 23 00-0646		DAY	10 KW Gas Powered Generator Set	105.44	
				Note: Fuel consumption: 100% load – 1.35 gallons per hour		
				For LP Or NG Gas, Add	*13.18*	
				For Half Day Usage, Deduct	*-32.95*	
	01 22 23 00-0647		WK	10 KW Gas Powered Generator Set	284.82	
				Note: Fuel consumption: 100% load – 1.35 gallons per hour		
				For LP Or NG Gas, Add	*35.60*	
	01 22 23 00-0648		MO	10 KW Gas Powered Generator Set	818.10	
				Note: Fuel consumption: 100% load – 1.35 gallons per hour		
				For LP Or NG Gas, Add	*102.26*	
				For >6 Months (>26 Weeks), Deduct	*-32.72*	
	01 22 23 00-0649		DAY	15 KW Gas Powered Generator Set	193.07	
				Note: Fuel consumption: 100% load – 1.70 gallons per hour		
				For LP Or NG Gas, Add	*24.13*	
				For Half Day Usage, Deduct	*-60.33*	
	01 22 23 00-0650		WK	15 KW Gas Powered Generator Set	548.48	
				Note: Fuel consumption: 100% load – 1.6 gallons per hour		
				For LP Or NG Gas, Add	*68.56*	
	01 22 23 00-0651		MO	15 KW Gas Powered Generator Set	1,184.73	
				Note: Fuel consumption: 100% load – 1.6 gallons per hour		
				For LP Or NG Gas, Add	*148.09*	
				For >6 Months (>26 Weeks), Deduct	*-47.39*	
01 22 23 00-0652				**Towable, Diesel Powered Generator Sets** *(01 22 23 00-0635)*		
				Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1,000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0748 for reimbursable fuel fees.		
	01 22 23 00-0653		DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set	216.95	
				Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
				For >8 To 16 Hours Usage Per Day, Add	*86.78*	
				For >16 To 24 Hours Usage Per Day, Add	*173.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0654	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	567.22	
		For >40 To 80 Hours Usage Per Week, Add	*226.89*	
		For >80 Hours Usage Per Week, Add	*453.78*	
01 22 23 00-0655	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,545.30	
		For >160 To 320 Hours Usage Per Month, Add	*618.12*	
		For >320 Hours Usage Per Month, Add	*1,236.24*	
		For >6 Months (>26 Weeks), Deduct	*-61.81*	
01 22 23 00-0656	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	387.31	
		For >8 To 16 Hours Usage Per Day, Add	*154.92*	
		For >16 To 24 Hours Usage Per Day, Add	*309.85*	
01 22 23 00-0657	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,149.45	
		For >40 To 80 Hours Usage Per Week, Add	*459.78*	
		For >80 Hours Usage Per Week, Add	*919.56*	
01 22 23 00-0658	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,373.86	
		For >160 To 320 Hours Usage Per Month, Add	*949.54*	
		For >320 Hours Usage Per Month, Add	*1,899.09*	
		For >6 Months (>26 Weeks), Deduct	*-94.95*	
01 22 23 00-0659	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	424.80	
		For >8 To 16 Hours Usage Per Day, Add	*169.92*	
		For >16 To 24 Hours Usage Per Day, Add	*339.84*	
01 22 23 00-0660	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,186.93	
		For >40 To 80 Hours Usage Per Week, Add	*474.77*	
		For >80 Hours Usage Per Week, Add	*949.54*	
01 22 23 00-0661	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,623.74	
		For >160 To 320 Hours Usage Per Month, Add	*1,049.50*	
		For >320 Hours Usage Per Month, Add	*2,098.99*	
		For >6 Months (>26 Weeks), Deduct	*-104.95*	
01 22 23 00-0662	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	456.03	
		For >8 To 16 Hours Usage Per Day, Add	*182.41*	
		For >16 To 24 Hours Usage Per Day, Add	*364.82*	
01 22 23 00-0663	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,249.40	
		For >40 To 80 Hours Usage Per Week, Add	*499.76*	
		For >80 Hours Usage Per Week, Add	*999.52*	
01 22 23 00-0664	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,998.56	
		For >160 To 320 Hours Usage Per Month, Add	*1,199.42*	
		For >320 Hours Usage Per Month, Add	*2,398.85*	
		For >6 Months (>26 Weeks), Deduct	*-119.94*	
01 22 23 00-0665	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	499.76	
		For >8 To 16 Hours Usage Per Day, Add	*199.90*	
		For >16 To 24 Hours Usage Per Day, Add	*399.81*	
01 22 23 00-0666	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,418.07	
		For >40 To 80 Hours Usage Per Week, Add	*567.23*	
		For >80 Hours Usage Per Week, Add	*1,134.46*	
01 22 23 00-0667	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,373.38	
		For >160 To 320 Hours Usage Per Month, Add	*1,349.35*	
		For >320 Hours Usage Per Month, Add	*2,698.70*	
		For >6 Months (>26 Weeks), Deduct	*-134.94*	
01 22 23 00-0668	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	562.23	
		For >8 To 16 Hours Usage Per Day, Add	*224.89*	
		For >16 To 24 Hours Usage Per Day, Add	*449.78*	
01 22 23 00-0669	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,499.28	
		For >40 To 80 Hours Usage Per Week, Add	*599.71*	
		For >80 Hours Usage Per Week, Add	*1,199.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0670	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,748.20	
		For >160 To 320 Hours Usage Per Month, Add	*1,499.28*	
		For >320 Hours Usage Per Month, Add	*2,998.56*	
		For >6 Months (>26 Weeks), Deduct	*-149.93*	
01 22 23 00-0671	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	580.97	
		For >8 To 16 Hours Usage Per Day, Add	*232.39*	
		For >16 To 24 Hours Usage Per Day, Add	*464.78*	
01 22 23 00-0672	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,561.75	
		For >40 To 80 Hours Usage Per Week, Add	*624.70*	
		For >80 Hours Usage Per Week, Add	*1,249.40*	
01 22 23 00-0673	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,247.96	
		For >160 To 320 Hours Usage Per Month, Add	*1,699.18*	
		For >320 Hours Usage Per Month, Add	*3,398.37*	
		For >6 Months (>26 Weeks), Deduct	*-169.92*	
01 22 23 00-0674	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	655.94	
		For >8 To 16 Hours Usage Per Day, Add	*262.38*	
		For >16 To 24 Hours Usage Per Day, Add	*524.75*	
01 22 23 00-0675	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,811.63	
		For >40 To 80 Hours Usage Per Week, Add	*724.65*	
		For >80 Hours Usage Per Week, Add	*1,449.30*	
01 22 23 00-0676	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,872.66	
		For >160 To 320 Hours Usage Per Month, Add	*1,949.06*	
		For >320 Hours Usage Per Month, Add	*3,898.13*	
		For >6 Months (>26 Weeks), Deduct	*-194.91*	
01 22 23 00-0677	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	687.17	
		For >8 To 16 Hours Usage Per Day, Add	*274.87*	
		For >16 To 24 Hours Usage Per Day, Add	*549.74*	
01 22 23 00-0678	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,905.34	
		For >40 To 80 Hours Usage Per Week, Add	*762.14*	
		For >80 Hours Usage Per Week, Add	*1,524.27*	
01 22 23 00-0679	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,372.42	
		For >160 To 320 Hours Usage Per Month, Add	*2,148.97*	
		For >320 Hours Usage Per Month, Add	*4,297.94*	
		For >6 Months (>26 Weeks), Deduct	*-214.90*	
01 22 23 00-0680	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	718.40	
		For >8 To 16 Hours Usage Per Day, Add	*287.36*	
		For >16 To 24 Hours Usage Per Day, Add	*574.72*	
01 22 23 00-0681	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	2,061.51	
		For >40 To 80 Hours Usage Per Week, Add	*824.60*	
		For >80 Hours Usage Per Week, Add	*1,649.21*	
01 22 23 00-0682	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,622.30	
		For >160 To 320 Hours Usage Per Month, Add	*2,248.92*	
		For >320 Hours Usage Per Month, Add	*4,497.84*	
		For >6 Months (>26 Weeks), Deduct	*-224.89*	
01 22 23 00-0683	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	749.64	
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
01 22 23 00-0684	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,186.45	
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
01 22 23 00-0685	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,872.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0686	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	749.64	
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
01 22 23 00-0687	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,186.45	
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
01 22 23 00-0688	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,872.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	
01 22 23 00-0689	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	1,030.76	
		For >8 To 16 Hours Usage Per Day, Add	*412.30*	
		For >16 To 24 Hours Usage Per Day, Add	*824.61*	
01 22 23 00-0690	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,561.27	
		For >40 To 80 Hours Usage Per Week, Add	*1,024.51*	
		For >80 Hours Usage Per Week, Add	*2,049.02*	
01 22 23 00-0691	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,496.40	
		For >160 To 320 Hours Usage Per Month, Add	*2,998.56*	
		For >320 Hours Usage Per Month, Add	*5,997.12*	
		For >6 Months (>26 Weeks), Deduct	*-299.86*	
01 22 23 00-0692	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,093.22	
		For >8 To 16 Hours Usage Per Day, Add	*437.29*	
		For >16 To 24 Hours Usage Per Day, Add	*874.58*	
01 22 23 00-0693	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,623.74	
		For >40 To 80 Hours Usage Per Week, Add	*1,049.50*	
		For >80 Hours Usage Per Week, Add	*2,098.99*	
01 22 23 00-0694	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,746.28	
		For >160 To 320 Hours Usage Per Month, Add	*3,098.51*	
		For >320 Hours Usage Per Month, Add	*6,197.02*	
		For >6 Months (>26 Weeks), Deduct	*-309.85*	
01 22 23 00-0695	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,155.70	
		For >8 To 16 Hours Usage Per Day, Add	*462.28*	
		For >16 To 24 Hours Usage Per Day, Add	*924.56*	
01 22 23 00-0696	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,686.21	
		For >40 To 80 Hours Usage Per Week, Add	*1,074.48*	
		For >80 Hours Usage Per Week, Add	*2,148.97*	
01 22 23 00-0697	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	7,996.16	
		For >160 To 320 Hours Usage Per Month, Add	*3,198.46*	
		For >320 Hours Usage Per Month, Add	*6,396.93*	
		For >6 Months (>26 Weeks), Deduct	*-319.85*	
01 22 23 00-0698	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,193.18	
		For >8 To 16 Hours Usage Per Day, Add	*477.27*	
		For >16 To 24 Hours Usage Per Day, Add	*954.54*	
01 22 23 00-0699	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,873.62	
		For >40 To 80 Hours Usage Per Week, Add	*1,149.45*	
		For >80 Hours Usage Per Week, Add	*2,298.90*	
01 22 23 00-0700	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,495.92	
		For >160 To 320 Hours Usage Per Month, Add	*3,398.37*	
		For >320 Hours Usage Per Month, Add	*6,796.74*	
		For >6 Months (>26 Weeks), Deduct	*-339.84*	
01 22 23 00-0701	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,249.40	
		For >8 To 16 Hours Usage Per Day, Add	*499.76*	
		For >16 To 24 Hours Usage Per Day, Add	*999.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0702	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,248.44	
		For >40 To 80 Hours Usage Per Week, Add	*1,299.38*	
		For >80 Hours Usage Per Week, Add	*2,598.75*	
01 22 23 00-0703	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	9,370.50	
		For >160 To 320 Hours Usage Per Month, Add	*3,748.20*	
		For >320 Hours Usage Per Month, Add	*7,496.40*	
		For >6 Months (>26 Weeks), Deduct	*-374.82*	
01 22 23 00-0704	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,108.92	
		For >8 To 16 Hours Usage Per Day, Add	*843.57*	
		For >16 To 24 Hours Usage Per Day, Add	*1,687.14*	
01 22 23 00-0705	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,452.56	
		For >40 To 80 Hours Usage Per Week, Add	*2,181.02*	
		For >80 Hours Usage Per Week, Add	*4,362.05*	
01 22 23 00-0706	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,420.00	
		For >160 To 320 Hours Usage Per Month, Add	*5,768.00*	
		For >320 Hours Usage Per Month, Add	*11,536.00*	
		For >6 Months (>26 Weeks), Deduct	*-576.80*	
01 22 23 00-0707	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,703.75	
		For >8 To 16 Hours Usage Per Day, Add	*1,081.50*	
		For >16 To 24 Hours Usage Per Day, Add	*2,163.00*	
01 22 23 00-0708	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	7,029.75	
		For >40 To 80 Hours Usage Per Week, Add	*2,811.90*	
		For >80 Hours Usage Per Week, Add	*5,623.80*	
01 22 23 00-0709	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	16,222.50	
		For >160 To 320 Hours Usage Per Month, Add	*6,489.00*	
		For >320 Hours Usage Per Month, Add	*12,978.00*	
		For >6 Months (>26 Weeks), Deduct	*-648.90*	
01 22 23 00-0710	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	3,343.64	
		For >8 To 16 Hours Usage Per Day, Add	*1,337.46*	
		For >16 To 24 Hours Usage Per Day, Add	*2,674.91*	
01 22 23 00-0711	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	8,832.25	
		For >40 To 80 Hours Usage Per Week, Add	*3,532.90*	
		For >80 Hours Usage Per Week, Add	*7,065.80*	
01 22 23 00-0712	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	21,630.00	
		For >160 To 320 Hours Usage Per Month, Add	*8,652.00*	
		For >320 Hours Usage Per Month, Add	*17,304.00*	
		For >6 Months (>26 Weeks), Deduct	*-865.20*	
01 22 23 00-0713	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	3,614.01	
		For >8 To 16 Hours Usage Per Day, Add	*1,445.60*	
		For >16 To 24 Hours Usage Per Day, Add	*2,891.21*	
01 22 23 00-0714	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	8,327.55	
		For >40 To 80 Hours Usage Per Week, Add	*3,331.02*	
		For >80 Hours Usage Per Week, Add	*6,662.04*	
01 22 23 00-0715	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	24,982.65	
		For >160 To 320 Hours Usage Per Month, Add	*9,993.06*	
		For >320 Hours Usage Per Month, Add	*19,986.12*	
		For >6 Months (>26 Weeks), Deduct	*-999.31*	
01 22 23 00-0716	EA	Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set. Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	940.97	
01 22 23 00-0717	EA	Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,274.01	
01 22 23 00-0718	EA	Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,657.04	
01 22 23 00-0719	EA	Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,094.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0720		**Cabling For Generator Sets** *(01 22 23 00-0635)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0721	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	27.49	
		For Half Day Usage, Deduct	*-8.59*	
01 22 23 00-0722	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	48.10	
01 22 23 00-0723	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	144.31	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0724	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.74	
		For Half Day Usage, Deduct	*-4.29*	
01 22 23 00-0725	WK	50', 4/0 Cable With Camlock Ends For Generator Set	39.98	
01 22 23 00-0726	MO	50', 4/0 Cable With Camlock Ends For Generator Set	111.20	
		For >6 Months (>26 Weeks), Deduct	*-4.45*	
01 22 23 00-0727		**Resistive Loadbanks For Generator Sets** *(01 22 23 00-0635)* Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0748 for reimbursable fuel fees.		
01 22 23 00-0728	DAY	100 KW A/C Resistive Loadbank	371.52	
01 22 23 00-0729	WK	100 KW A/C Resistive Loadbank	706.62	
01 22 23 00-0730	MO	100 KW A/C Resistive Loadbank	1,930.46	
		For >6 Months (>26 Weeks), Deduct	*-77.22*	
01 22 23 00-0731	DAY	650 KW A/C Resistive Loadbank	691.12	
01 22 23 00-0732	WK	650 KW A/C Resistive Loadbank	1,848.23	
01 22 23 00-0733	MO	650 KW A/C Resistive Loadbank	4,712.20	
		For >6 Months (>26 Weeks), Deduct	*-188.49*	
01 22 23 00-0734		**Sub-Distribution Panels (Spider Box) For Generator Sets** *(01 22 23 00-0635)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0735	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	67.47	
		For Half Day Usage, Deduct	*-21.08*	
01 22 23 00-0736	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	174.92	
01 22 23 00-0737	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	493.51	
		For >6 Months (>26 Weeks), Deduct	*-19.74*	
01 22 23 00-0738		**Portable Distribution Panels For Generator Sets** *(01 22 23 00-0635)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0739	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	149.93	
		For Half Day Usage, Deduct	*-46.85*	
01 22 23 00-0740	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	406.06	
01 22 23 00-0741	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,136.95	
		For >6 Months (>26 Weeks), Deduct	*-45.48*	
01 22 23 00-0742	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	122.44	
		For Half Day Usage, Deduct	*-38.26*	
01 22 23 00-0743	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	318.60	
01 22 23 00-0744	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	905.82	
		For >6 Months (>26 Weeks), Deduct	*-36.23*	
01 22 23 00-0745	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	156.18	
		For Half Day Usage, Deduct	*-48.81*	
01 22 23 00-0746	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	393.56	
01 22 23 00-0747	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,068.24	
		For >6 Months (>26 Weeks), Deduct	*-42.73*	
01 22 23 00-0748		**Fuel Reimbursement For Generators** *(01 22 23 00-0635)*		
01 22 23 00-0749	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0750		**General Equipment** *(01 22 23)*		
01 22 23 00-0751		**Jacks And Bracing** *(01 22 23 00-0750)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0752		**Manual Hydraulic Jacks** *(01 22 23 00-0751)*		
01 22 23 00-0753	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0754	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0755	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		For >6 Months (>26 Weeks), Deduct	*-1.14*	
01 22 23 00-0756	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0757	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0758	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		For >6 Months (>26 Weeks), Deduct	*-1.39*	
01 22 23 00-0759	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0760	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0761	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		For >6 Months (>26 Weeks), Deduct	*-5.83*	
01 22 23 00-0762	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0763	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0764	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		For >6 Months (>26 Weeks), Deduct	*-8.42*	

01 22 23 00-0765 Manual Screw Jacks *(01 22 23 00-0751)*

01 22 23 00-0766	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0767	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0768	MO	10 To 20 Ton Manual Screw Jack	152.12	
		For >6 Months (>26 Weeks), Deduct	*-6.08*	

01 22 23 00-0769 Shores/Braces *(01 22 23 00-0751)*

01 22 23 00-0770	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0771	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0772	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0773	MO	Up To 10' Height, Adjustable Wood Shoring	6.21	
01 22 23 00-0774	MO	>10' To 16' Height, Adjustable Wood Shoring	8.28	
01 22 23 00-0775	EA	Erect And Strip Shores To 10'	11.66	
		For >20 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-4.08*	
		For >100, Deduct	*-6.41*	
01 22 23 00-0776	EA	Erect And Strip Shores To 13'	13.99	
		For >20 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-4.90*	
		For >100, Deduct	*-7.69*	
01 22 23 00-0777	EA	Erect And Strip Shores To 16'	16.31	
		For >20 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-5.71*	
		For >100, Deduct	*-8.97*	

01 22 23 00-0778 Pressure Washers *(01 22 23 00-0750)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0779	DAY	2,000 PSI Pressure Washer With Full-Time Operator	855.26	
		For Equipment Without Operator, Deduct	*-741.13*	
		For Half Day Usage, Deduct	*-406.23*	
01 22 23 00-0780	WK	2,000 PSI Pressure Washer With Full-Time Operator	3,995.38	
		For Equipment Without Operator, Deduct	*-3,705.66*	
01 22 23 00-0781	MO	2,000 PSI Pressure Washer With Full-Time Operator	16,795.32	
		For Equipment Without Operator, Deduct	*-16,057.84*	
		For >6 Months (>26 Weeks), Deduct	*-29.50*	
01 22 23 00-0782	DAY	2,500 PSI Pressure Washer With Full-Time Operator	855.26	
		For Equipment Without Operator, Deduct	*-741.13*	
		For Half Day Usage, Deduct	*-406.23*	
01 22 23 00-0783	WK	2,500 PSI Pressure Washer With Full-Time Operator	3,995.38	
		For Equipment Without Operator, Deduct	*-3,705.66*	
01 22 23 00-0784	MO	2,500 PSI Pressure Washer With Full-Time Operator	16,795.32	
		For Equipment Without Operator, Deduct	*-16,057.84*	
		For >6 Months (>26 Weeks), Deduct	*-29.50*	
01 22 23 00-0785	DAY	3,000 PSI Pressure Washer With Full-Time Operator	855.26	
		For Equipment Without Operator, Deduct	*-741.13*	
		For Half Day Usage, Deduct	*-406.23*	
01 22 23 00-0786	WK	3,000 PSI Pressure Washer With Full-Time Operator	3,995.38	
		For Equipment Without Operator, Deduct	*-3,705.66*	
01 22 23 00-0787	MO	3,000 PSI Pressure Washer With Full-Time Operator	16,795.32	
		For Equipment Without Operator, Deduct	*-16,057.84*	
		For >6 Months (>26 Weeks), Deduct	*-29.50*	
01 22 23 00-0788	DAY	3,500 PSI Pressure Washer With Full-Time Operator	864.04	
		For Equipment Without Operator, Deduct	*-741.13*	
		For Half Day Usage, Deduct	*-408.97*	
01 22 23 00-0789	WK	3,500 PSI Pressure Washer With Full-Time Operator	4,021.72	
		For Equipment Without Operator, Deduct	*-3,705.66*	
01 22 23 00-0790	MO	3,500 PSI Pressure Washer With Full-Time Operator	16,865.55	
		For Equipment Without Operator, Deduct	*-16,057.84*	
		For >6 Months (>26 Weeks), Deduct	*-32.31*	
01 22 23 00-0791	DAY	4,000 PSI Pressure Washer With Full-Time Operator	899.16	
		For Equipment Without Operator, Deduct	*-741.13*	
		For Half Day Usage, Deduct	*-419.95*	
01 22 23 00-0792	WK	4,000 PSI Pressure Washer With Full-Time Operator	4,135.86	
		For Equipment Without Operator, Deduct	*-3,705.66*	
01 22 23 00-0793	MO	4,000 PSI Pressure Washer With Full-Time Operator	17,260.63	
		For Equipment Without Operator, Deduct	*-16,057.84*	
		For >6 Months (>26 Weeks), Deduct	*-48.11*	
01 22 23 00-0794	DAY	5,000 PSI Pressure Washer With Full-Time Operator	916.72	
		For Equipment Without Operator, Deduct	*-741.13*	
		For Half Day Usage, Deduct	*-425.44*	
01 22 23 00-0795	WK	5,000 PSI Pressure Washer With Full-Time Operator	4,179.75	
		For Equipment Without Operator, Deduct	*-3,705.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0796	MO	5,000 PSI Pressure Washer With Full-Time Operator	17,392.32	
		For Equipment Without Operator, Deduct	*-16,057.84*	
		For >6 Months (>26 Weeks), Deduct	*-53.38*	

01 22 23 00-0797 Confined Space Entry Equipment *(01 22 23 00-0750)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

01 22 23 00-0798	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	43.28	
		For Half Day Usage, Deduct	*-13.53*	
01 22 23 00-0799	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	129.84	
01 22 23 00-0800	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	387.47	
		For >6 Months (>26 Weeks), Deduct	*-15.50*	
01 22 23 00-0801	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	66.13	
		For Half Day Usage, Deduct	*-20.67*	
01 22 23 00-0802	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	198.38	
01 22 23 00-0803	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	595.14	
		For >6 Months (>26 Weeks), Deduct	*-23.81*	
01 22 23 00-0804	DAY	Confined Space Air Monitor Personnel Note: Per person day.	741.13	
		For Half Day Usage, Deduct	*-370.57*	

01 22 23 00-0805 Direct Fired Space Heaters *(01 22 23 00-0750)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0806	DAY	150,000 BTU/Hour Space Heater	68.00	
		For Half Day Usage, Deduct	*-21.25*	
01 22 23 00-0807	WK	150,000 BTU/Hour Space Heater	195.50	
01 22 23 00-0808	MO	150,000 BTU/Hour Space Heater	552.50	
		For >6 Months (>26 Weeks), Deduct	*-22.10*	
01 22 23 00-0809	DAY	500,000 BTU/Hour Space Heater	144.50	
		For Half Day Usage, Deduct	*-45.16*	
01 22 23 00-0810	WK	500,000 BTU/Hour Space Heater	357.00	
01 22 23 00-0811	MO	500,000 BTU/Hour Space Heater	902.70	
		For >6 Months (>26 Weeks), Deduct	*-36.11*	

01 22 23 00-0812 Mowers *(01 22 23 00-0750)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0813	DAY	21" Walk Behind Lawn Mower	96.73	
		For Half Day Usage, Deduct	*-30.23*	
01 22 23 00-0814	WK	21" Walk Behind Lawn Mower	278.10	
01 22 23 00-0815	MO	21" Walk Behind Lawn Mower	568.30	
		For >6 Months (>26 Weeks), Deduct	*-22.73*	
01 22 23 00-0816	DAY	32" Walk Behind Lawn Mower	120.92	
		For Half Day Usage, Deduct	*-37.79*	
01 22 23 00-0817	WK	32" Walk Behind Lawn Mower	290.20	
01 22 23 00-0818	MO	32" Walk Behind Lawn Mower	604.58	
		For >6 Months (>26 Weeks), Deduct	*-24.18*	
01 22 23 00-0819	DAY	36" To 48" Walk Behind Deck Mower	217.65	
		For Half Day Usage, Deduct	*-68.02*	
01 22 23 00-0820	WK	36" To 48" Walk Behind Deck Mower	604.58	
01 22 23 00-0821	MO	36" To 48" Walk Behind Deck Mower	1,753.27	
		For >6 Months (>26 Weeks), Deduct	*-70.13*	
01 22 23 00-0822	DAY	61" To 72" Walk Behind Deck Mower	217.65	
		For Half Day Usage, Deduct	*-68.02*	
01 22 23 00-0823	WK	61" To 72" Walk Behind Deck Mower	604.58	
01 22 23 00-0824	MO	61" To 72" Walk Behind Deck Mower	1,753.27	
		For >6 Months (>26 Weeks), Deduct	*-70.13*	

01 22 23 00-0825 Trailer Mounted Brush Chipper *(01 22 23 00-0750)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0826	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	187.47	
		For Half Day Usage, Deduct	*-58.58*	
01 22 23 00-0827	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	448.30	
01 22 23 00-0828	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,377.52	
		For >6 Months (>26 Weeks), Deduct	*-55.10*	
01 22 23 00-0829	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	244.53	
		For Half Day Usage, Deduct	*-76.42*	
01 22 23 00-0830	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	551.01	
01 22 23 00-0831	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,467.18	
		For >6 Months (>26 Weeks), Deduct	*-58.69*	
01 22 23 00-0832	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	456.46	
		For Half Day Usage, Deduct	*-142.64*	
01 22 23 00-0833	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,027.03	
01 22 23 00-0834	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	2,738.74	
		For >6 Months (>26 Weeks), Deduct	*-109.55*	
01 22 23 00-0835	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	514.51	
		For Half Day Usage, Deduct	*-160.78*	
01 22 23 00-0836	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,157.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0837	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	3,087.07	
		For >6 Months (>26 Weeks), Deduct	*-123.48*	

01 22 23 00-0838 Material Handling Equipment *(01 22 23)*

01 22 23 00-0839 Truck Mounted Hydraulic Cranes *(01 22 23 00-0838)*

Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-0840	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,520.61	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-668.75*	
01 22 23 00-0841	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,640.86	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0842	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	26,819.19	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-178.08*	
01 22 23 00-0843	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,649.86	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-709.15*	
01 22 23 00-0844	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,025.02	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0845	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,968.07	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-224.03*	
01 22 23 00-0846	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,779.11	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-749.54*	
01 22 23 00-0847	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,409.18	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0848	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,116.95	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-269.99*	
01 22 23 00-0849	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,951.44	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-803.39*	
01 22 23 00-0850	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,926.17	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0851	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,660.76	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-331.74*	
01 22 23 00-0852	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,109.42	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-852.76*	
01 22 23 00-0853	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,996.07	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0854	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,867.57	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-460.01*	
01 22 23 00-0855	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,482.80	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-969.44*	
01 22 23 00-0856	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,331.64	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0857	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,877.16	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-620.40*	
01 22 23 00-0858	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,719.76	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,043.49*	
01 22 23 00-0859	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,164.58	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0860	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	40,381.72	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-720.58*	
01 22 23 00-0861	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,906.45	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,101.83*	
01 22 23 00-0862	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,839.54	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0863	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,403.75	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-801.46*	
01 22 23 00-0864	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,093.14	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,160.17*	
01 22 23 00-0865	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,514.51	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0866	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	44,425.78	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-882.34*	
01 22 23 00-0867	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,215.21	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,198.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0868	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,930.98	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0869	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,689.54	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-932.89*	
01 22 23 00-0870	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,380.36	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,249.93*	
01 22 23 00-0871	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,548.50	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0872	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	47,527.75	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,006.42*	
01 22 23 00-0873	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,911.72	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,415.98*	
01 22 23 00-0874	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,239.51	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0875	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	52,600.78	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,209.34*	
01 22 23 00-0876	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,277.93	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,530.42*	
01 22 23 00-0877	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,521.23	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0878	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	56,445.93	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,363.15*	
01 22 23 00-0879	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,938.53	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,736.85*	
01 22 23 00-0880	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,833.35	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0881	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	63,382.30	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,640.60*	
01 22 23 00-0882	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,398.08	
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,880.46*	
01 22 23 00-0883	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,441.78	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0884	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	68,207.59	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,833.61*	

01 22 23 00-0885 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-0838)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-0886	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,755.66	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0887	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,308.19	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0888	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	40,806.80	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-737.58*	
01 22 23 00-0889	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,084.05	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0890	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,519.78	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0891	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	47,441.59	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,002.97*	
01 22 23 00-0892	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,299.47	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0893	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,092.31	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0894	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	52,157.74	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,191.62*	
01 22 23 00-0895	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,730.30	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0896	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,664.84	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0897	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	56,868.15	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,380.03*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0898	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,934.94	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0899	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,237.37	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0900	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	61,590.04	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,568.91*	
01 22 23 00-0901	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,139.59	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0902	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,809.90	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0903	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	66,311.94	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-1,757.79*	
01 22 23 00-0904	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,814.55	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0905	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,229.73	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0906	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	73,561.37	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-2,047.76*	
01 22 23 00-0907	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,964.88	
		For Equipment Without Operator, Deduct	*-1,032.34*	
01 22 23 00-0908	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,021.56	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0909	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	117,954.10	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-3,823.47*	

01 22 23 00-0910 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0838)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0911	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,621.76	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-687.63*	
01 22 23 00-0912	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,430.90	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0913	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,355.75	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-138.38*	
01 22 23 00-0914	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,690.96	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-709.26*	
01 22 23 00-0915	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,586.59	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0916	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,701.71	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-152.22*	
01 22 23 00-0917	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,673.66	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-703.85*	
01 22 23 00-0918	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,664.43	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0919	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,220.65	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-172.98*	
01 22 23 00-0920	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,872.58	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Half Day Usage, Deduct	*-766.01*	
01 22 23 00-0921	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,183.37	
		For Equipment Without Operator, Deduct	*-4,822.19*	
01 22 23 00-0922	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	26,431.51	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For >6 Months (>26 Weeks), Deduct	*-221.41*	

01 22 23 00-0923 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0838)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0924	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,391.70	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*85.45*	
		For Half Day Usage, Deduct	*-615.74*	
01 22 23 00-0925	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,988.94	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*233.35*	
01 22 23 00-0926	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,566.53	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*534.08*	
		For >6 Months (>26 Weeks), Deduct	*-106.82*	
01 22 23 00-0927	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,414.19	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*89.95*	
		For Half Day Usage, Deduct	*-622.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0928	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,050.35	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*245.63*	
01 22 23 00-0929	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,707.07	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*562.18*	
		For >6 Months (>26 Weeks), Deduct	*-112.44*	
01 22 23 00-0930	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,535.27	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*114.17*	
		For Half Day Usage, Deduct	*-660.60*	
01 22 23 00-0931	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,387.66	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*313.09*	
01 22 23 00-0932	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,485.49	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*717.87*	
		For >6 Months (>26 Weeks), Deduct	*-143.57*	
01 22 23 00-0933	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,601.96	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*127.50*	
		For Half Day Usage, Deduct	*-681.45*	
01 22 23 00-0934	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,358.77	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*307.32*	
01 22 23 00-0935	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,721.26	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*765.02*	
		For >6 Months (>26 Weeks), Deduct	*-153.00*	

01 22 23 00-0936 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0838)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0937	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,327.70	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*72.65*	
		For Half Day Usage, Deduct	*-595.74*	
01 22 23 00-0938	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,652.49	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*166.06*	
01 22 23 00-0939	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,885.42	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*397.85*	
		For >6 Months (>26 Weeks), Deduct	*-79.57*	
01 22 23 00-0940	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,336.35	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*74.38*	
		For Half Day Usage, Deduct	*-598.44*	
01 22 23 00-0941	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,678.44	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*171.25*	
01 22 23 00-0942	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,945.96	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*409.96*	
		For >6 Months (>26 Weeks), Deduct	*-81.99*	
01 22 23 00-0943	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,517.98	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*110.71*	
		For Half Day Usage, Deduct	*-655.20*	
01 22 23 00-0944	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,076.29	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*250.82*	
01 22 23 00-0945	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,923.30	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*605.43*	
		For >6 Months (>26 Weeks), Deduct	*-121.09*	
01 22 23 00-0946	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,535.27	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*114.17*	
		For Half Day Usage, Deduct	*-660.60*	
01 22 23 00-0947	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,223.33	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*280.23*	
01 22 23 00-0948	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,442.24	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*709.22*	
		For >6 Months (>26 Weeks), Deduct	*-141.84*	
01 22 23 00-0949	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,690.96	
		For Equipment Without Operator, Deduct	*-964.44*	
		For Propane Instead Of Gas Or Diesel, Add	*145.30*	
		For Half Day Usage, Deduct	*-709.26*	
01 22 23 00-0950	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,474.15	
		For Equipment Without Operator, Deduct	*-4,822.19*	
		For Propane Instead Of Gas Or Diesel, Add	*330.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0951	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,874.69	
		For Equipment Without Operator, Deduct	*-20,896.15*	
		For Propane Instead Of Gas Or Diesel, Add	*795.71*	
		For >6 Months (>26 Weeks), Deduct	*-159.14*	

01 22 23 00-0952 Chain Hoists *(01 22 23 00-0838)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0953	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-0954	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-0955	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks), Deduct	*-3.86*	
01 22 23 00-0956	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-0957	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-0958	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks), Deduct	*-9.26*	
01 22 23 00-0959	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-0960	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-0961	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks), Deduct	*-13.52*	
01 22 23 00-0962	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-0963	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-0964	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks), Deduct	*-25.04*	
01 22 23 00-0965	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-0966	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-0967	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks), Deduct	*-26.29*	
01 22 23 00-0968	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-0969	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-0970	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks), Deduct	*-28.80*	

01 22 23 00-0971 Roof Swing Hoist *(01 22 23 00-0838)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0972	DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38	
		For Half Day Usage, Deduct	*-32.31*	
01 22 23 00-0973	WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81	
01 22 23 00-0974	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50	
		For >6 Months (>26 Weeks), Deduct	*-49.62*	

01 22 23 00-0975 Truck Mounted Digger Derrick *(01 22 23 00-0838)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-0976	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,712.16	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-728.61*	
01 22 23 00-0977	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,201.14	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0978	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	27,805.84	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-217.54*	
01 22 23 00-0979	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,851.89	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-772.28*	
01 22 23 00-0980	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,620.33	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0981	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,923.69	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-262.26*	
01 22 23 00-0982	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,715.35	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,032.34*	
		For Half Day Usage, Deduct	*-1,042.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0983	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator. Note: Includes lifting boom, grapple arm and auger drill.	10,210.71	
		For Equipment Without Operator, Deduct	*-5,161.68*	
01 22 23 00-0984	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator. Note: Includes lifting boom, grapple arm and auger drill.	35,831.36	
		For Equipment Without Operator, Deduct	*-22,367.28*	
		For >6 Months (>26 Weeks), Deduct	*-538.56*	

01 22 23 00-0985 Pumping Equipment *(01 22 23)*

01 22 23 00-0986 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1010 for larger diameter pumps.

01 22 23 00-0987	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	84.86	
		For >8 To 16 Hours Usage Per Day, Add	*33.94*	
		For >16 To 24 Hours Usage Per Day, Add	*67.89*	
01 22 23 00-0988	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	190.94	
		For >40 To 80 Hours Usage Per Week, Add	*76.38*	
		For >80 Hours Usage Per Week, Add	*152.75*	
01 22 23 00-0989	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	509.16	
		For >160 To 320 Hours Usage Per Month, Add	*203.66*	
		For >320 Hours Usage Per Month, Add	*407.33*	
		For >6 Months (>26 Weeks), Deduct	*-20.37*	
01 22 23 00-0990	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	101.83	
		For >8 To 16 Hours Usage Per Day, Add	*40.73*	
		For >16 To 24 Hours Usage Per Day, Add	*81.46*	
01 22 23 00-0991	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	229.12	
		For >40 To 80 Hours Usage Per Week, Add	*91.65*	
		For >80 Hours Usage Per Week, Add	*183.30*	
01 22 23 00-0992	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	610.99	
		For >160 To 320 Hours Usage Per Month, Add	*244.40*	
		For >320 Hours Usage Per Month, Add	*488.79*	
		For >6 Months (>26 Weeks), Deduct	*-24.44*	

01 22 23 00-0993 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0994	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	97.59	
		For >8 To 16 Hours Usage Per Day, Add	*39.04*	
		For >16 To 24 Hours Usage Per Day, Add	*78.07*	
01 22 23 00-0995	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	275.80	
		For >40 To 80 Hours Usage Per Week, Add	*110.32*	
		For >80 Hours Usage Per Week, Add	*220.64*	
01 22 23 00-0996	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	700.10	
		For >160 To 320 Hours Usage Per Month, Add	*280.04*	
		For >320 Hours Usage Per Month, Add	*560.08*	
		For >6 Months (>26 Weeks), Deduct	*-28.00*	
01 22 23 00-0997	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	118.80	
		For >8 To 16 Hours Usage Per Day, Add	*47.52*	
		For >16 To 24 Hours Usage Per Day, Add	*95.04*	
01 22 23 00-0998	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	318.22	
		For >40 To 80 Hours Usage Per Week, Add	*127.29*	
		For >80 Hours Usage Per Week, Add	*254.58*	
01 22 23 00-0999	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	901.64	
		For >160 To 320 Hours Usage Per Month, Add	*360.66*	
		For >320 Hours Usage Per Month, Add	*721.31*	
		For >6 Months (>26 Weeks), Deduct	*-36.07*	

01 22 23 00-1000 Gas Powered Portable Trash Pumps *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1001	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	123.05	
		For >8 To 16 Hours Usage Per Day, Add	*49.22*	
		For >16 To 24 Hours Usage Per Day, Add	*98.44*	
01 22 23 00-1002	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	254.58	
		For >40 To 80 Hours Usage Per Week, Add	*101.83*	
		For >80 Hours Usage Per Week, Add	*203.66*	
01 22 23 00-1003	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	763.74	
		For >160 To 320 Hours Usage Per Month, Add	*305.50*	
		For >320 Hours Usage Per Month, Add	*610.99*	
		For >6 Months (>26 Weeks), Deduct	*-30.55*	
01 22 23 00-1004	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	123.05	
		For >8 To 16 Hours Usage Per Day, Add	*49.22*	
		For >16 To 24 Hours Usage Per Day, Add	*98.44*	
01 22 23 00-1005	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	328.83	
		For >40 To 80 Hours Usage Per Week, Add	*131.53*	
		For >80 Hours Usage Per Week, Add	*263.06*	
01 22 23 00-1006	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	901.64	
		For >160 To 320 Hours Usage Per Month, Add	*360.66*	
		For >320 Hours Usage Per Month, Add	*721.31*	
		For >6 Months (>26 Weeks), Deduct	*-36.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1007	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	195.18	
		For >8 To 16 Hours Usage Per Day, Add	*78.07*	
		For >16 To 24 Hours Usage Per Day, Add	*156.14*	
01 22 23 00-1008	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	551.59	
		For >40 To 80 Hours Usage Per Week, Add	*220.64*	
		For >80 Hours Usage Per Week, Add	*441.27*	
01 22 23 00-1009	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,601.73	
		For >160 To 320 Hours Usage Per Month, Add	*640.69*	
		For >320 Hours Usage Per Month, Add	*1,281.38*	
		For >6 Months (>26 Weeks), Deduct	*-64.07*	

01 22 23 00-1010 Diesel Powered Portable Trash Pumps *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1011	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	381.87	
		For >8 To 16 Hours Usage Per Day, Add	*152.75*	
		For >16 To 24 Hours Usage Per Day, Add	*305.50*	
01 22 23 00-1012	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,039.54	
		For >40 To 80 Hours Usage Per Week, Add	*415.82*	
		For >80 Hours Usage Per Week, Add	*831.63*	
01 22 23 00-1013	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,529.40	
		For >160 To 320 Hours Usage Per Month, Add	*1,811.76*	
		For >320 Hours Usage Per Month, Add	*3,623.52*	
		For >6 Months (>26 Weeks), Deduct	*-181.18*	
01 22 23 00-1014	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	583.41	
		For >8 To 16 Hours Usage Per Day, Add	*233.36*	
		For >16 To 24 Hours Usage Per Day, Add	*466.73*	
01 22 23 00-1015	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,527.48	
		For >40 To 80 Hours Usage Per Week, Add	*610.99*	
		For >80 Hours Usage Per Week, Add	*1,221.98*	
01 22 23 00-1016	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,062.67	
		For >160 To 320 Hours Usage Per Month, Add	*1,625.07*	
		For >320 Hours Usage Per Month, Add	*3,250.14*	
		For >6 Months (>26 Weeks), Deduct	*-162.51*	
01 22 23 00-1017	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	793.44	
		For >8 To 16 Hours Usage Per Day, Add	*317.38*	
		For >16 To 24 Hours Usage Per Day, Add	*634.75*	
01 22 23 00-1018	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,123.62	
		For >40 To 80 Hours Usage Per Week, Add	*849.45*	
		For >80 Hours Usage Per Week, Add	*1,698.90*	
01 22 23 00-1019	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,681.38	
		For >160 To 320 Hours Usage Per Month, Add	*2,272.55*	
		For >320 Hours Usage Per Month, Add	*4,545.10*	
		For >6 Months (>26 Weeks), Deduct	*-227.26*	
01 22 23 00-1020	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,026.81	
		For >8 To 16 Hours Usage Per Day, Add	*410.72*	
		For >16 To 24 Hours Usage Per Day, Add	*821.45*	
01 22 23 00-1021	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,622.17	
		For >40 To 80 Hours Usage Per Week, Add	*1,048.87*	
		For >80 Hours Usage Per Week, Add	*2,097.74*	
01 22 23 00-1022	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,701.04	
		For >160 To 320 Hours Usage Per Month, Add	*3,080.42*	
		For >320 Hours Usage Per Month, Add	*6,160.83*	
		For >6 Months (>26 Weeks), Deduct	*-308.04*	

01 22 23 00-1023 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1024	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	545.23	
		For >8 To 16 Hours Usage Per Day, Add	*218.09*	
		For >16 To 24 Hours Usage Per Day, Add	*436.18*	
01 22 23 00-1025	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,241.08	
		For >40 To 80 Hours Usage Per Week, Add	*496.43*	
		For >80 Hours Usage Per Week, Add	*992.86*	
01 22 23 00-1026	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,869.62	
		For >160 To 320 Hours Usage Per Month, Add	*1,547.85*	
		For >320 Hours Usage Per Month, Add	*3,095.70*	
		For >6 Months (>26 Weeks), Deduct	*-154.78*	
01 22 23 00-1027	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	668.27	
		For >8 To 16 Hours Usage Per Day, Add	*267.31*	
		For >16 To 24 Hours Usage Per Day, Add	*534.62*	
01 22 23 00-1028	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,665.38	
		For >40 To 80 Hours Usage Per Week, Add	*666.15*	
		For >80 Hours Usage Per Week, Add	*1,332.30*	
01 22 23 00-1029	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,529.40	
		For >160 To 320 Hours Usage Per Month, Add	*1,811.76*	
		For >320 Hours Usage Per Month, Add	*3,623.52*	
		For >6 Months (>26 Weeks), Deduct	*-181.18*	
01 22 23 00-1030	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	806.17	
		For >8 To 16 Hours Usage Per Day, Add	*322.47*	
		For >16 To 24 Hours Usage Per Day, Add	*644.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1031	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,384.57	
		For >40 To 80 Hours Usage Per Week, Add	*953.83*	
		For >80 Hours Usage Per Week, Add	*1,907.66*	
01 22 23 00-1032	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,650.90	
		For >160 To 320 Hours Usage Per Month, Add	*2,660.36*	
		For >320 Hours Usage Per Month, Add	*5,320.72*	
		For >6 Months (>26 Weeks), Deduct	*-266.04*	
01 22 23 00-1033	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,213.50	
		For >8 To 16 Hours Usage Per Day, Add	*485.40*	
		For >16 To 24 Hours Usage Per Day, Add	*970.80*	
01 22 23 00-1034	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,099.51	
		For >40 To 80 Hours Usage Per Week, Add	*1,239.80*	
		For >80 Hours Usage Per Week, Add	*2,479.61*	
01 22 23 00-1035	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	9,101.24	
		For >160 To 320 Hours Usage Per Month, Add	*3,640.50*	
		For >320 Hours Usage Per Month, Add	*7,280.99*	
		For >6 Months (>26 Weeks), Deduct	*-364.05*	

01 22 23 00-1036 3 Phase Electric Submersible Pumps *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1037	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	212.15	
01 22 23 00-1038	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	530.38	
01 22 23 00-1039	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,591.12	
		For >6 Months (>26 Weeks), Deduct	*-63.64*	
01 22 23 00-1040	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	280.04	
01 22 23 00-1041	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	700.10	
01 22 23 00-1042	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,100.28	
		For >6 Months (>26 Weeks), Deduct	*-84.01*	

01 22 23 00-1043 Suction Hose With Couplings *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1044	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1045	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08	
01 22 23 00-1046	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32	
		For >6 Months (>26 Weeks), Deduct	*-1.97*	
01 22 23 00-1047	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15	
		For Half Day Usage, Deduct	*-5.36*	
01 22 23 00-1048	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96	
01 22 23 00-1049	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01	
		For >6 Months (>26 Weeks), Deduct	*-5.36*	
01 22 23 00-1050	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-1051	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40	
01 22 23 00-1052	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34	
		For >6 Months (>26 Weeks), Deduct	*-7.93*	
01 22 23 00-1053	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16	
		For Half Day Usage, Deduct	*-10.05*	
01 22 23 00-1054	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41	
01 22 23 00-1055	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86	
		For >6 Months (>26 Weeks), Deduct	*-9.43*	
01 22 23 00-1056	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05	
		For Half Day Usage, Deduct	*-23.45*	
01 22 23 00-1057	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98	
01 22 23 00-1058	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21	
		For >6 Months (>26 Weeks), Deduct	*-22.73*	
01 22 23 00-1059	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78	
		For Half Day Usage, Deduct	*-31.49*	
01 22 23 00-1060	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78	
01 22 23 00-1061	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34	
		For >6 Months (>26 Weeks), Deduct	*-26.37*	

01 22 23 00-1062 Discharge Hose With Couplings *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1063	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1064	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08	
01 22 23 00-1065	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32	
		For >6 Months (>26 Weeks), Deduct	*-1.97*	
01 22 23 00-1066	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50	
		For Half Day Usage, Deduct	*-2.34*	
01 22 23 00-1067	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23	
01 22 23 00-1068	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82	
		For >6 Months (>26 Weeks), Deduct	*-2.27*	
01 22 23 00-1069	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58	
		For Half Day Usage, Deduct	*-2.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1070	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44	
01 22 23 00-1071	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40	
		For >6 Months (>26 Weeks), Deduct	*-2.62*	
01 22 23 00-1072	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-1073	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89	
01 22 23 00-1074	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18	
		For >6 Months (>26 Weeks), Deduct	*-6.65*	
01 22 23 00-1075	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87	
		For Half Day Usage, Deduct	*-8.71*	
01 22 23 00-1076	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12	
01 22 23 00-1077	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06	
		For >6 Months (>26 Weeks), Deduct	*-8.36*	
01 22 23 00-1078	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44	
		For Half Day Usage, Deduct	*-6.70*	
01 22 23 00-1079	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60	
01 22 23 00-1080	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82	
		For >6 Months (>26 Weeks), Deduct	*-6.43*	
01 22 23 00-1081	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68	
		For Half Day Usage, Deduct	*-17.09*	
01 22 23 00-1082	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37	
01 22 23 00-1083	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76	
		For >6 Months (>26 Weeks), Deduct	*-16.51*	

01 22 23 00-1084 Hydraulic Submersible Pumps *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1085 Hydraulic Submersible Pumps *(01 22 23 00-1084)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1086	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	140.02	
		For >8 To 16 Hours Usage Per Day, Add	*56.01*	
		For >16 To 24 Hours Usage Per Day, Add	*112.02*	
01 22 23 00-1087	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	375.51	
		For >40 To 80 Hours Usage Per Week, Add	*150.20*	
		For >80 Hours Usage Per Week, Add	*300.41*	
01 22 23 00-1088	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,050.14	
		For >160 To 320 Hours Usage Per Month, Add	*420.06*	
		For >320 Hours Usage Per Month, Add	*840.11*	
		For >6 Months (>26 Weeks), Deduct	*-42.01*	
01 22 23 00-1089	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	178.21	
		For >8 To 16 Hours Usage Per Day, Add	*71.28*	
		For >16 To 24 Hours Usage Per Day, Add	*142.57*	
01 22 23 00-1090	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	458.24	
		For >40 To 80 Hours Usage Per Week, Add	*183.30*	
		For >80 Hours Usage Per Week, Add	*366.59*	
01 22 23 00-1091	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,400.19	
		For >160 To 320 Hours Usage Per Month, Add	*560.08*	
		For >320 Hours Usage Per Month, Add	*1,120.15*	
		For >6 Months (>26 Weeks), Deduct	*-56.01*	

01 22 23 00-1092 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1084)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1093	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	323.53	
		For >8 To 16 Hours Usage Per Day, Add	*129.41*	
		For >16 To 24 Hours Usage Per Day, Add	*258.82*	
01 22 23 00-1094	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	965.28	
		For >40 To 80 Hours Usage Per Week, Add	*386.11*	
		For >80 Hours Usage Per Week, Add	*772.22*	
01 22 23 00-1095	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,545.80	
		For >160 To 320 Hours Usage Per Month, Add	*1,018.32*	
		For >320 Hours Usage Per Month, Add	*2,036.64*	
		For >6 Months (>26 Weeks), Deduct	*-101.83*	

01 22 23 00-1096 HDPE Pipe With Couplings *(01 22 23 00-0985)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1097	DAY	4" Diameter x 50' Length, HDPE Pipe With Couplings	21.52	
		For Half Day Usage, Deduct	*-6.73*	
01 22 23 00-1098	WK	4" Diameter x 50' Length, HDPE Pipe With Couplings	51.64	
01 22 23 00-1099	MO	4" Diameter x 50' Length, HDPE Pipe With Couplings	159.24	
		For >6 Months (>26 Weeks), Deduct	*-6.37*	
01 22 23 00-1100	DAY	6" Diameter x 50' Length, HDPE Pipe With Couplings	34.43	
		For Half Day Usage, Deduct	*-10.76*	
01 22 23 00-1101	WK	6" Diameter x 50' Length, HDPE Pipe With Couplings	86.07	
01 22 23 00-1102	MO	6" Diameter x 50' Length, HDPE Pipe With Couplings	262.53	
		For >6 Months (>26 Weeks), Deduct	*-10.50*	
01 22 23 00-1103	DAY	8" Diameter x 50' Length, HDPE Pipe With Couplings	55.95	
		For Half Day Usage, Deduct	*-17.48*	
01 22 23 00-1104	WK	8" Diameter x 50' HDPE Length, HDPE With Couplings	146.33	
01 22 23 00-1105	MO	8" Diameter x 50' Length, HDPE Pipe With Couplings	434.67	
		For >6 Months (>26 Weeks), Deduct	*-17.39*	
01 22 23 00-1106	DAY	10" Diameter x 50' Length, HDPE Pipe With Couplings	68.86	
		For Half Day Usage, Deduct	*-21.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1107	WK	10" Diameter x 50' Length, HDPE Pipe With Couplings	176.45	
01 22 23 00-1108	MO	10" Diameter x 50' Length, HDPE Pipe With Couplings	537.96	
		For >6 Months (>26 Weeks), Deduct	*-21.52*	
01 22 23 00-1109	DAY	12" Diameter x 20' Length, HDPE Pipe With Couplings	51.64	
		For Half Day Usage, Deduct	*-16.14*	
01 22 23 00-1110	WK	12" Diameter x 20' Length, HDPE Pipe With Couplings	142.02	
01 22 23 00-1111	MO	12" Diameter x 20' Length, HDPE Pipe With Couplings	430.37	
		For >6 Months (>26 Weeks), Deduct	*-17.21*	
01 22 23 00-1112	DAY	4" Diameter Elbow For HDPE Pipe, Quick Connect	51.64	
		For Half Day Usage, Deduct	*-16.14*	
01 22 23 00-1113	WK	4" Diameter Elbow For HDPE Pipe, Quick Connect	133.41	
01 22 23 00-1114	MO	4" Diameter Elbow For HDPE Pipe, Quick Connect	395.94	
		For >6 Months (>26 Weeks), Deduct	*-15.84*	
01 22 23 00-1115	DAY	6" Diameter Elbow For HDPE Pipe, Quick Connect	60.25	
		For Half Day Usage, Deduct	*-18.83*	
01 22 23 00-1116	WK	6" Diameter Elbow For HDPE Pipe, Quick Connect	154.93	
01 22 23 00-1117	MO	6" Diameter Elbow For HDPE Pipe, Quick Connect	473.41	
		For >6 Months (>26 Weeks), Deduct	*-18.94*	
01 22 23 00-1118	DAY	8" Diameter Elbow For HDPE Pipe, Quick Connect	68.86	
		For Half Day Usage, Deduct	*-21.52*	
01 22 23 00-1119	WK	8" Diameter Elbow For HDPE Pipe, Quick Connect	176.45	
01 22 23 00-1120	MO	8" Diameter Elbow For HDPE Pipe, Quick Connect	537.96	
		For >6 Months (>26 Weeks), Deduct	*-21.52*	
01 22 23 00-1121	DAY	10" Diameter Elbow For HDPE Pipe, Quick Connect	86.07	
		For Half Day Usage, Deduct	*-26.90*	
01 22 23 00-1122	WK	10" Diameter Elbow For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1123	MO	10" Diameter Elbow For HDPE Pipe, Quick Connect	667.07	
		For >6 Months (>26 Weeks), Deduct	*-26.68*	
01 22 23 00-1124	DAY	12" Diameter Elbow For HDPE Pipe, Quick Connect	86.07	
		For Half Day Usage, Deduct	*-26.90*	
01 22 23 00-1125	WK	12" Diameter Elbow For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1126	MO	12" Diameter Elbow For HDPE Pipe, Quick Connect	667.07	
		For >6 Months (>26 Weeks), Deduct	*-26.68*	
01 22 23 00-1127	DAY	4" Diameter Tee For HDPE Pipe, Quick Connect	51.64	
		For Half Day Usage, Deduct	*-16.14*	
01 22 23 00-1128	WK	4" Diameter Tee For HDPE Pipe, Quick Connect	133.41	
01 22 23 00-1129	MO	4" Diameter Tee For HDPE Pipe, Quick Connect	395.94	
		For >6 Months (>26 Weeks), Deduct	*-15.84*	
01 22 23 00-1130	DAY	6" Diameter Tee For HDPE Pipe, Quick Connect	68.86	
		For Half Day Usage, Deduct	*-21.52*	
01 22 23 00-1131	WK	6" Diameter Tee For HDPE Pipe, Quick Connect	176.45	
01 22 23 00-1132	MO	6" Diameter Tee For HDPE Pipe, Quick Connect	537.96	
		For >6 Months (>26 Weeks), Deduct	*-21.52*	
01 22 23 00-1133	DAY	8" Diameter Tee For HDPE Pipe, Quick Connect	86.07	
		For Half Day Usage, Deduct	*-26.90*	
01 22 23 00-1134	WK	8" Diameter Tee For HDPE Pipe, Quick Connect	219.49	
01 22 23 00-1135	MO	8" Diameter Tee For HDPE Pipe, Quick Connect	667.07	
		For >6 Months (>26 Weeks), Deduct	*-26.68*	
01 22 23 00-1136	DAY	10" Diameter Tee For HDPE Pipe, Quick Connect	103.29	
		For Half Day Usage, Deduct	*-32.28*	
01 22 23 00-1137	WK	10" Diameter Tee For HDPE Pipe, Quick Connect	262.53	
01 22 23 00-1138	MO	10" Diameter Tee For HDPE Pipe, Quick Connect	796.18	
		For >6 Months (>26 Weeks), Deduct	*-31.85*	
01 22 23 00-1139	DAY	12" Diameter Tee For HDPE Pipe, Quick Connect	103.29	
		For Half Day Usage, Deduct	*-32.28*	
01 22 23 00-1140	WK	12" Diameter Tee For HDPE Pipe, Quick Connect	262.53	
01 22 23 00-1141	MO	12" Diameter Tee For HDPE Pipe, Quick Connect	796.18	
		For >6 Months (>26 Weeks), Deduct	*-31.85*	
01 22 23 00-1142	DAY	4" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
		For Half Day Usage, Deduct	*-2.69*	
01 22 23 00-1143	WK	4" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1144	MO	4" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
		For >6 Months (>26 Weeks), Deduct	*-3.10*	
01 22 23 00-1145	DAY	6" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
		For Half Day Usage, Deduct	*-2.69*	
01 22 23 00-1146	WK	6" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1147	MO	6" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
		For >6 Months (>26 Weeks), Deduct	*-3.10*	
01 22 23 00-1148	DAY	8" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
		For Half Day Usage, Deduct	*-2.69*	
01 22 23 00-1149	WK	8" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1150	MO	8" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
		For >6 Months (>26 Weeks), Deduct	*-3.10*	
01 22 23 00-1151	DAY	10" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
		For Half Day Usage, Deduct	*-2.69*	
01 22 23 00-1152	WK	10" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1153	MO	10" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
		For >6 Months (>26 Weeks), Deduct	*-3.10*	
01 22 23 00-1154	DAY	12" Diameter Cap For HDPE Pipe, Quick Connect	8.61	
		For Half Day Usage, Deduct	*-2.69*	
01 22 23 00-1155	WK	12" Diameter Cap For HDPE Pipe, Quick Connect	25.82	
01 22 23 00-1156	MO	12" Diameter Cap For HDPE Pipe, Quick Connect	77.47	
		For >6 Months (>26 Weeks), Deduct	*-3.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1157	DAY	4" Diameter Wye For HDPE Pipe, Quick Connect	25.82	
		For Half Day Usage, Deduct	*-8.07*	
01 22 23 00-1158	WK	4" Diameter Wye For HDPE Pipe, Quick Connect	64.56	
01 22 23 00-1159	MO	4" Diameter Wye For HDPE Pipe, Quick Connect	197.97	
		For >6 Months (>26 Weeks), Deduct	*-7.92*	
01 22 23 00-1160	DAY	6" Diameter Wye For HDPE Pipe, Quick Connect	30.13	
		For Half Day Usage, Deduct	*-9.42*	
01 22 23 00-1161	WK	6" Diameter Wye For HDPE Pipe, Quick Connect	77.47	
01 22 23 00-1162	MO	6" Diameter Wye For HDPE Pipe, Quick Connect	236.70	
		For >6 Months (>26 Weeks), Deduct	*-9.47*	
01 22 23 00-1163	DAY	8" Diameter Wye For HDPE Pipe, Quick Connect	51.64	
		For Half Day Usage, Deduct	*-16.14*	
01 22 23 00-1164	WK	8" Diameter Wye For HDPE Pipe, Quick Connect	133.41	
01 22 23 00-1165	MO	8" Diameter Wye For HDPE Pipe, Quick Connect	395.94	
		For >6 Months (>26 Weeks), Deduct	*-15.84*	
01 22 23 00-1166	DAY	10" Diameter Wye For HDPE Pipe, Quick Connect	77.47	
		For Half Day Usage, Deduct	*-24.21*	
01 22 23 00-1167	WK	10" Diameter Wye For HDPE Pipe, Quick Connect	197.97	
01 22 23 00-1168	MO	10" Diameter Wye For HDPE Pipe, Quick Connect	602.52	
		For >6 Months (>26 Weeks), Deduct	*-24.10*	
01 22 23 00-1169	DAY	12" Diameter Wye For HDPE Pipe, Quick Connect	77.47	
		For Half Day Usage, Deduct	*-24.21*	
01 22 23 00-1170	WK	12" Diameter Wye For HDPE Pipe, Quick Connect	197.97	
01 22 23 00-1171	MO	12" Diameter Wye For HDPE Pipe, Quick Connect	602.52	
		For >6 Months (>26 Weeks), Deduct	*-24.10*	

01 22 23 00-1172 Temporary Building Services *(01 22 23)*

01 22 23 00-1173 Boilers *(01 22 23 00-1172)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1174 Electric Boilers *(01 22 23 00-1173)*

01 22 23 00-1175	MO	40 MBH, 12 KW Electric Boiler Rental	2,871.84
01 22 23 00-1176	MO	60 MBH, 20 KW Electric Boiler Rental	3,132.95
01 22 23 00-1177	MO	95 MBH, 30 KW Electric Boiler Rental	3,263.51
01 22 23 00-1178	MO	135 MBH, 40 KW Electric Boiler Rental	3,655.06
01 22 23 00-1179	MO	165 MBH, 50 KW Electric Boiler Rental	5,090.98
01 22 23 00-1180	MO	215 MBH, 60 KW Electric Boiler Rental	5,874.23
01 22 23 00-1181	MO	365 MBH, 100 KW Electric Boiler Rental	7,701.83
01 22 23 00-1182	MO	510 MBH, 150 KW Electric Boiler Rental	9,398.85

01 22 23 00-1183 Oil/Gas Fired Boilers *(01 22 23 00-1173)*

01 22 23 00-1184	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,526.50
01 22 23 00-1185	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,284.45
01 22 23 00-1186	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,305.65
01 22 23 00-1187	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,326.85

01 22 23 00-1188 Oil Fired Boilers *(01 22 23 00-1173)*

01 22 23 00-1189	MO	250 HP Oil Fired Boiler Rental	8,065.57
01 22 23 00-1190	MO	350 HP Oil Fired Boiler Rental	10,754.10
01 22 23 00-1191	MO	500 HP Oil Fired Boiler Rental	13,442.62
01 22 23 00-1192	MO	600 HP Oil Fired Boiler Rental	14,786.89

01 22 23 00-1193 Boilers Set-up *(01 22 23 00-1173)*

01 22 23 00-1194	EA	Set-up Charge For Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	8,007.46

01 22 23 00-1195 Chillers *(01 22 23 00-1172)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1196 Air-Cooled Chillers *(01 22 23 00-1195)*

01 22 23 00-1197	MO	25 Ton Air-Cooled Chiller Rental	2,542.48
		For >3 To 6 Month Rental, Deduct	*-381.37*
		For >6 Months (>26 Weeks), Deduct	*-635.62*
01 22 23 00-1198	MO	40 Ton Air-Cooled Chiller Rental	4,067.98
		For >3 To 6 Month Rental, Deduct	*-610.20*
		For >6 Months (>26 Weeks), Deduct	*-1,017.00*
01 22 23 00-1199	MO	60 Ton Air-Cooled Chiller Rental	4,975.60
		For >3 To 6 Month Rental, Deduct	*-746.34*
		For >6 Months (>26 Weeks), Deduct	*-1,243.90*
01 22 23 00-1200	MO	80 Ton Air-Cooled Chiller Rental	5,883.22
		For >3 To 6 Month Rental, Deduct	*-882.48*
		For >6 Months (>26 Weeks), Deduct	*-1,470.81*
01 22 23 00-1201	MO	100 Ton Air-Cooled Chiller Rental	6,790.84
		For >3 To 6 Month Rental, Deduct	*-1,018.63*
		For >6 Months (>26 Weeks), Deduct	*-1,697.71*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1202	MO	125 Ton Air-Cooled Chiller Rental	7,867.32	
		For >3 To 6 Month Rental, Deduct	*-1,180.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,966.83*	
01 22 23 00-1203	MO	155 Ton Air-Cooled Chiller Rental	9,517.53	
		For >3 To 6 Month Rental, Deduct	*-1,427.63*	
		For >6 Months (>26 Weeks), Deduct	*-2,379.38*	
01 22 23 00-1204	MO	170 Ton Air-Cooled Chiller Rental	10,177.62	
		For >3 To 6 Month Rental, Deduct	*-1,526.64*	
		For >6 Months (>26 Weeks), Deduct	*-2,544.41*	
01 22 23 00-1205	MO	200 Ton Air-Cooled Chiller Rental	11,691.60	
		For >3 To 6 Month Rental, Deduct	*-1,753.74*	
		For >6 Months (>26 Weeks), Deduct	*-2,922.90*	
01 22 23 00-1206	MO	250 Ton Air-Cooled Chiller Rental	13,911.73	
		For >3 To 6 Month Rental, Deduct	*-2,086.76*	
		For >6 Months (>26 Weeks), Deduct	*-3,477.93*	
01 22 23 00-1207	MO	300 Ton Air-Cooled Chiller Rental Note: Includes trailer.	16,233.54	
		For >3 To 6 Month Rental, Deduct	*-2,435.03*	
		For >6 Months (>26 Weeks), Deduct	*-4,058.39*	
01 22 23 00-1208	MO	400 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,414.46	
		For >3 To 6 Month Rental, Deduct	*-3,212.17*	
		For >6 Months (>26 Weeks), Deduct	*-5,353.62*	
01 22 23 00-1209	MO	500 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,507.11	
		For >3 To 6 Month Rental, Deduct	*-3,976.07*	
		For >6 Months (>26 Weeks), Deduct	*-6,626.78*	
01 22 23 00-1210	EA	Set-up Charge For Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,566.16	

01 22 23 00-1211 Chiller Rental Accessories *(01 22 23 00-1195)*

01 22 23 00-1212	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.30	
01 22 23 00-1213	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.63	

01 22 23 00-1214 Cooling Tower *(01 22 23 00-1172)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1215	MO	100 Ton Cooling Tower Rental	3,688.22	
		For >3 To 6 Months Rental, Deduct	*-553.23*	
		For >6 Months (>26 Weeks), Deduct	*-922.06*	
01 22 23 00-1216	MO	200 Ton Cooling Tower Rental	6,714.00	
		For >3 To 6 Months Rental, Deduct	*-1,007.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,678.50*	
01 22 23 00-1217	MO	250 Ton Cooling Tower Rental	7,603.29	
		For >3 To 6 Months Rental, Deduct	*-1,140.49*	
		For >6 Months (>26 Weeks), Deduct	*-1,900.82*	
01 22 23 00-1218	MO	300 Ton Cooling Tower Rental	8,593.92	
		For >3 To 6 Months Rental, Deduct	*-1,289.09*	
		For >6 Months (>26 Weeks), Deduct	*-2,148.48*	
01 22 23 00-1219	MO	400 Ton Cooling Tower Rental	10,742.40	
		For >3 To 6 Months Rental, Deduct	*-1,611.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,685.60*	
01 22 23 00-1220	MO	500 Ton Cooling Tower Rental	12,559.71	
		For >3 To 6 Months Rental, Deduct	*-1,883.96*	
		For >6 Months (>26 Weeks), Deduct	*-3,139.93*	
01 22 23 00-1221	MO	Set-up Charge For Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,566.16	

01 22 23 00-1222 Emergency Cooler/Freezer *(01 22 23 00-1172)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-1223	DAY	8 x 6 x 7 Emergency Cooler Rental	172.01	
		For Half Day Usage, Deduct	*-53.75*	
01 22 23 00-1224	WK	8 x 6 x 7 Emergency Cooler Rental	917.40	
01 22 23 00-1225	DAY	10 x 7 x 7 Emergency Cooler Rental	344.02	
		For Half Day Usage, Deduct	*-107.51*	
01 22 23 00-1226	WK	10 x 7 x 7 Emergency Cooler Rental	1,376.10	
01 22 23 00-1227	MO	10 x 7 x 7 Emergency Cooler Rental	3,440.25	
01 22 23 00-1228	DAY	10 x 7 x 7 Emergency Freezer Rental	401.36	
		For Half Day Usage, Deduct	*-125.43*	
01 22 23 00-1229	WK	10 x 7 x 7 Emergency Freezer Rental	1,605.45	
01 22 23 00-1230	MO	10 x 7 x 7 Emergency Freezer Rental	4,128.30	
01 22 23 00-1231	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	458.70	
		For Half Day Usage, Deduct	*-143.34*	
01 22 23 00-1232	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,834.80	
01 22 23 00-1233	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	4,587.00	

01 22 23 00-1234 Portable Spot Cooling Units *(01 22 23 00-1172)*

Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1235	DAY	1 Ton Portable Spot Cooling Unit	186.84	
		For Half Day Usage, Deduct	*-58.39*	
01 22 23 00-1236	WK	1 Ton Portable Spot Cooling Unit	404.82	
01 22 23 00-1237	MO	1 Ton Portable Spot Cooling Unit	956.96	
		For >6 Months (>26 Weeks), Deduct	*-38.28*	
01 22 23 00-1238	DAY	1.5 Ton Portable Spot Cooling Unit	244.33	
		For Half Day Usage, Deduct	*-76.35*	
01 22 23 00-1239	WK	1.5 Ton Portable Spot Cooling Unit	501.84	
01 22 23 00-1240	MO	1.5 Ton Portable Spot Cooling Unit	1,177.34	
		For >6 Months (>26 Weeks), Deduct	*-47.09*	
01 22 23 00-1241	DAY	2 Ton Portable Spot Cooling Unit	329.37	
		For Half Day Usage, Deduct	*-102.93*	
01 22 23 00-1242	WK	2 Ton Portable Spot Cooling Unit	688.68	
01 22 23 00-1243	MO	2 Ton Portable Spot Cooling Unit	1,275.55	
		For >6 Months (>26 Weeks), Deduct	*-51.02*	
01 22 23 00-1244	DAY	3 Ton Portable Spot Cooling Unit	344.94	
		For Half Day Usage, Deduct	*-107.79*	
01 22 23 00-1245	WK	3 Ton Portable Spot Cooling Unit	730.60	
01 22 23 00-1246	MO	3 Ton Portable Spot Cooling Unit	1,614.50	
		For >6 Months (>26 Weeks), Deduct	*-64.58*	
01 22 23 00-1247	DAY	5 Ton Portable Spot Cooling Unit	538.96	
		For Half Day Usage, Deduct	*-168.43*	
01 22 23 00-1248	WK	5 Ton Portable Spot Cooling Unit	1,089.91	
01 22 23 00-1249	MO	5 Ton Portable Spot Cooling Unit	2,264.85	
		For >6 Months (>26 Weeks), Deduct	*-90.59*	
01 22 23 00-1250	DAY	10 To 12 Ton Portable Spot Cooling Unit	704.25	
		For Half Day Usage, Deduct	*-220.08*	
01 22 23 00-1251	WK	10 To 12 Ton Portable Spot Cooling Unit	1,586.95	
01 22 23 00-1252	MO	10 To 12 Ton Portable Spot Cooling Unit	3,830.24	
		For >6 Months (>26 Weeks), Deduct	*-153.21*	
01 22 23 00-1253	DAY	20 Ton Portable Spot Cooling Unit	808.45	
		For Half Day Usage, Deduct	*-252.64*	
01 22 23 00-1254	WK	20 Ton Portable Spot Cooling Unit	1,856.44	
01 22 23 00-1255	MO	20 Ton Portable Spot Cooling Unit	5,174.06	
		For >6 Months (>26 Weeks), Deduct	*-206.96*	
01 22 23 00-1256	DAY	25 Ton Portable Spot Cooling Unit	1,149.79	
		For Half Day Usage, Deduct	*-359.31*	
01 22 23 00-1257	WK	25 Ton Portable Spot Cooling Unit	2,329.53	
01 22 23 00-1258	MO	25 Ton Portable Spot Cooling Unit	5,419.59	
		For >6 Months (>26 Weeks), Deduct	*-216.78*	
01 22 23 00-1259	EA	Set-up Charge For Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	267.06	
01 22 23 00-1260	EA	Set-up Charge For Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	614.69	
01 22 23 00-1261	EA	Set-up Charge For Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	893.89	

01 22 23 00-1262 Fuel Oil Tank *(01 22 23 00-1172)*

Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0748 for reimbursable fuel fees.

01 22 23 00-1263	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	396.94	
		For >6 Months (>26 Weeks), Deduct	*-15.88*	
01 22 23 00-1264	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	617.46	
		For >6 Months (>26 Weeks), Deduct	*-24.70*	
01 22 23 00-1265	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,543.66	
		For >6 Months (>26 Weeks), Deduct	*-61.75*	
01 22 23 00-1266	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,572.76	
		For >6 Months (>26 Weeks), Deduct	*-102.91*	
01 22 23 00-1267	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,396.05	
		For >6 Months (>26 Weeks), Deduct	*-135.84*	
01 22 23 00-1268	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,066.82	
		For >6 Months (>26 Weeks), Deduct	*-242.67*	

01 22 23 00-1269 Truck And Trailer Equipment *(01 22 23)*

01 22 23 00-1270 Trucks *(01 22 23 00-1269)*

Note: Includes driver, delivery to job site and pick-up when complete.

01 22 23 00-1271 Flat Bed Trucks *(01 22 23 00-1270)*

Note: Includes hydraulic tilt bed.

01 22 23 00-1272	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,106.89	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-497.09*	
01 22 23 00-1273	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,819.60	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1274	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,460.60	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-79.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1275	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,236.87	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-537.71*	
01 22 23 00-1276	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,152.66	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1277	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,313.56	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-113.73*	
01 22 23 00-1278	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,330.12	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-566.85*	
01 22 23 00-1279	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,509.12	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1280	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	21,670.19	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-167.99*	

01 22 23 00-1281 Boom Trucks *(01 22 23 00-1270)*

01 22 23 00-1282	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,366.03	
		For Equipment Without Operator, Deduct	*-806.32*	
		For High Rail Equipment, Add	*195.90*	
		For Half Day Usage, Deduct	*-578.07*	
01 22 23 00-1283	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,488.98	
		For Equipment Without Operator, Deduct	*-4,031.62*	
		For High Rail Equipment, Add	*510.08*	
01 22 23 00-1284	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	21,166.53	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For High Rail Equipment, Add	*1,293.67*	
		For >6 Months (>26 Weeks), Deduct	*-147.85*	

01 22 23 00-1285 Light Off-Road Utility Passanger Vehicles *(01 22 23 00-1270)*

01 22 23 00-1286	DAY	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle	309.84	
		For Half Day Usage, Deduct	*-96.83*	
01 22 23 00-1287	WK	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle	716.50	
01 22 23 00-1288	MO	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle	1,549.20	
		For >6 Months (>26 Weeks), Deduct	*-61.97*	
01 22 23 00-1289	DAY	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle	319.52	
		For Half Day Usage, Deduct	*-99.85*	
01 22 23 00-1290	WK	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle	745.55	
01 22 23 00-1291	MO	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle	1,646.02	
		For >6 Months (>26 Weeks), Deduct	*-65.84*	

01 22 23 00-1292 Light And Heavy Duty Trucks *(01 22 23 00-1270)*

01 22 23 00-1293	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,061.91	
		For Equipment Without Operator, Deduct	*-799.14*	
		For Half Day Usage, Deduct	*-481.69*	
01 22 23 00-1294	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,857.89	
		For Equipment Without Operator, Deduct	*-3,995.68*	
01 22 23 00-1295	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	19,121.13	
		For Equipment Without Operator, Deduct	*-17,314.60*	
		For >6 Months (>26 Weeks), Deduct	*-72.26*	
01 22 23 00-1296	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,111.18	
		For Equipment Without Operator, Deduct	*-799.14*	
		For Half Day Usage, Deduct	*-497.08*	
01 22 23 00-1297	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	5,005.69	
		For Equipment Without Operator, Deduct	*-3,995.68*	
01 22 23 00-1298	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	19,449.59	
		For Equipment Without Operator, Deduct	*-17,314.60*	
		For >6 Months (>26 Weeks), Deduct	*-85.40*	

01 22 23 00-1299 Rear Dump Trucks *(01 22 23 00-1270)*

01 22 23 00-1300	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,196.05	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-524.95*	
01 22 23 00-1301	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	5,061.02	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1302	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	20,622.07	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-126.07*	
01 22 23 00-1303	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,325.25	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-565.33*	
01 22 23 00-1304	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,461.34	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1305	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	21,177.02	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-148.27*	
01 22 23 00-1306	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,399.39	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-588.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1307	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,620.20	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1308	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	21,282.92	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-152.50*	
01 22 23 00-1309	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,278.40	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-863.19*	
01 22 23 00-1310	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,431.17	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1311	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	26,366.36	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-355.84*	
01 22 23 00-1312	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,425.61	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-909.19*	
01 22 23 00-1313	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,771.13	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1314	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	27,255.96	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-391.42*	

01 22 23 00-1315 Vacuum Trucks *(01 22 23 00-1270)*

01 22 23 00-1316	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,267.81	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-859.88*	
01 22 23 00-1317	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,433.03	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1318	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	30,458.53	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-519.53*	

01 22 23 00-1319 Water Trucks *(01 22 23 00-1270)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1062 for additional discharge hose, 01 22 23 00-1344 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1320	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,449.01	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-604.00*	
01 22 23 00-1321	WK	2,000 Gallon Water Truck With Full-Time Driver	5,724.04	
		For Equipment Without Operator, Deduct	*-4,031.62*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1322	MO	2,000 Gallon Water Truck With Full-Time Driver	21,469.30	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For >6 Months (>26 Weeks), Deduct	*-159.96*	
01 22 23 00-1323	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,763.21	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-702.19*	
01 22 23 00-1324	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,666.65	
		For Equipment Without Operator, Deduct	*-4,031.62*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1325	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,897.24	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For >6 Months (>26 Weeks), Deduct	*-257.08*	

01 22 23 00-1326 Asphalt Distribution Trucks *(01 22 23 00-1270)*

01 22 23 00-1327	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,198.69	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-838.28*	
01 22 23 00-1328	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	8,190.85	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1329	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	29,766.07	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-491.83*	

01 22 23 00-1330 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1270)*

01 22 23 00-1331	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,544.55	
		For Equipment Without Operator, Deduct	*-799.14*	
		For Half Day Usage, Deduct	*-632.51*	
01 22 23 00-1332	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,195.60	
		For Equipment Without Operator, Deduct	*-3,995.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1333	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,657.03	
		For Equipment Without Operator, Deduct	*-17,314.60*	
		For >6 Months (>26 Weeks), Deduct	*-213.70*	

01 22 23 00-1334 Straight/Box Trucks *(01 22 23 00-1270)*

01 22 23 00-1335	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	934.67	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-443.27*	
01 22 23 00-1336	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	4,673.38	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1337	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	19,364.74	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-75.78*	

01 22 23 00-1338 Truck Mounted Accessories *(01 22 23 00-1269)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1339 Truck Mounted Arrow Boards *(01 22 23 00-1338)*

01 22 23 00-1340	DAY	Truck Mounted Arrow Board	55.92	
		For Half Day Usage, Deduct	*-17.48*	
01 22 23 00-1341	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1342	MO	Truck Mounted Arrow Board	792.98	
		For >6 Months (>26 Weeks), Deduct	*-31.72*	

01 22 23 00-1343 Trailers *(01 22 23 00-1269)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1344 Water Trailers With Pump *(01 22 23 00-1343)*

01 22 23 00-1345	DAY	500 To 600 Gallon Water Trailer With Pump	164.24	
		For Half Day Usage, Deduct	*-51.33*	
01 22 23 00-1346	WK	500 To 600 Gallon Water Trailer With Pump	421.32	
01 22 23 00-1347	MO	500 To 600 Gallon Water Trailer With Pump	1,128.28	
		For >6 Months (>26 Weeks), Deduct	*-45.13*	

01 22 23 00-1348 Manual Powered, Full, Rear Dump Trailer *(01 22 23 00-1343)*

01 22 23 00-1349	DAY	10 CY, Manual Powered, Full, Rear Dump Trailer	231.22	
		For Half Day Usage, Deduct	*-72.26*	
01 22 23 00-1350	WK	10 CY, Manual Powered, Full, Rear Dump Trailer	923.13	
01 22 23 00-1351	MO	10 CY, Manual Powered, Full, Rear Dump Trailer	3,306.73	
		For >6 Months (>26 Weeks), Deduct	*-132.27*	
01 22 23 00-1352	DAY	13 CY, Manual Powered, Full, Rear Dump Trailer	265.70	
		For Half Day Usage, Deduct	*-83.03*	
01 22 23 00-1353	WK	13 CY, Manual Powered, Full, Rear Dump Trailer	1,062.81	
01 22 23 00-1354	MO	13 CY, Manual Powered, Full, Rear Dump Trailer	3,792.82	
		For >6 Months (>26 Weeks), Deduct	*-151.71*	
01 22 23 00-1355	DAY	16 CY, Manual Powered, Full, Rear Dump Trailer	297.80	
		For Half Day Usage, Deduct	*-93.06*	
01 22 23 00-1356	WK	16 CY, Manual Powered, Full, Rear Dump Trailer	1,182.27	
01 22 23 00-1357	MO	16 CY, Manual Powered, Full, Rear Dump Trailer	4,208.02	
		For >6 Months (>26 Weeks), Deduct	*-168.32*	

01 22 23 00-1358 Hydraulic Lift, Rear Dump Trailers *(01 22 23 00-1343)*

01 22 23 00-1359	DAY	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	266.02	
		For Half Day Usage, Deduct	*-83.13*	
01 22 23 00-1360	WK	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,151.82	
01 22 23 00-1361	MO	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	4,313.08	
01 22 23 00-1362	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	329.14	
		For Half Day Usage, Deduct	*-102.86*	
01 22 23 00-1363	WK	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,431.75	
01 22 23 00-1364	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	5,343.65	
		For Half Day Usage, Deduct	*-1,669.89*	
01 22 23 00-1365	DAY	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	430.42	
		For Half Day Usage, Deduct	*-134.51*	
01 22 23 00-1366	WK	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,857.89	
01 22 23 00-1367	MO	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	6,941.22	
01 22 23 00-1368	DAY	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	454.66	
		For Half Day Usage, Deduct	*-142.08*	
01 22 23 00-1369	WK	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,952.38	
01 22 23 00-1370	MO	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,265.72	
01 22 23 00-1371	DAY	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	466.43	
		For Half Day Usage, Deduct	*-145.76*	
01 22 23 00-1372	WK	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,002.31	
01 22 23 00-1373	MO	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,474.34	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1374		Trailer Mounted Equipment *(01 22 23 00-1269)*		
01 22 23 00-1375		Trailer Mounted Under-Bridge Aerial Access Platform *(01 22 23 00-1374)*		
		Note: Includes full-time operator. Excludes truck.		
01 22 23 00-1376	DAY	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	3,017.82	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,094.25*	
01 22 23 00-1377	WK	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	10,666.11	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1378	MO	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	35,899.48	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-737.17*	
01 22 23 00-1379	DAY	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	3,238.97	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,163.36*	
01 22 23 00-1380	WK	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	11,329.56	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1381	MO	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	37,742.39	
		For Equipment Without Operator, Deduct	*-17,470.34*	
		For >6 Months (>26 Weeks), Deduct	*-810.88*	
01 22 23 00-1382		Trailer Mounted Bridge Stripping Buggy *(01 22 23 00-1374)*		
01 22 23 00-1383	DAY	Trailer Mounted Bridge Overhang Stripping Buggy	250.95	
		For Half Day Usage, Deduct	*-78.42*	
01 22 23 00-1384	WK	Trailer Mounted Bridge Overhang Stripping Buggy	752.87	
01 22 23 00-1385	MO	Trailer Mounted Bridge Overhang Stripping Buggy	2,091.22	
		For >6 Months (>26 Weeks), Deduct	*-83.65*	
01 22 23 00-1386		Portable Trailer Mounted, CCTV Camera Systems *(01 22 23 00-1374)*		
		Note: Includes trailer. Excludes truck.		
01 22 23 00-1387	MO	Portable Trailer Mounted, Single Camera, CCTV Camera System	2,904.75	
		For >6 Months (>26 Weeks), Deduct	*-116.19*	
01 22 23 00-1388	MO	Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	5,034.90	
		For >6 Months (>26 Weeks), Deduct	*-201.40*	

01 30 Administrative Requirements *(01)*

01 31 Project Management and Coordination *(01 30)*

01 31 33 Project Minimum Labor Costs *(01 31)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0001		Minimum Charge For Labor *(01 31 33)*		
		Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.		
01 31 33 00-0002	EA	Minimum Charge For Brick Layer	1,014.00	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0003	EA	Minimum Charge For Carpenter	1,214.96	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0004	EA	Minimum Charge For Carpet, Linoleum	1,198.90	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0005	EA	Minimum Charge For Cement Mason	864.14	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0006	EA	Minimum Charge For Drywall Finisher	1,113.09	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0007	EA	Minimum Charge For Drywall Installer	1,169.34	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0008	EA	Minimum Charge For Electrician	1,218.31	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0009	EA	Minimum Charge For Glazier	1,080.02	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0010	EA	Minimum Charge For Insulator	1,280.46	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0011	EA	Minimum Charge For Laborer	766.13	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0012	EA	Minimum Charge For Landscape Maintenance Worker	891.13	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0013	EA	Minimum Charge For Ornamental Metal Worker	1,056.66	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0014	EA	Minimum Charge For Painter, Ordinary Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	954.94	
01 31 33 00-0015	EA	Minimum Charge For Plasterer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,082.02	
01 31 33 00-0016	EA	Minimum Charge For Plumber Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,251.01	
01 31 33 00-0017	EA	Minimum Charge For Roofer, Tile/Slate Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,263.17	
01 31 33 00-0018	EA	Minimum Charge For Roofer, Composite Built-Up Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,330.08	
01 31 33 00-0019	EA	Minimum Charge For Sheet Metal Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,247.90	
01 31 33 00-0020	EA	Minimum Charge For Sprinkler Installer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	962.75	
01 31 33 00-0021	EA	Minimum Charge For Tile Layer (Floor) Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	996.88	

01 35 Special Procedures *(01 30)*

01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0052 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.70
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.40

01 35 33 Infection Control Procedures *(01 35)*

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE	Abbreviations And Acronyms Note: For specification publishing. Review specifications for requirements.	0.00

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE	Definitions Note: For specification publishing. Review specifications for requirements.	0.00

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE	Reference Standards Note: For specification publishing. Review specifications for requirements.	0.00

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE	Construction Suppliers or Venor List Note: For specification publishing. Review specifications for requirements.	0.00

01 45 Quality Control *(01 40)*

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0002		**Field Soils Tests** *(01 45 23 00-0001)*		
01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86	
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26	
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75	
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	456.60	
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	684.90	
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,369.34	
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	51.35	
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	136.98	
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	342.33	
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	427.92	
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	104.27	
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	260.67	
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	521.35	
01 45 23 00-0016		**Aggregate Testing** *(01 45 23 00-0001)*		
01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15	
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47	
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38	
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	169.44	
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	181.37	
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	162.61	
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83	
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	228.30	
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	228.30	
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22	
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229	182.64	
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88	479.27	
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211	365.28	
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535	365.28	
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29	102.74	
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40	102.70	
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method	102.70	
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142	205.40	
01 45 23 00-0035		**Permeability Tests** *(01 45 23 00-0001)*		
01 45 23 00-0036		**In-Place Tests** *(01 45 23 00-0035)*		
01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385	1,813.72	
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58	
01 45 23 00-0039		**Lab Tests** *(01 45 23 00-0035)*		
01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE	846.40	
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100	846.40	
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66	
01 45 23 00-0043		**Concrete/Cement/Asphalt Testing** *(01 45 23)*		
01 45 23 00-0044		**Concrete Testing** *(01 45 23 00-0043)*		
01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	26.47	
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55	
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42	148.40	
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88	
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	79.90	
01 45 23 00-0050	EA	Concrete Mix Design Review	433.77	
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory	1,027.35	
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified	799.05	
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28	
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143	57.08	
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08	
01 45 23 00-0056		**Cement Testing** *(01 45 23 00-0043)*		
01 45 23 00-0057	EA	CCR Title 24, Cement Grab Sample Note: Includes sealing and storing 1 year.	57.08	
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	91.32	
01 45 23 00-0059		**Asphaltic Concrete Testing** *(01 45 23 00-0043)*		
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366	114.15	
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79	
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559	114.15	
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559	296.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0064	EA	Swell Test, CA 305 Note: Includes compaction.	136.98	
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B	342.45	
01 45 23 00-0066	EA	Maximum Theoretical Unit Weight, ASTM C2041	217.65	
01 45 23 00-0067	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	45.66	
01 45 23 00-0068	EA	Asphalt Unit Weight On Core Test, CA 308C	45.66	
01 45 23 00-0069	HR	Nuclear Field Density Testing, 4 Hour Minimum	235.15	
01 45 23 00-0070	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30	
01 45 23 00-0071	EA	Penetration, ASTM D5	164.90	
01 45 23 00-0072		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0073		Masonry Testing *(01 45 23 00-0072)*		
01 45 23 00-0074	EA	2" x 4" Cylinder Mortar Compression Test	75.34	
01 45 23 00-0075	EA	4" x 4" x 8" Grout Prisms Compression Test	75.34	
01 45 23 00-0076	EA	Masonry Cores Compression Test	148.40	
01 45 23 00-0077	EA	Composite Grouted Prism Compression Test	285.38	
01 45 23 00-0078		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0072)*		
01 45 23 00-0079	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64	
01 45 23 00-0080	EA	Absorption Test, Moisture Content And Unit Weight	125.56	
01 45 23 00-0081	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27	
01 45 23 00-0082	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63	
01 45 23 00-0083		Metals Testing *(01 45 23)*		
01 45 23 00-0084		Tank Line Tightness Testing *(01 45 23 00-0083)*		
01 45 23 00-0085	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	504.59	
01 45 23 00-0086	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	560.31	
01 45 23 00-0087	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	615.82	
01 45 23 00-0088		Other Testing *(01 45 23)*		
01 45 23 00-0089		Special Testing *(01 45 23 00-0088)*		
01 45 23 00-0090	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17	
01 45 23 00-0091	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00	
01 45 23 00-0092	EA	Total Coliform Bacteria And E. Coli Bacteria Test	53.35	
01 45 23 00-0093	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30	
01 45 23 00-0094	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30	
01 45 23 00-0095	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30	
01 45 23 00-0096	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15	
01 45 23 00-0097	EA	Testing And Certification Of Backflow Valves	608.40	
01 45 23 00-0098		Non-destructive Field Testing Services *(01 45 23 00-0088)*		
01 45 23 00-0099		Infrared Thermography *(01 45 23 00-0098)* Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0100		Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0099)* Note: For on the roof surveys.		
01 45 23 00-0101	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,983.40	
01 45 23 00-0102	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.64	
		For CADD Drawings, Add	*1.33*	
01 45 23 00-0103	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.43	
		For CADD Drawings, Add	*0.89*	
01 45 23 00-0104	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.32	
		For CADD Drawings, Add	*0.66*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.83*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.83*	
01 45 23 00-0105	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.21	
		For CADD Drawings, Add	*0.44*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.55*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.55*	
01 45 23 00-0106		Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0099)* Note: For finding moisture in walls and windows.		
01 45 23 00-0107	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0108	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0109	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0110	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0111		**General Building Investigation Using Infrared Thermography** *(01 45 23 00-0099)*		
		Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0112	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,315.35	
01 45 23 00-0113	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0114	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0115	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	
01 45 23 00-0116		**Electrical /Mechanical Equipment Scanning Using Infrared Thermography** *(01 45 23 00-0099)*		
		Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0117	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0118	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	239.07	
		For Digital Or Analog Recording Of All Items, Add	*35.79*	
01 45 23 00-0119		**Concrete Block Wall Investigation Using Infrared Thermography** *(01 45 23 00-0099)*		
		Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0120	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0121	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*1.00*	
01 45 23 00-0122	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*0.66*	
01 45 23 00-0123		**Other Non-destructive Field Testing Services** *(01 45 23 00-0098)*		
01 45 23 00-0124	HR	ASNT Certified Level I NDT Consultant	77.28	
01 45 23 00-0125	HR	ASNT Certified Level II NDT Consultant	86.45	
01 45 23 00-0126	HR	ASNT Certified Level III NDT Consultant	101.58	
01 45 23 00-0127	HR	Certified Industrial Radiography Radiation Safety Personnel	116.38	
01 45 23 00-0128		**Testing Professional Services** *(01 45 23 00-0088)*		
01 45 23 00-0129	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	212.32	
01 45 23 00-0130	HR	Laboratory Technician	205.47	
01 45 23 00-0131	HR	Portable Digital Reinforcement Scanner	296.79	
01 45 23 00-0132	HR	Subsurface Detection Radar System	502.26	
01 45 23 00-0133	HR	Pavement Rehabilitation Analysis Using Deflectors	570.75	
01 45 23 00-0134		**Concrete Slab Moisture Testing** *(01 45 23 00-0088)*		
01 45 23 00-0135	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	

01 45 29 Testing Laboratory Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001		**Soil Borings Laboratory Tests** *(01 45 29)*		
		See CSI section 02 32 13 00-0000 for soil borings.		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	157.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	50.15	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	120.92	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	846.40	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	132.70	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	36.27	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	290.95	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.06	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,002.97	
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	202.87	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	250.74	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	464.14	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	513.68	
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	150.45	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	167.16	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	358.78	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	76.89	

01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities *(01 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 51 13		**Temporary Electricity** *(01 51)*		
01 51 13 00-0001		Temporary Service Switch And/or Building Feeder Switch *(01 51 13)*		
		Note: Includes all connections and removal after use.		
01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,642.79	
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,556.45	
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,661.84	
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,582.95	
01 51 13 00-0006		Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*		
		Note: Includes mounting on wall and removal after use.		
01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,672.48	
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,365.57	
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,693.04	
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	5,296.50	
01 51 13 00-0011		Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards *(01 51 13)*		
		Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18	
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35	
01 51 26		**Temporary Lighting** *(01 51)*		
01 51 26 00-0001		Temporary Lighting Devices *(01 51 26)*		
		Note: Includes removal after use.		
01 51 26 00-0002	EA	Temporary Exit Light	327.71	
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	118.55	
01 51 26 00-0004	EA	Temporary High Bay Light	445.76	
01 52		**Construction Facilities** *(01 50)*		
		Note: Tasks in this section shall be used as directed by owner for owner's use.		
01 52 13		**Field Offices and Sheds** *(01 52)*		
01 52 13 00-0001		Field Offices and Office Trailers *(01 52 13)*		
		Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.		
01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	252.05	
		For Each Delivery And Removal, Two Round Trips, Add	*1,533.16*	
		For Each Set-up (Block And Level), Add	*836.61*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*779.35*	
		For Office Trailer Without Toilet, Deduct	*-50.41*	
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	285.65	
		For Each Delivery And Removal, Two Round Trips, Add	*1,533.16*	
		For Each Set-up (Block And Level), Add	*836.61*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*779.35*	
		For Office Trailer Without Toilet, Deduct	*-57.13*	
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	386.47	
		For Each Delivery And Removal, Two Round Trips, Add	*3,066.32*	
		For Each Set-up (Block And Level), Add	*1,313.69*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	
		For Office Trailer Without Toilet, Deduct	*-77.29*	
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	411.68	
		For Each Delivery And Removal, Two Round Trips, Add	*3,066.32*	
		For Each Set-up (Block And Level), Add	*1,313.69*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	
		For Office Trailer Without Toilet, Deduct	*-82.34*	
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	453.69	
		For Each Delivery And Removal, Two Round Trips, Add	*3,066.32*	
		For Each Set-up (Block And Level), Add	*1,313.69*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	478.89	
		For Each Delivery And Removal, Two Round Trips, Add	*3,066.32*	
		For Each Set-up (Block And Level), Add	*1,313.69*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	389.04	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	
		For Each Delivery And Removal, Two Round Trips, Add	*781.23*	
		For Each Set-up (Block And Level), Add	*587.88*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	520.13	
		For Each Delivery And Removal, Two Round Trips, Add	*3,066.32*	
		For Each Set-up (Block And Level), Add	*1,313.69*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	619.20	
		For Each Delivery And Removal, Two Round Trips, Add	*3,066.32*	
		For Each Set-up (Block And Level), Add	*1,313.69*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	856.12	
		For Each Delivery And Removal, Two Round Trips, Add	*3,066.32*	
		For Each Set-up (Block And Level), Add	*1,313.69*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*1,166.99*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,344.25	
		For Each Delivery And Removal, Two Round Trips, Add	*4,599.49*	
		For Each Set-Up (Block And Level), Add	*2,342.74*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*2,338.06*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,613.09	
		For Each Delivery And Removal, Two Round Trips, Add	*4,599.49*	
		For Each Set-Up (Block And Level), Add	*2,342.74*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*2,338.06*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	843.31	
		For Each Delivery And Removal, Two Round Trips, Add	*4,599.49*	
		For Each Set-Up (Block And Level), Add	*2,342.74*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*233.49*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.93*	
		For Knockdown, Add	*2,338.06*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	41.23
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	25.77
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	30.92
01 52 13 00-0019	MO	Table For Field Office Trailer	20.61
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	9.76
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	113.37
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer	82.45
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	129.90
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	16.35
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	38.73
01 52 13 00-0026	MO	Steps For Field Office Trailer	72.05
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer	120.27
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer	44.17
01 52 13 00-0029	MO	Copier For Field Office Trailer	82.45

01 52 13 00-0030 Storage Containers *(01 52 13)*

01 52 13 00-0031	MO	8' x 8' x 10' Storage Container	140.03	
		For Each Delivery And Removal, Two Round Trips, Add	*116.51*	
		For >12 Months, Deduct	*-31.51*	
01 52 13 00-0032	MO	8' x 8' x 20' Storage Container	146.40	
		For Each Delivery And Removal, Two Round Trips, Add	*128.16*	
		For >12 Months, Deduct	*-32.94*	
01 52 13 00-0033	MO	8' x 8' x 40' Storage Container	173.13	
		For Each Delivery And Removal, Two Round Trips, Add	*258.11*	
		For >12 Months, Deduct	*-38.95*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes servicing once per week (unless task states otherwise).

01 52 19 00-0002	WK	Portable Chemical Toilet	72.68	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*57.54*	
01 52 19 00-0003	MO	Portable Chemical Toilet	218.05	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*57.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	86.69	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*57.54*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	254.39	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*57.54*	
01 52 19 00-0006	WK	Two Station Portable Handwash	56.43	
		For Each Delivery And Set-up, Add	*57.54*	
01 52 19 00-0007	MO	Two Station Portable Handwash	171.18	
		For Each Delivery And Set-up, Add	*57.54*	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	6,253.92	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	*1,226.21*	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,105.24	
		For One Additional Service Per Week, Add	*701.74*	
		Note: For one less service per week, UOM to be negative one (-1)		

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.54	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	38.78	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.83	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	29.08	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.83	0.59

01 54 Construction Aids *(01 50)*

01 54 09 Personnel Protection Equipment *(01 54)*

01 54 09 00-0001 Personnel Protection Equipment *(01 54 09)*

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00	
		Note: For specification publishing. Review specifications for requirements.		

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month	44.13	
		For Up To 25, Add	*17.65*	
		For >25 To 50, Add	*11.03*	
		For >50 To 150, Add	*4.41*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	49.62	
		For Up To 25, Add	*19.85*	
		For >25 To 50, Add	*12.41*	
		For >50 To 150, Add	*4.96*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month	66.19	
		For Up To 25, Add	*26.48*	
		For >25 To 50, Add	*16.55*	
		For >50 To 150, Add	*6.62*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	52.77
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	69.20
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	92.35
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	101.59
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	116.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set-up On Stairs, Per CCF Of Scaffolding And Accessories	73.89	

01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	70.43	
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month	129.12	
01 54 23 00-0016	LF	Aluminum Joists, Per LF / Month	11.45	
01 54 23 00-0017	LF	Aluminum Stringers, Per LF / Month	16.42	
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers, Per EA / Month	20.69	

01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0020	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	98.51	
01 54 23 00-0021	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	123.13	
01 54 23 00-0022	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	147.76	
01 54 23 00-0023	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	160.08	
01 54 23 00-0024	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	178.55	

01 54 23 00-0025 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	43.88	

01 54 23 00-0027 Rolling Scaffolding *(01 54 23)*

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0028	DAY	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	14.28	
01 54 23 00-0029	WK	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	57.23	
01 54 23 00-0030	MO	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	228.90	
01 54 23 00-0031	DAY	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	23.91	
01 54 23 00-0032	WK	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	95.76	
01 54 23 00-0033	MO	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	383.07	
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	116.49	
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	145.61	

01 54 23 00-0036 Shoring Posts *(01 54 23)*

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.15	
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.60	
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	25.81	
01 54 23 00-0040	EA	Initial Erection And Final Dismantling For Each Shoring Post	9.32	
		For >20 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.26*	
		For >100, Deduct	*-5.13*	

01 54 23 00-0041 Temporary Lumber, Single Use *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0042	SF	5/16" CD Grade Plywood, Temporary Lumber	2.84	
01 54 23 00-0043	SF	1/2" CD Grade Plywood, Temporary Lumber	3.23	
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber	3.50	
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber	3.83	
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber	5.52	
01 54 23 00-0047	LF	2" x 4" Temporary Lumber	3.82	
01 54 23 00-0048	LF	2" x 6" Temporary Lumber	4.87	
01 54 23 00-0049	LF	2" x 8" Temporary Lumber	5.91	
01 54 23 00-0050	LF	2" x 10" Temporary Lumber	6.96	
01 54 23 00-0051	LF	2" x 12" Temporary Lumber	8.01	
01 54 23 00-0052	LF	3" x 8" Temporary Lumber	8.01	
01 54 23 00-0053	LF	3" x 10" Temporary Lumber	9.57	
01 54 23 00-0054	LF	3" x 12" Temporary Lumber	11.15	
01 54 23 00-0055	LF	4" x 4" Temporary Lumber	5.23	
01 54 23 00-0056	LF	4" x 6" Temporary Lumber	7.54	
01 54 23 00-0057	LF	6" x 6" Temporary Lumber	9.85	
01 54 23 00-0058	LF	6" x 8" Temporary Lumber	12.81	
01 54 23 00-0059	LF	12" x 12" Temporary Lumber	31.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0060		**Temporary Precast Concrete Blocks** *(01 54 23)* Note: Includes removal after use.		
01 54 23 00-0061	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	128.23	
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	160.31	
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	210.91	

01 54 26 Temporary Swing Staging *(01 54)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001		**Swing Stage** *(01 54 26)* Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,095.78	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,250.57	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,405.36	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,560.15	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,714.94	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,869.73	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,024.52	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	892.71	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,115.89	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	4,965.90	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	6,900.97	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,611.18	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,636.99	

01 55 Vehicular Access and Parking *(01 50)*

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001		**Temporary Stabilized Construction Entrance** *(01 55 23)* Note: As per Caltrans detail.		
01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.50	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	4.59	
01 55 23 00-0004		**Rumble Trench Plate** *(01 55 23)*		
01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	413.50	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	102.16	
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	25.54	
01 55 23 00-0008		**Temporary Road Ramps (Godwin)** *(01 55 23)* Note: Excludes asphalt and gravel.		
01 55 23 00-0009	EA	4" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,076.31	227.92
01 55 23 00-0010	EA	6" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	6,911.35	341.89
01 55 23 00-0011	EA	8" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,549.95	455.84
01 55 23 00-0012	EA	12" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	19,822.38	569.81
01 55 23 00-0013	EA	24" Diameter Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,090.35	683.76

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001		**Temporary Removable Preformed Traffic Black Line Mask** *(01 55 26)* Note: Includes installation and removal after use.		
01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.41	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.53	
01 55 26 00-0004		**Temporary Preformed Traffic Line Tape** *(01 55 26)* Note: Includes installation and removal after use.		
01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	5.47	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	7.45	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	9.35	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0008		**Temporary Painted Traffic Lines** *(01 55 26)* Note: Includes installation and removal after use.		
01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	2.49	
		For Not Removed, Deduct	*-1.68*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	3.28	
		For Not Removed, Deduct	*-2.29*	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	4.12	
		For Not Removed, Deduct	*-2.92*	
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.41	
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.44	
01 55 26 00-0014		**Temporary Pedestrian Traffic Control** *(01 55 26)*		
01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.28	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.79	
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.77	
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	10.78	
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.76	
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	16.20	
01 55 26 00-0021	CLF	1" Exterior Vinyl Warning Tape	13.43	
01 55 26 00-0022	CLF	2" Exterior Vinyl Warning Tape	18.88	
01 55 26 00-0023	CLF	3" Exterior Vinyl Warning Tape	23.77	
01 55 26 00-0024	CLF	4" Exterior Vinyl Warning Tape	27.81	
01 55 26 00-0025		**Linear Delineation System, Temporary Or Permanent** *(01 55 26)* Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026	LF	4" Linear Delineation System	11.71	
01 55 26 00-0027	LF	6" Linear Delineation System	15.85	
01 55 26 00-0028		**Temporary Traffic Protection** *(01 55 26)*		
01 55 26 00-0029		**Temporary Portable Traffic Control Device Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for Initial delivery, placement and final removal of temporary traffic devices, 01 55 26 00-0151 for daily (or as needed) placement and removal of temporary traffice devices.		
01 55 26 00-0030	DAY	28" Cone With Reflective Collar	0.89	
01 55 26 00-0031	WK	28" Cone With Reflective Collar	2.66	
01 55 26 00-0032	MO	28" Cone With Reflective Collar	7.99	
01 55 26 00-0033	DAY	Vertical Panel	2.68	
01 55 26 00-0034	WK	Vertical Panel	8.04	
01 55 26 00-0035	MO	Vertical Panel	24.13	
01 55 26 00-0036	DAY	Channelizer Drum	2.91	
01 55 26 00-0037	WK	Channelizer Drum	8.73	
01 55 26 00-0038	MO	Channelizer Drum	26.20	
01 55 26 00-0039	DAY	Stackable Channelizer Panel	1.38	
01 55 26 00-0040	WK	Stackable Channelizer Panel	4.13	
01 55 26 00-0041	MO	Stackable Channelizer Panel	12.39	
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.91	
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.72	
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.16	
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.23	
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.68	
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	38.03	
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.82	
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.45	
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	43.34	
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.81	
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	26.43	
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	79.28	
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade	4.83	
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade	14.49	
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade	43.48	
01 55 26 00-0057	DAY	Type A Or C Flasher	0.98	
01 55 26 00-0058	WK	Type A Or C Flasher	2.95	
01 55 26 00-0059	MO	Type A Or C Flasher	8.86	
01 55 26 00-0060	DAY	Type B High Intensity Flasher	5.34	
01 55 26 00-0061	WK	Type B High Intensity Flasher	16.02	
01 55 26 00-0062	MO	Type B High Intensity Flasher	48.07	
01 55 26 00-0063		**Temporary Traffic Barriers Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for delivery, placing and removal.		
01 55 26 00-0064	DAY	6' Long Portable Parking Curbs	2.30	
01 55 26 00-0065	WK	6' Long Portable Parking Curbs	6.90	
01 55 26 00-0066	MO	6' Long Portable Parking Curbs	20.71	
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps	6.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0068	WK	6' Long Portable Speed Bumps	20.42	
01 55 26 00-0069	MO	6' Long Portable Speed Bumps	61.28	
01 55 26 00-0070	DAY	8' To 12.5' Concrete Traffic Barrier	16.36	
01 55 26 00-0071	WK	8' To 12.5' Concrete Traffic Barrier	49.07	
01 55 26 00-0072	MO	8' To 12.5' Concrete Traffic Barrier	147.21	
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier	32.71	
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier	98.14	
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier	294.42	
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier	19.53	
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier	58.60	
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier	175.80	
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier	27.89	
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier	83.67	
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier	251.02	
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels	10.92	
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels	32.75	
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels	98.25	
01 55 26 00-0085	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system.	1,549.20	

01 55 26 00-0086 Temporary Portable Signs And Message Displays Usage *(01 55 26 00-0028)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for delivery, placing and removal.

01 55 26 00-0087	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.57	
01 55 26 00-0088	WK	Mesh Or Vinyl Roll-up Sign With Stand	25.71	
01 55 26 00-0089	MO	Mesh Or Vinyl Roll-up Sign With Stand	77.14	
01 55 26 00-0090	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	3.33	
01 55 26 00-0091	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	9.98	
01 55 26 00-0092	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	29.95	
01 55 26 00-0093	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	4.58	
01 55 26 00-0094	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	13.74	
01 55 26 00-0095	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	41.21	
01 55 26 00-0096	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	4.07	
01 55 26 00-0097	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	12.20	
01 55 26 00-0098	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	36.59	
01 55 26 00-0099	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	5.00	
01 55 26 00-0100	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	14.99	
01 55 26 00-0101	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	44.98	
01 55 26 00-0102	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	5.84	
01 55 26 00-0103	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	17.51	
01 55 26 00-0104	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	52.53	
01 55 26 00-0105	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	6.68	
01 55 26 00-0106	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	20.03	
01 55 26 00-0107	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	60.08	
01 55 26 00-0108	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand	7.52	
01 55 26 00-0109	WK	48" x 36" Aluminum Construction Sign, With Portable Stand	22.55	
01 55 26 00-0110	MO	48" x 36" Aluminum Construction Sign, With Portable Stand	67.64	
01 55 26 00-0111	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand	9.19	
01 55 26 00-0112	WK	48" x 48" Aluminum Construction Sign, With Portable Stand	27.58	
01 55 26 00-0113	MO	48" x 48" Aluminum Construction Sign, With Portable Stand	82.74	
01 55 26 00-0114	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	9.16	
01 55 26 00-0115	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	27.47	
01 55 26 00-0116	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	82.41	
01 55 26 00-0117	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	10.21	
01 55 26 00-0118	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	30.62	
01 55 26 00-0119	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	91.85	
01 55 26 00-0120	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	11.25	
01 55 26 00-0121	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	33.76	
01 55 26 00-0122	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	101.29	
01 55 26 00-0123	DAY	Aluminum Sign And Post	4.76	
01 55 26 00-0124	WK	Aluminum Sign And Post	14.28	
01 55 26 00-0125	MO	Aluminum Sign And Post	42.84	
01 55 26 00-0126	DAY	Trailer Mounted Flashing Arrow Board	177.00	
01 55 26 00-0127	WK	Trailer Mounted Flashing Arrow Board	489.91	
01 55 26 00-0128	MO	Trailer Mounted Flashing Arrow Board	1,295.89	
01 55 26 00-0129	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	303.66	
01 55 26 00-0130	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	809.76	
01 55 26 00-0131	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,619.52	
01 55 26 00-0132	DAY	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,457.96	
01 55 26 00-0133	WK	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,373.88	
01 55 26 00-0134	MO	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,121.64	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 55 26 00-0135 Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Protection Using Truck *(01 55 26 00-0028)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 55 26 00-0151 for daily (or as needed) placement and removal of temporary traffice devices, 01 74 19 00-0039 for delivery >15 miles.

01 55 26 00-0136	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Cones Using Truck	4.02	
01 55 26 00-0137	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Cones Using Truck	3.52	
01 55 26 00-0138	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Panels/Channelizers Using Truck	6.65	
01 55 26 00-0139	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Panels/Channelizers Using Truck	5.54	
01 55 26 00-0140	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Barricades Using Truck	10.07	
01 55 26 00-0141	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Barricades Using Truck	8.05	
01 55 26 00-0142	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Curbs/Speed Bumps Using Truck	10.07	
01 55 26 00-0143	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Portable Sign And Stand Using Truck	6.04	
01 55 26 00-0144	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Aluminum Sign And Post Using Truck	25.17	
01 55 26 00-0145	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Trailer Mounted Boards And Signals Using Truck	75.50	
01 55 26 00-0146	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary 8' To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	102.16	
		For 1 Barrier, Add	*255.40*	
		For 2 Barriers, Add	*91.94*	
		For 3 Barriers, Add	*30.65*	
01 55 26 00-0147	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary >12.5' To 20' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	153.24	
		For 1 Barrier, Add	*383.10*	
		For 2 Barriers, Add	*137.92*	
		For 3 Barriers, Add	*45.97*	
01 55 26 00-0148	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Plastic Water Barrier Note: Includes additional water as needed. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	58.55	
		For 1 Barrier, Add	*127.70*	
		For 2 Barriers, Add	*45.97*	
		For 3 Barriers, Add	*15.32*	
01 55 26 00-0149	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	76.62	
		For 1 Barrier, Add	*191.55*	
		For 2 Barriers, Add	*68.96*	
		For 3 Barriers, Add	*22.99*	
01 55 26 00-0150	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	561.87	

01 55 26 00-0151 Placement And Remove Temporary Traffic Protection From Roadside Or Work Area (Daily Or As Required) *(01 55 26 00-0028)*

01 55 26 00-0152	EA	Placement And Removal Of Up To 250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.52	
01 55 26 00-0153	EA	Placement And Removal Of >250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.01	
01 55 26 00-0154	EA	Placement And Removal Of Up To 250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	3.36	
01 55 26 00-0155	EA	Placement And Removal Of >250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	2.68	
01 55 26 00-0156	EA	Placement And Removal Of Up To 250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	5.04	
01 55 26 00-0157	EA	Placement And Removal Of >250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	4.02	
01 55 26 00-0158	EA	Placement And Removal Of Temporary Traffic Portable Sign And Stand From Roadside Or Work Area	2.99	
01 55 26 00-0159	EA	Placement And Removal Of Temporary Traffic Trailer Mounted Boards And Signals From Roadside Or Work Area	37.74	
01 55 26 00-0160	EA	Relocation Of Temporary Traffic Concrete Traffic Barrier From Roadside Or Work Area Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	51.08	

01 55 26 00-0161 Place And Remove Temporary Signs For Detours *(01 55 26 00-0028)*

01 55 26 00-0162 Temporary Reflectorized Signs For Detours *(01 55 26 00-0161)*

Note: Excludes posts.

01 55 26 00-0163 Temporary Aluminum Engineer Grade Stop Signs For Detours *(01 55 26 00-0162)*

01 55 26 00-0164	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	94.70	
		For Hi-Intensity Grade, Add	*9.53*	
		For Diamond Grade, Add	*18.10*	
01 55 26 00-0165	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	107.96	
		For Hi-Intensity Grade, Add	*12.46*	
		For Diamond Grade, Add	*23.67*	
01 55 26 00-0166	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	116.36	
		For Hi-Intensity Grade, Add	*19.03*	
		For Diamond Grade, Add	*30.17*	
01 55 26 00-0167	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	132.88	
		For Hi-Intensity Grade, Add	*7.13*	
		For Diamond Grade, Add	*38.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0168	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	172.20	
		For Hi-Intensity Grade, Add	*20.96*	
		For Diamond Grade, Add	*65.73*	

01 55 26 00-0169 Other Temporary Reflectorized Traffic Signs For Detours *(01 55 26 00-0162)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

01 55 26 00-0170 Temporary Aluminum Engineer Grade Traffic Signs For Detours *(01 55 26 00-0169)*

01 55 26 00-0171	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	63.82	
		For Hi-Intensity Grade, Add	*2.36*	
01 55 26 00-0172	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	67.75	
		For Hi-Intensity Grade, Add	*3.54*	
01 55 26 00-0173	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	67.75	
		For Hi-Intensity Grade, Add	*3.54*	
01 55 26 00-0174	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	70.70	
		For Hi-Intensity Grade, Add	*4.43*	
01 55 26 00-0175	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	73.65	
		For Hi-Intensity Grade, Add	*5.31*	
01 55 26 00-0176	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	83.05	
		For Hi-Intensity Grade, Add	*7.08*	
01 55 26 00-0177	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	106.65	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0178	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	71.68	
		For Hi-Intensity Grade, Add	*4.72*	
01 55 26 00-0179	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	83.05	
		For Hi-Intensity Grade, Add	*7.08*	
01 55 26 00-0180	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	90.91	
		For Hi-Intensity Grade, Add	*9.44*	
01 55 26 00-0181	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	98.78	
		For Hi-Intensity Grade, Add	*11.80*	
01 55 26 00-0182	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	106.65	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0183	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	94.85	
		For Hi-Intensity Grade, Add	*10.62*	
01 55 26 00-0184	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	106.65	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0185	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	121.95	
		For Hi-Intensity Grade, Add	*17.70*	
01 55 26 00-0186	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	133.75	
		For Hi-Intensity Grade, Add	*21.24*	
01 55 26 00-0187	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	183.13	
		For Hi-Intensity Grade, Add	*31.86*	
01 55 26 00-0188	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	125.88	
		For Hi-Intensity Grade, Add	*18.88*	
01 55 26 00-0189	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	141.61	
		For Hi-Intensity Grade, Add	*23.60*	
01 55 26 00-0190	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	157.34	
		For Hi-Intensity Grade, Add	*28.32*	
01 55 26 00-0191	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	187.07	
		For Hi-Intensity Grade, Add	*33.04*	
01 55 26 00-0192	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	202.80	
		For Hi-Intensity Grade, Add	*37.76*	
01 55 26 00-0193	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	218.53	
		For Hi-Intensity Grade, Add	*42.48*	
01 55 26 00-0194	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	161.28	
		For Hi-Intensity Grade, Add	*29.50*	
01 55 26 00-0195	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	194.93	
		For Hi-Intensity Grade, Add	*35.40*	
01 55 26 00-0196	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	214.60	
		For Hi-Intensity Grade, Add	*41.30*	
01 55 26 00-0197	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	248.25	
		For Hi-Intensity Grade, Add	*47.20*	
01 55 26 00-0198	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	301.56	
		For Hi-Intensity Grade, Add	*59.00*	
01 55 26 00-0199	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	218.53	
		For Hi-Intensity Grade, Add	*42.48*	
01 55 26 00-0200	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	256.12	
		For Hi-Intensity Grade, Add	*49.56*	
01 55 26 00-0201	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	293.70	
		For Hi-Intensity Grade, Add	*56.64*	
01 55 26 00-0202	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	317.30	
		For Hi-Intensity Grade, Add	*63.72*	
01 55 26 00-0203	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	354.89	
		For Hi-Intensity Grade, Add	*70.80*	
01 55 26 00-0204	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	420.01	
		For Hi-Intensity Grade, Add	*86.14*	
01 55 26 00-0205	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	439.67	
		For Hi-Intensity Grade, Add	*92.03*	
01 55 26 00-0206	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	578.64	
		For Hi-Intensity Grade, Add	*127.43*	
01 55 26 00-0207	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	297.63	
		For Hi-Intensity Grade, Add	*57.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0208	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	370.62	
		For Hi-Intensity Grade, Add	*75.52*	
01 55 26 00-0209	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	416.07	
		For Hi-Intensity Grade, Add	*84.95*	
01 55 26 00-0210	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	447.54	
		For Hi-Intensity Grade, Add	*94.40*	
01 55 26 00-0211	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	499.98	
		For Hi-Intensity Grade, Add	*103.83*	
01 55 26 00-0212	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	531.45	
		For Hi-Intensity Grade, Add	*113.27*	
01 55 26 00-0213	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	608.37	
		For Hi-Intensity Grade, Add	*132.15*	
01 55 26 00-0214	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	671.30	
		For Hi-Intensity Grade, Add	*151.03*	
01 55 26 00-0215	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	702.76	
		For Hi-Intensity Grade, Add	*160.47*	
01 55 26 00-0216	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	741.23	
		For Hi-Intensity Grade, Add	*169.91*	
01 55 26 00-0217	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	639.83	
		For Hi-Intensity Grade, Add	*141.59*	
01 55 26 00-0218	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	992.94	
		For Hi-Intensity Grade, Add	*245.42*	

01 55 26 00-0219 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0161)*

Note: Including horizontal Z-bars.

01 55 26 00-0220	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
		For Over 10' High, Add	*13.00*	

01 55 26 00-0221 Temporary Sign Posts For Detours *(01 55 26 00-0161)*

Note: Excludes sign.

01 55 26 00-0222 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0221)*

Note: Excludes digging and concrete.

01 55 26 00-0223 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0222)*

01 55 26 00-0224	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	84.37	
01 55 26 00-0225	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	109.71	
01 55 26 00-0226	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	131.12	
01 55 26 00-0227	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	153.42	
01 55 26 00-0228	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	185.34	
01 55 26 00-0229	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	196.85	

01 55 26 00-0230 Temporary Galvanized Steel U-Channel Sign Posts For Detours *(01 55 26 00-0222)*

01 55 26 00-0231	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	89.97	
01 55 26 00-0232	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	118.59	
01 55 26 00-0233	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	151.21	
01 55 26 00-0234	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	175.62	
01 55 26 00-0235	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	201.51	
01 55 26 00-0236	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	210.91	

01 55 26 00-0237 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours *(01 55 26 00-0222)*

01 55 26 00-0238	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	83.05	
01 55 26 00-0239	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	106.84	
01 55 26 00-0240	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	127.66	
01 55 26 00-0241	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	149.29	
01 55 26 00-0242	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	177.85	
01 55 26 00-0243	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	192.41	

01 55 26 00-0244 Temporary Tubular Sign Posts For Detours *(01 55 26 00-0221)*

Note: Excludes digging and concrete.

01 55 26 00-0245 Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours *(01 55 26 00-0244)*

01 55 26 00-0246	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	119.51	
01 55 26 00-0247	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	142.09	
01 55 26 00-0248	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	167.48	
01 55 26 00-0249	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	213.66	
01 55 26 00-0250	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	231.29	

01 55 26 00-0251 Temporary Square Sign Posts For Detours *(01 55 26 00-0221)*

Note: Excludes digging and concrete.

01 55 26 00-0252 Temporary Galvanized Steel Square Sign Posts For Detours *(01 55 26 00-0251)*

01 55 26 00-0253	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	91.21	
01 55 26 00-0254	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	139.63	
01 55 26 00-0255	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	164.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0256	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	191.64	
01 55 26 00-0257	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	233.83	
01 55 26 00-0258	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	251.62	
01 55 26 00-0259		Temporary Breakaway Sign Posts And Bases For Detours *(01 55 26 00-0161)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0260		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0261		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0260)*		
01 55 26 00-0262	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	105.92	
01 55 26 00-0263	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	66.29	
01 55 26 00-0264		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0260)*		
01 55 26 00-0265	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	12.39	
01 55 26 00-0266		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0267		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0266)*		
01 55 26 00-0268	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	109.40	
01 55 26 00-0269	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	66.29	
01 55 26 00-0270		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours *(01 55 26 00-0266)*		
01 55 26 00-0271	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	14.55	
01 55 26 00-0272		Temporary Driven Sign Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0273		Temporary Driven Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0272)*		
01 55 26 00-0274	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.25	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0275		Temporary Driven Posts, 4 Lb./LF For Detours *(01 55 26 00-0272)*		
01 55 26 00-0276	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.35	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0277		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0259)*		
01 55 26 00-0278		Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0277)*		
		Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0279	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,190.64	
01 55 26 00-0280	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,268.82	
01 55 26 00-0281	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	869.85	
01 55 26 00-0282	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	761.86	
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	863.85	
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	821.86	
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	772.64	
01 55 26 00-0286		Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0277)*		
		Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	426.73	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	447.43	
01 55 26 00-0289	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	464.62	
01 55 26 00-0290	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	705.50	
01 55 26 00-0291	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	61.95	
01 55 26 00-0292	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	82.59	
01 55 26 00-0293		Temporary Rumble Strips *(01 55 26)*		
		Note: Includes removal after use.		
01 55 26 00-0294	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	13.98	
01 55 26 00-0295	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.06	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16		**Temporary Dust Barriers** *(01 56)*		
01 56 16 00-0001		Temporary Sheeting For Protection *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.40	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.52	
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.68	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.68	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.49	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.61	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.77	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.73	
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.95	
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.52	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.64	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.80	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.76	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.51	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.63	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.79	
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.75	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.58	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.70	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.86	
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.82	
01 56 16 00-0023		Accessories For Temporary Sheeting *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0024	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	25.49	
01 56 16 00-0025	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	10.10	
01 56 16 00-0026		Temporary Critical Barriers For Protection *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0027	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	13.93	
01 56 16 00-0028	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	21.11	
01 56 16 00-0029	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	28.36	
01 56 16 00-0030	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	44.30	
01 56 16 00-0031		Temporary Stud Wall *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0032		Temporary Stud Wall With Drywall *(01 56 16 00-0031)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0033		Temporary Stud Wall With Drywall *(01 56 16 00-0032)*		
01 56 16 00-0034	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.31	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0035	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.31	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0036	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.42	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0037	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.13	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0038	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.13	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0039	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.36	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	

01 56 16 00-0040 Temporary Stud Wall With Fire Rated Drywall *(01 56 16 00-0032)*

01 56 16 00-0041	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.44	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0042	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.48	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0043	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.41	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0044	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.29	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0045	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.39	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0046	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.47	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0047	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.33	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0048	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	12.10	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	

01 56 16 00-0049 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0031)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0050	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.15	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0051	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.19	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0052	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.33	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0053	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.40	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0054	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.81	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0055	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.90	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0056	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.18	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0057	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.33	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	

01 56 16 00-0058 Temporary Stud Wall With BC Plywood *(01 56 16 00-0031)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0059	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.47	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0060	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.65	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0061	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.80	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0062	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.94	
		For Metal Studs 24" On Center, Add/Deduct	*1.08*	
01 56 16 00-0063	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.46	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0064	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.82	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0065	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.11	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0066	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.40	
		For Metal Studs 24" On Center, Add/Deduct	*1.19*	
01 56 16 00-0067		**Temporary Stud Wall With Plastic Sheeting** *(01 56 16 00-0031)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0068	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.17	
		For Metal Studs 24" On Center, Add/Deduct	*0.94*	
01 56 16 00-0069	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.26	
		For Metal Studs 24" On Center, Add/Deduct	*0.94*	
01 56 16 00-0070	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.28	
		For Metal Studs 24" On Center, Add/Deduct	*0.94*	
01 56 16 00-0071	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.27	
		For Metal Studs 24" On Center, Add/Deduct	*0.94*	
01 56 16 00-0072	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.35	
		For Metal Studs 24" On Center, Add/Deduct	*0.94*	
01 56 16 00-0073		**Temporary Doors** *(01 56 16 00-0031)* Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0074	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	673.05	
01 56 16 00-0075		**Temporary Floor Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0076	SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	1.89	
01 56 16 00-0077	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	1.99	
01 56 16 00-0078	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.24	
01 56 16 00-0079	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	0.90	
01 56 16 00-0080	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.35	
01 56 16 00-0081	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film Note: Includes removal after use.	28.09	
01 56 16 00-0082	SF	Burlap For Temporary Floor Protection Note: Includes removal after use.	0.76	
01 56 16 00-0083	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.64	
		For Seam Tape, Add Per LF	*0.27*	
01 56 16 00-0084	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.74	
		For Seam Tape, Add Per LF	*0.27*	
01 56 16 00-0085		**Sticky Mats** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0086	EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	38.78	
		For 60 Layers Instead Of 30, Add	*25.58*	
01 56 16 00-0087	EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	44.47	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0088	EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	44.47	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0089	EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	58.68	
		For 60 Layers Instead Of 30, Add	*40.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0090	EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	64.37	
		For 60 Layers Instead Of 30, Add	*44.78*	
01 56 16 00-0091	EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	70.05	
		For 60 Layers Instead Of 30, Add	*49.04*	
01 56 16 00-0092	EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	141.13	
		For 60 Layers Instead Of 30, Add	*102.35*	
01 56 16 00-0093	EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	168.42	

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001 Temporary Fencing *(01 56 26)*

Note: Per ASTM A392-06 Standards

01 56 26 00-0002 Temporary Chain Link Fence *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete.

01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.30	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	8.13	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	11.29	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.02*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	25.19	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-3.04*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months *(01 56 26 00-0002)*

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.67	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.59*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.53	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	11.96	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.12*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	27.21	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.34*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months *(01 56 26 00-0002)*

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	8.07	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	8.99	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.72	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.24*	
		For Each LF Shade Cloth, Add	*3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	29.44	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-3.67*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months *(01 56 26 00-0002)*

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	8.49	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.71*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	9.44	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.80*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	13.53	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.36*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	31.88	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-4.04*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	297.53	
		For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	503.23	
		For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	564.06	
		For Each LF Shade Cloth, Add	*50.98*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	641.66	
		For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	769.38	
		For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	855.51	
		For Each LF Shade Cloth, Add	*101.96*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	318.13	
		For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	542.62	
		For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	609.47	
		For Each LF Shade Cloth, Add	*81.25*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	705.27	
		For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	852.97	
		For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	966.08	
		For Each LF Shade Cloth, Add	*162.49*	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	354.98	
		For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	620.68	
		For Shade Cloth, Add	*95.58*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	694.87	
		For Shade Cloth, Add	*114.70*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	794.81	
		For Shade Cloth, Add	*143.38*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	971.37	
		For Shade Cloth, Add	*191.17*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,124.19	
		For Shade Cloth, Add	*229.40*	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	430.76	
		For Each LF Shade Cloth, Add	*50.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	745.76	
		For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	836.55	
		For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	955.51	
		For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,168.05	
		For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,345.76	
		For Each LF Shade Cloth, Add	*302.68*	

01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*

01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	308.91	
		For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	520.93	
		For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	584.28	
		For Each LF Shade Cloth, Add	*50.98*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	664.42	
		For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	797.20	
		For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	885.86	
		For Each LF Shade Cloth, Add	*101.96*	

01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	330.03	
		For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	561.12	
		For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	630.62	
		For Each LF Shade Cloth, Add	*81.25*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	729.06	
		For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	882.05	
		For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	997.80	
		For Each LF Shade Cloth, Add	*162.49*	

01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	368.06	
		For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	641.03	
		For Shade Cloth, Add	*95.58*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	718.14	
		For Shade Cloth, Add	*114.70*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	820.99	
		For Shade Cloth, Add	*143.38*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,003.36	
		For Shade Cloth, Add	*191.17*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,159.09	
		For Shade Cloth, Add	*229.40*	

01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	447.11	
		For Each LF Shade Cloth, Add	*50.45*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	771.21	
		For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	865.63	
		For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	988.23	
		For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,208.04	
		For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,389.38	
		For Each LF Shade Cloth, Add	*302.68*	

01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0023)*

01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	320.85	
		For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	539.51	
		For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	605.53	
		For Each LF Shade Cloth, Add	*50.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0087		EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	688.32	
			For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0088		EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	826.40	
			For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0089		EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	917.72	
			For Each LF Shade Cloth, Add	*101.96*	
01 56 26 00-0090			**6' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0091		EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	342.52	
			For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0092		EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	580.55	
			For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0093		EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	652.83	
			For Each LF Shade Cloth, Add	*81.25*	
01 56 26 00-0094		EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	754.05	
			For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0095		EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	912.59	
			For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0096		EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,031.11	
			For Each LF Shade Cloth, Add	*162.49*	
01 56 26 00-0097			**8' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0098		EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	381.80	
			For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0099		EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	662.40	
			For Shade Cloth, Add	*95.58*	
01 56 26 00-0100		EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	742.57	
			For Shade Cloth, Add	*114.70*	
01 56 26 00-0101		EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	848.47	
			For Shade Cloth, Add	*143.38*	
01 56 26 00-0102		EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,036.95	
			For Shade Cloth, Add	*191.17*	
01 56 26 00-0103		EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,195.73	
			For Shade Cloth, Add	*229.40*	
01 56 26 00-0104			**10' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0105		EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	464.29	
			For Each LF Shade Cloth, Add	*50.45*	
01 56 26 00-0106		EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	797.93	
			For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0107		EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	896.17	
			For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0108		EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,022.58	
			For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0109		EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,250.02	
			For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0110		EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,435.18	
			For Each LF Shade Cloth, Add	*302.68*	
01 56 26 00-0111			**Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0023)*		
01 56 26 00-0112			**4' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0113		EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	332.80	
			For Each LF Shade Cloth, Add	*16.99*	
01 56 26 00-0114		EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	558.10	
			For Each LF Shade Cloth, Add	*42.48*	
01 56 26 00-0115		EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	626.77	
			For Each LF Shade Cloth, Add	*50.98*	
01 56 26 00-0116		EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	712.21	
			For Each LF Shade Cloth, Add	*63.72*	
01 56 26 00-0117		EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	855.61	
			For Each LF Shade Cloth, Add	*84.96*	
01 56 26 00-0118		EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	949.58	
			For Each LF Shade Cloth, Add	*101.96*	
01 56 26 00-0119			**6' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0120		EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	355.01	
			For Each LF Shade Cloth, Add	*27.08*	
01 56 26 00-0121		EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	599.98	
			For Each LF Shade Cloth, Add	*67.71*	
01 56 26 00-0122		EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	675.03	
			For Each LF Shade Cloth, Add	*81.25*	
01 56 26 00-0123		EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	779.03	
			For Each LF Shade Cloth, Add	*101.56*	
01 56 26 00-0124		EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	943.12	
			For Each LF Shade Cloth, Add	*135.41*	
01 56 26 00-0125		EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,064.42	
			For Each LF Shade Cloth, Add	*162.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0126		**8' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	395.54	
		For Each LF Shade Cloth, Add	*38.23*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	683.78	
		For Shade Cloth, Add	*95.58*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	766.99	
		For Shade Cloth, Add	*114.70*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	875.95	
		For Shade Cloth, Add	*143.38*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,070.53	
		For Shade Cloth, Add	*191.17*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,232.37	
		For Shade Cloth, Add	*229.40*	
01 56 26 00-0133		**10' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	481.46	
		For Each LF Shade Cloth, Add	*50.45*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	824.64	
		For Each LF Shade Cloth, Add	*126.12*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	926.70	
		For Each LF Shade Cloth, Add	*151.34*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,056.93	
		For Each LF Shade Cloth, Add	*189.18*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,292.00	
		For Each LF Shade Cloth, Add	*252.23*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,480.98	
		For Each LF Shade Cloth, Add	*302.68*	
01 56 26 00-0140		**Temporary Chain Link Fence Panels (Portable)** *(01 56 26 00-0001)*		
		Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141		**Temporary Chain Link Fence Panels (Portable), Up To 6 Months** *(01 56 26 00-0140)*		
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	8.00	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.64*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	8.89	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.72*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	12.20	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.16*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0145		**Temporary Chain Link Fence Panels (Portable), >6 To 12 Months** *(01 56 26 00-0140)*		
01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.37	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.70*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.29	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.78*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.88	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.26*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0149		**Temporary Chain Link Fence Panels (Portable), >12 To 18 Months** *(01 56 26 00-0140)*		
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.74	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.75	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
		For Each LF Shade Cloth, Add	*2.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.64	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	9.20	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.82*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	10.21	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.92*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	14.43	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.49*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	6.98	

01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*

01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	4.02	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	6.02	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	8.70	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	10.70	

01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*

01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.93	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.12	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.25	

01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*

01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	121.21	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	139.87	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	172.50	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	186.49	

01 56 26 00-0174 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.60	

01 56 29 Temporary Protective Walkways *(01 56)*

01 56 29 00-0001 Temporary Sidewalk Bridge Protection *(01 56 29)*

01 56 29 00-0002 Installation of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.

01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	197.02	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	5.02	

01 56 29 00-0005 Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.

01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	15.49	
		For 3 Post System, Add	*2.32*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	17.45	
		For 3 Post System, Add	*2.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.38	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.91*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.38	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.91*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	21.30	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.20*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	25.21	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.78*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	23.28	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.49*	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	27.15	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.07*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.05	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.36*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.90	
01 56 29 00-0016		Removal of Sidewalk Bridge *(01 56 29 00-0001)*		
01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	41.01	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.39	
01 56 29 00-0019		Temporary Safety Nets *(01 56 29)*		
		Note: Includes removal after use.		
01 56 29 00-0020	SF	Small Mesh Debris Netting	2.92	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33		**Temporary Security Barriers** *(01 56)*		
01 56 33 00-0001		Board-up Opening With Plywood *(01 56 33)*		
		Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	13.99	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.87	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.27	
01 56 33 00-0005		Temporary Pedestrian Barricade *(01 56 33)*		
		Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.47	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	35.15	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	105.44	
01 56 39		**Temporary Tree and Plant Protection** *(01 56)*		
01 56 39 00-0001		Temporary Tree Guards *(01 56 39)*		
		Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	204.96	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	243.50	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	264.74	

01 57 Temporary Controls *(01 50)*

01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*

Note: Includes removal after use.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 23 00-0002		EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	112.52	
01 57 23 00-0003		EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.	110.40	
01 57 23 00-0004		EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.	140.35	
01 57 23 00-0005		EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	138.20	
01 57 23 00-0006		EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	170.31	

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	162.73	25.65
		For High-Intensity Grade, Add	*39.00*	
		For Diamond Grade, Add	*75.22*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	276.49	26.81
		For High-Intensity Grade, Add	*78.00*	
		For Diamond Grade, Add	*150.44*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	390.26	27.97
		For High-Intensity Grade, Add	*117.01*	
		For Diamond Grade, Add	*225.66*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	504.03	29.14
		For High-Intensity Grade, Add	*156.01*	
		For Diamond Grade, Add	*300.87*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.80	0.93
		For High-Intensity Grade, Add	*4.88*	
		For Diamond Grade, Add	*9.40*	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	209.35	25.65
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	249.41	26.81
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	311.90	27.97
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	370.93	29.14
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.64	0.93

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	213.80	25.65
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	273.40	26.81
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	336.28	27.97
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	391.82	29.14
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.29	0.93

01 58 13 00-0023 Fabricate And Install New Posts *(01 58 13 00-0001)*

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	19.38	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	15.03	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	18.02	

01 58 13 00-0027 Owner Supplied Signs *(01 58 13 00-0001)*

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	93.26	

01 60 Product Requirements *(01)*

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	17.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.66	

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.28	

01 66 19 00-0006 Transfer Demolition Debris Between Floors *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	17.93	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.66	

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.28	

01 66 19 00-0011 Moving Furniture And Furnishings *(01 66 19)*

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.16	

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.

01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	495.77	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,538.49	

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	528.82	
		For >30 To 60 Miles Radius, Add	*132.21*	
		For >60 To 100 Miles Radius, Add	*211.53*	
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	859.34	
		For >30 To 60 Miles Radius, Add	*214.84*	
		For >60 To 100 Miles Radius, Add	*343.74*	
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,189.85	
		For >30 To 60 Miles Radius, Add	*297.46*	
		For >60 To 100 Miles Radius, Add	*475.94*	
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,916.97	
		For >30 To 60 Miles Radius, Add	*479.24*	
		For >60 To 100 Miles Radius, Add	*766.79*	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,406.13	
		For >30 To 60 Miles Radius, Add	*601.53*	
		For >60 To 100 Miles Radius, Add	*962.45*	
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,994.45	
		For >30 To 60 Miles Radius, Add	*748.61*	
		For >60 To 100 Miles Radius, Add	*1,197.78*	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,450.56	
		For >30 To 60 Miles Radius, Add	*862.64*	
		For >60 To 100 Miles Radius, Add	*1,380.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,860.39	
		For >30 To 60 Miles Radius, Add	*965.10*	
		For >60 To 100 Miles Radius, Add	*1,544.16*	
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,049.18	
		For >30 To 60 Miles Radius, Add	*512.30*	
		For >60 To 100 Miles Radius, Add	*819.67*	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,239.03	
		For >30 To 60 Miles Radius, Add	*809.76*	
		For >60 To 100 Miles Radius, Add	*1,295.61*	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,098.37	
		For >30 To 60 Miles Radius, Add	*1,024.59*	
		For >60 To 100 Miles Radius, Add	*1,639.35*	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,089.91	
		For >30 To 60 Miles Radius, Add	*1,272.48*	
		For >60 To 100 Miles Radius, Add	*2,035.96*	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,345.85	
		For >30 To 60 Miles Radius, Add	*1,586.46*	
		For >60 To 100 Miles Radius, Add	*2,538.34*	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,403.50	
		For >30 To 60 Miles Radius, Add	*1,850.88*	
		For >60 To 100 Miles Radius, Add	*2,961.40*	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	10,576.42	
		For >30 To 60 Miles Radius, Add	*2,644.11*	
		For >60 To 100 Miles Radius, Add	*4,230.57*	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	14,502.92	
		For >30 To 60 Miles Radius, Add	*3,625.73*	
		For >60 To 100 Miles Radius, Add	*5,801.17*	

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001 Conventional Topographic Survey *(01 71 23 16)*

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,335.04
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	3,739.92
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,371.69
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	8,069.59
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings)	10,099.88

01 71 23 16-0007 Property Lines Survey *(01 71 23 16)*

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	2.97
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.44
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	4.03

01 71 23 16-0011 Survey Monument *(01 71 23 16)*

01 71 23 16-0012	EA	3' Precast Survey Monument	209.40
		For Owner Furnished Monument, Deduct	*-83.86*
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	313.41
01 71 23 16-0014	EA	Riser Ring For Survey Monument	161.53
01 71 23 16-0015	EA	Reset/Relocate/Adjust Survey Monument Cover To Grade	251.58

01 71 23 16-0016 Facade Surveying *(01 71 23 16)*

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.18

01 71 23 16-0018 Utility Survey *(01 71 23 16)*

Note: This survey is only for the location of underground utilities.

01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	6,883.30

01 71 36 Non-Destructive Concrete Examination *(01 71)*

01 71 36 00-0001 Electromagnetic Survey *(01 71 36)*

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0002		**Electromagnetic (SIR/GPR) Survey** *(01 71 36 00-0001)*		
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,161.90	
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,742.85	
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,485.70	
01 71 36 00-0006		**Reports And Mapping For Electromagnetic (SIR/GPR) Surveys** *(01 71 36 00-0001)*		
01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	387.30	
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	774.60	
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,742.85	

01 74 Cleaning and Waste Management *(01 70)*

01 74 13 Progress Cleaning *(01 74)*

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001		**General** *(01 74 13)*		
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	23.34	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	27.32	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001		**Parking Lot, Roads And Pathway Maintenance** *(01 74 16)* Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.		
01 74 16 00-0002		**Parking Lot, Road, And Street Sweeping** *(01 74 16 00-0001)*		
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	24.18	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	29.01	
01 74 16 00-0005		**Runway Sweeping** *(01 74 16 00-0001)*		
01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	36.27	

01 74 19 Construction Waste Management and Disposal *(01 74)*

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001		**Debris Chutes** *(01 74 19)* Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002		**Steel Temporary Debris Chutes** *(01 74 19 00-0001)*		
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	44.64	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	67.53	
01 74 19 00-0005		**Plastic Temporary Debris Chutes** *(01 74 19 00-0001)*		
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	17.66	
		For Steel Liner, Add	*3.45*	
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	20.25	
		For Steel Liner, Add	*3.96*	
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	22.84	
		For Steel Liner, Add	*4.47*	
01 74 19 00-0009		**Wood Temporary Debris Chutes** *(01 74 19 00-0001)*		
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	34.65	
01 74 19 00-0011		**Construction Dumpsters Rental** *(01 74 19)* Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	576.09	
		For Each Ton Over Indicated Amount, Add	*98.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	638.85	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	673.85	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	776.58	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	966.35	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	847.63	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	924.94	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	993.96	
01 74 19 00-0020		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0021	MO	Rampless Concrete Washout Bin Note: Includes delivery.	579.91	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin Note: Includes delivery.	695.89	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	640.17	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,387.04	
01 74 19 00-0025		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0026		**Material Recycling Fees** *(01 74 19 00-0025)* Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center	20.63	
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	27.64	
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center	41.46	
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center	35.93	
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center	40.07	
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center	19.35	
01 74 19 00-0033		**Landfill Dump Fees** *(01 74 19 00-0025)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0039 for hauling.		
01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee	18.39	
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee	80.15	
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee	22.14	
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	52.79	
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	37.51	
01 74 19 00-0039		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0040	CYM	Hauling On Paved Roads, First 15 Miles	1.02	
01 74 19 00-0041	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.69	
01 74 19 00-0042	CYM	Hauling On Unimproved Roads, First 15 Miles	1.58	
01 74 19 00-0043	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.23	
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		**Cleaning Of Glass** *(01 74 23)*		
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	31.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

02 25 16 Existing Concrete, Masonry or Asphalt Assessment *(02 25)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling *(02 25 16)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	1,238.81

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	37.31

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	97.05
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	165.97

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing	102.46
		Note: Includes sampling.	
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	9.74

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing	132.53
		Note: Includes sampling.	
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	11.21

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	73.38
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	85.61
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	114.14

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	207.21
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	372.98

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023	EA	Shelby Tube Sampling	55.95
02 32 13 00-0024	EA	Penetration Test	45.59

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026	VLF	Boreholes	10.61

02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Hydro Excavation *(02 32 19)*

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1319 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0039 for hauling excavated soil from site.

02 32 19 00-0002	EA	Minimum Charge For Hydro Excavation	1,640.30
		Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 32 19 00-0003	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day	937.32
		Note: Includes initial water.	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day	1,171.65	
			Note: Includes initial water		
	02 32 19 00-0005	EA	Move And Set-up At Different Access/Location, Hydro Excavation	117.16	
	02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)	97.72	
			Note: Normal soil conditions consist of silt, sand and gravel.		
	02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck)	156.30	
			Note: Adverse soil conditions consist of clay, glacial till and rocks.		

02 40 Demolition and Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.68	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,500, Deduct	*-1.38*	
		For >2,500 To 5,000, Deduct	*-2.00*	
		For >5,000 To 10,000, Deduct	*-2.61*	
		For >10,000, Deduct	*-3.23*	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.52	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,500, Deduct	*-2.07*	
		For >2,500 To 5,000, Deduct	*-3.00*	
		For >5,000 To 10,000, Deduct	*-3.92*	
		For >10,000, Deduct	*-4.84*	
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	15.37	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,500, Deduct	*-2.77*	
		For >2,500 To 5,000, Deduct	*-4.00*	
		For >5,000 To 10,000, Deduct	*-5.23*	
		For >10,000, Deduct	*-6.46*	
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.75	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,500, Deduct	*-2.66*	
		For >2,500 To 5,000, Deduct	*-3.84*	
		For >5,000 To 10,000, Deduct	*-5.02*	
		For >10,000, Deduct	*-6.20*	
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.83	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,500, Deduct	*-3.75*	
		For >2,500 To 5,000, Deduct	*-5.42*	
		For >5,000 To 10,000, Deduct	*-7.08*	
		For >10,000, Deduct	*-8.75*	
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	29.50	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000 To 2,500, Deduct	*-5.31*	
		For >2,500 To 5,000, Deduct	*-7.67*	
		For >5,000 To 10,000, Deduct	*-10.03*	
		For >10,000, Deduct	*-12.39*	
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	41.66	
		For >500 To 1,000, Deduct	*-4.17*	
		For >1,000 To 2,500, Deduct	*-7.50*	
		For >2,500 To 5,000, Deduct	*-10.83*	
		For >5,000 To 10,000, Deduct	*-14.16*	
		For >10,000, Deduct	*-17.50*	
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	54.46	
		For >500 To 1,000, Deduct	*-5.45*	
		For >1,000 To 2,500, Deduct	*-9.80*	
		For >2,500 To 5,000, Deduct	*-14.16*	
		For >5,000 To 10,000, Deduct	*-18.52*	
		For >10,000, Deduct	*-22.87*	
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	70.81	
		For >500 To 1,000, Deduct	*-7.08*	
		For >1,000 To 2,500, Deduct	*-12.75*	
		For >2,500 To 5,000, Deduct	*-18.41*	
		For >5,000 To 10,000, Deduct	*-24.08*	
		For >10,000, Deduct	*-29.74*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0011		**By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0037 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.88	
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.40	
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.17	
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.37	
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.01	
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.97	
02 41 13 13-0018		**By Machine, Break-up And Remove Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.46	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*4.94*
		For Elevated Slab, Add		*8.23*
		For >500 To 1,000, Deduct		*-1.65*
		For >1,000 To 2,500, Deduct		*-2.96*
		For >2,500 To 5,000, Deduct		*-4.28*
		For >5,000 To 10,000, Deduct		*-5.60*
		For >10,000, Deduct		*-6.91*
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.48	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*6.74*
		For Elevated Slab, Add		*11.24*
		For >500 To 1,000, Deduct		*-2.25*
		For >1,000 To 2,500, Deduct		*-4.05*
		For >2,500 To 5,000, Deduct		*-5.84*
		For >5,000 To 10,000, Deduct		*-7.64*
		For >10,000, Deduct		*-9.44*
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	31.19	
		For Elevated Slab, Add		*15.60*
		For >500 To 1,000, Deduct		*-3.12*
		For >1,000 To 2,500, Deduct		*-5.61*
		For >2,500 To 5,000, Deduct		*-8.11*
		For >5,000 To 10,000, Deduct		*-10.60*
		For >10,000, Deduct		*-13.10*
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	40.70	
		For Elevated Slab, Add		*20.35*
		For >500 To 1,000, Deduct		*-4.07*
		For >1,000 To 2,500, Deduct		*-7.33*
		For >2,500 To 5,000, Deduct		*-10.58*
		For >5,000 To 10,000, Deduct		*-13.84*
		For >10,000, Deduct		*-17.09*
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	56.64	
		For Elevated Slab, Add		*28.32*
		For >500 To 1,000, Deduct		*-5.66*
		For >1,000 To 2,500, Deduct		*-10.20*
		For >2,500 To 5,000, Deduct		*-14.73*
		For >5,000 To 10,000, Deduct		*-19.26*
		For >10,000, Deduct		*-23.79*
02 41 13 13-0024	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	18.94	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*5.68*
		For Elevated Slab, Add		*9.47*
		For >500 To 1,000, Deduct		*-1.89*
		For >1,000 To 2,500, Deduct		*-3.41*
		For >2,500 To 5,000, Deduct		*-4.92*
		For >5,000 To 10,000, Deduct		*-6.44*
		For >10,000, Deduct		*-7.95*
02 41 13 13-0025	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.78	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*7.43*
		For Elevated Slab, Add		*12.39*
		For >500 To 1,000, Deduct		*-2.48*
		For >1,000 To 2,500, Deduct		*-4.46*
		For >2,500 To 5,000, Deduct		*-6.44*
		For >5,000 To 10,000, Deduct		*-8.43*
		For >10,000, Deduct		*-10.41*
02 41 13 13-0026	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	44.25	
		For Elevated Slab, Add		*22.13*
		For >500 To 1,000, Deduct		*-4.43*
		For >1,000 To 2,500, Deduct		*-7.97*
		For >2,500 To 5,000, Deduct		*-11.51*
		For >5,000 To 10,000, Deduct		*-15.05*
		For >10,000, Deduct		*-18.59*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0027	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	57.81	
		For Elevated Slab, Add	*28.91*	
		For >500 To 1,000, Deduct	*-5.78*	
		For >1,000 To 2,500, Deduct	*-10.41*	
		For >2,500 To 5,000, Deduct	*-15.03*	
		For >5,000 To 10,000, Deduct	*-19.66*	
		For >10,000, Deduct	*-24.28*	
02 41 13 13-0028	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	25.13	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*7.54*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*12.57*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000 To 2,500, Deduct	*-4.52*	
		For >2,500 To 5,000, Deduct	*-6.53*	
		For >5,000 To 10,000, Deduct	*-8.54*	
		For >10,000, Deduct	*-10.55*	
02 41 13 13-0029	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	32.58	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*9.77*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*16.29*	
		For >500 To 1,000, Deduct	*-3.26*	
		For >1,000 To 2,500, Deduct	*-5.86*	
		For >2,500 To 5,000, Deduct	*-8.47*	
		For >5,000 To 10,000, Deduct	*-11.08*	
		For >10,000, Deduct	*-13.68*	
02 41 13 13-0030	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	53.99	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*16.20*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*27.00*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000 To 2,500, Deduct	*-9.72*	
		For >2,500 To 5,000, Deduct	*-14.04*	
		For >5,000 To 10,000, Deduct	*-18.36*	
		For >10,000, Deduct	*-22.68*	
02 41 13 13-0031	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	27.26	
		For Elevated Slab, Add	*13.63*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000 To 2,500, Deduct	*-4.91*	
		For >2,500 To 5,000, Deduct	*-7.09*	
		For >5,000 To 10,000, Deduct	*-9.27*	
		For >10,000, Deduct	*-11.45*	
02 41 13 13-0032	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	35.05	
		For Elevated Slab, Add	*17.53*	
		For >500 To 1,000, Deduct	*-3.51*	
		For >1,000 To 2,500, Deduct	*-6.31*	
		For >2,500 To 5,000, Deduct	*-9.11*	
		For >5,000 To 10,000, Deduct	*-11.92*	
		For >10,000, Deduct	*-14.72*	
02 41 13 13-0033	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	62.66	
		For Elevated Slab, Add	*31.33*	
		For >500 To 1,000, Deduct	*-6.27*	
		For >1,000 To 2,500, Deduct	*-11.28*	
		For >2,500 To 5,000, Deduct	*-16.29*	
		For >5,000 To 10,000, Deduct	*-21.30*	
		For >10,000, Deduct	*-26.32*	
02 41 13 13-0034	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	81.78	
		For Elevated Slab, Add	*40.89*	
		For >500 To 1,000, Deduct	*-8.18*	
		For >1,000 To 2,500, Deduct	*-14.72*	
		For >2,500 To 5,000, Deduct	*-21.26*	
		For >5,000 To 10,000, Deduct	*-27.81*	
		For >10,000, Deduct	*-34.35*	
02 41 13 13-0035	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	106.91	
		For Elevated Slab, Add	*53.46*	
		For >500 To 1,000, Deduct	*-10.69*	
		For >1,000 To 2,500, Deduct	*-19.24*	
		For >2,500 To 5,000, Deduct	*-27.80*	
		For >5,000 To 10,000, Deduct	*-36.35*	
		For >10,000, Deduct	*-44.90*	
02 41 13 13-0036	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	129.75	
		For Elevated Slab, Add	*64.88*	
		For >500 To 1,000, Deduct	*-12.98*	
		For >1,000 To 2,500, Deduct	*-23.36*	
		For >2,500 To 5,000, Deduct	*-33.74*	
		For >5,000 To 10,000, Deduct	*-44.12*	
		For >10,000, Deduct	*-54.50*	

02 41 13 13-0037 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0038	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.22	
02 41 13 13-0039	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.55	
02 41 13 13-0040	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0041	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving		5.28
02 41 13 13-0042	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving		7.28
02 41 13 13-0043	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving		9.33
02 41 13 13-0044	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		7.39
02 41 13 13-0045	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		10.20
02 41 13 13-0046	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		13.07

02 41 13 13-0047 Grind Concrete *(02 41 13 13)*

02 41 13 13-0048	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.		269.52
		For >1/2" To 1" Depth Of Grinding, Add	*40.43*	
		For >1" To 1-1/2" Depth Of Grinding, Add	*67.38*	
		For Up To 5, Add	*53.90*	
		For >5 To 10, Add	*26.95*	
		For >25 To 50, Deduct	*-26.95*	
		For >50 To 250, Deduct	*-40.43*	
		For >250, Deduct	*-53.90*	
		For Sidewalks >5', Add	*26.95*	
		For Up To 12" Additional Feathering Per Side, Add	*26.95*	

02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*

Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	8.23
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	10.29
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	13.76
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	27.40

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*

Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.30
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	12.56
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	10.27
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	9.13

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*

Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site cleanup, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*

Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		77.47
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-5.81*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-11.62*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-17.43*	
		For Up To 500, Add	*23.24*	
		For >500 To 1,000, Add	*15.49*	
		For >1,000 To 2,000, Add	*7.75*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*25.57*	
		For No Interior Partitions, Deduct	*-19.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition		48.59
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.64*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-7.29*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-10.93*
		For Up To 500, Add		*14.58*
		For >500 To 1,000, Add		*9.72*
		For >1,000 To 2,000, Add		*4.86*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*7.29*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*12.15*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*17.01*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*16.03*
		For No Interior Partitions, Deduct		*-12.15*

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		97.22
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-7.29*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-14.58*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-21.87*
		For Up To 500, Add		*29.17*
		For >500 To 1,000, Add		*19.44*
		For >1,000 To 2,000, Add		*9.72*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*32.08*
		For No Interior Partitions, Deduct		*-24.31*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		64.15
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.81*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-9.62*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-14.43*
		For Up To 500, Add		*19.25*
		For >500 To 1,000, Add		*12.83*
		For >1,000 To 2,000, Add		*6.42*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*9.62*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*16.04*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*22.45*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*21.17*
		For No Interior Partitions, Deduct		*-16.04*

02 41 16 13-0013 Reinforced Block Masonry Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition		82.77
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-6.21*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-12.42*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-18.62*
		For Up To 500, Add		*24.83*
		For >500 To 1,000, Add		*16.55*
		For >1,000 To 2,000, Add		*8.28*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*27.31*
		For No Interior Partitions, Deduct		*-20.69*
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition		53.87
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.04*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.08*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-12.12*
		For Up To 500, Add		*16.16*
		For >500 To 1,000, Add		*10.77*
		For >1,000 To 2,000, Add		*5.39*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*8.08*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*13.47*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*18.85*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*17.78*
		For No Interior Partitions, Deduct		*-13.47*

02 41 16 13-0016 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		68.32
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.12*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.25*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-15.37*
		For Up To 500, Add		*20.50*
		For >500 To 1,000, Add		*13.66*
		For >1,000 To 2,000, Add		*6.83*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*22.55*
		For No Interior Partitions, Deduct		*-17.08*
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition		43.60
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.27*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-6.54*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-9.81*
		For Up To 500, Add		*13.08*
		For >500 To 1,000, Add		*8.72*
		For >1,000 To 2,000, Add		*4.36*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*6.54*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*10.90*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*15.26*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*14.39*
		For No Interior Partitions, Deduct		*-10.90*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0019		**Wood Frame Construction Building Demolition** *(02 41 16 13-0006)*		
02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	59.38	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.45*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-8.91*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-13.36*	
		For Up To 500, Add	*17.81*	
		For >500 To 1,000, Add	*11.88*	
		For >1,000 To 2,000, Add	*5.94*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*19.60*	
		For No Interior Partitions, Deduct	*-14.85*	
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition	37.30	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.80*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-5.60*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-8.39*	
		For Up To 500, Add	*11.19*	
		For >500 To 1,000, Add	*7.46*	
		For >1,000 To 2,000, Add	*3.73*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*5.60*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*12.31*	
		For No Interior Partitions, Deduct	*-9.33*	
02 41 16 13-0022		**Sorting Of Material Debris For Recycling Prior To Hauling Off** *(02 41 16 13-0006)*		
		Note: Per building volume.		
02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	10.24	
		For Up To 500, Add	*3.07*	
		For >500 To 1,000, Add	*2.05*	
		For >1,000 To 2,000, Add	*1.02*	
02 41 16 13-0024		**Foundation Demolition** *(02 41 16 13)*		
		Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0025		**Concrete Foundation Demolition** *(02 41 16 13-0024)*		
02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	15.96	
		For >135 To 405, Deduct	*-1.40*	
		For >405 To 810, Deduct	*-2.79*	
		For >810 To 2025, Deduct	*-3.99*	
		For >2025, Deduct	*-6.38*	
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	19.14	
		For >135 To 405, Deduct	*-1.67*	
		For >405 To 810, Deduct	*-3.35*	
		For >810 To 2025, Deduct	*-4.79*	
		For >2025, Deduct	*-7.66*	
02 41 16 13-0028		**Concrete Foundation Wall Demolition** *(02 41 16 13-0024)*		
02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	6.83	
		For >500 To 2,000, Deduct	*-0.51*	
		For >2,000 To 6,000, Deduct	*-1.37*	
		For >6,000 To 8,000, Deduct	*-2.39*	
		For >8,000, Deduct	*-3.76*	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.11	
		For >500 To 2,000, Deduct	*-0.68*	
		For >2,000 To 6,000, Deduct	*-1.82*	
		For >6,000 To 8,000, Deduct	*-3.19*	
		For >8,000, Deduct	*-5.01*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.40	
		For >500 To 2,000, Deduct	*-0.86*	
		For >2,000 To 6,000, Deduct	*-2.28*	
		For >6,000 To 8,000, Deduct	*-3.99*	
		For >8,000, Deduct	*-6.27*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	13.68	
		For >500 To 2,000, Deduct	*-1.03*	
		For >2,000 To 6,000, Deduct	*-2.74*	
		For >6,000 To 8,000, Deduct	*-4.79*	
		For >8,000, Deduct	*-7.52*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	15.96	
		For >500 To 2,000, Deduct	*-1.20*	
		For >2,000 To 6,000, Deduct	*-3.19*	
		For >6,000 To 8,000, Deduct	*-5.59*	
		For >8,000, Deduct	*-8.78*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	18.23	
		For >500 To 2,000, Deduct	*-1.37*	
		For >2,000 To 6,000, Deduct	*-3.65*	
		For >6,000 To 8,000, Deduct	*-6.38*	
		For >8,000, Deduct	*-10.03*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	8.21	
		For >500 To 2,000, Deduct	*-0.62*	
		For >2,000 To 6,000, Deduct	*-1.64*	
		For >6,000 To 8,000, Deduct	*-2.87*	
		For >8,000, Deduct	*-4.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition		10.94
		For >500 To 2,000, Deduct		*-0.82*
		For >2,000 To 6,000, Deduct		*-2.19*
		For >6,000 To 8,000, Deduct		*-3.83*
		For >8,000, Deduct		*-6.02*
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition		13.68
		For >500 To 2,000, Deduct		*-1.03*
		For >2,000 To 6,000, Deduct		*-2.74*
		For >6,000 To 8,000, Deduct		*-4.79*
		For >8,000, Deduct		*-7.52*
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition		16.18
		For >500 To 2,000, Deduct		*-1.21*
		For >2,000 To 6,000, Deduct		*-3.24*
		For >6,000 To 8,000, Deduct		*-5.66*
		For >8,000, Deduct		*-8.90*
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition		19.14
		For >500 To 2,000, Deduct		*-1.44*
		For >2,000 To 6,000, Deduct		*-3.83*
		For >6,000 To 8,000, Deduct		*-6.70*
		For >8,000, Deduct		*-10.53*
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition		21.88
		For >500 To 2,000, Deduct		*-1.64*
		For >2,000 To 6,000, Deduct		*-4.38*
		For >6,000 To 8,000, Deduct		*-7.66*
		For >8,000, Deduct		*-12.03*

02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.01
		For >500 To 2,000, Deduct		*-0.38*
		For >2,000 To 6,000, Deduct		*-1.00*
		For >6,000 To 8,000, Deduct		*-1.75*
		For >8,000, Deduct		*-2.76*
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.35
		For >500 To 2,000, Deduct		*-0.40*
		For >2,000 To 6,000, Deduct		*-1.07*
		For >6,000 To 8,000, Deduct		*-1.87*
		For >8,000, Deduct		*-2.94*
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		6.04
		For >500 To 2,000, Deduct		*-0.45*
		For >2,000 To 6,000, Deduct		*-1.21*
		For >6,000 To 8,000, Deduct		*-2.11*
		For >8,000, Deduct		*-3.32*
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		6.96
		For >500 To 2,000, Deduct		*-0.52*
		For >2,000 To 6,000, Deduct		*-1.39*
		For >6,000 To 8,000, Deduct		*-2.44*
		For >8,000, Deduct		*-3.83*
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		7.75
		For >500 To 2,000, Deduct		*-0.58*
		For >2,000 To 6,000, Deduct		*-1.55*
		For >6,000 To 8,000, Deduct		*-2.71*
		For >8,000, Deduct		*-4.26*
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		9.69
		For >500 To 2,000, Deduct		*-0.73*
		For >2,000 To 6,000, Deduct		*-1.94*
		For >6,000 To 8,000, Deduct		*-3.39*
		For >8,000, Deduct		*-5.33*
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition		6.02
		For >500 To 2,000, Deduct		*-0.45*
		For >2,000 To 6,000, Deduct		*-1.20*
		For >6,000 To 8,000, Deduct		*-2.11*
		For >8,000, Deduct		*-3.31*
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition		6.43
		For >500 To 2,000, Deduct		*-0.48*
		For >2,000 To 6,000, Deduct		*-1.29*
		For >6,000 To 8,000, Deduct		*-2.25*
		For >8,000, Deduct		*-3.54*
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition		7.24
		For >500 To 2,000, Deduct		*-0.54*
		For >2,000 To 6,000, Deduct		*-1.45*
		For >6,000 To 8,000, Deduct		*-2.53*
		For >8,000, Deduct		*-3.98*
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition		8.34
		For >500 To 2,000, Deduct		*-0.63*
		For >2,000 To 6,000, Deduct		*-1.67*
		For >6,000 To 8,000, Deduct		*-2.92*
		For >8,000, Deduct		*-4.59*
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition		9.30
		For >500 To 2,000, Deduct		*-0.70*
		For >2,000 To 6,000, Deduct		*-1.86*
		For >6,000 To 8,000, Deduct		*-3.26*
		For >8,000, Deduct		*-5.12*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition		11.62
		For >500 To 2,000, Deduct		*-0.87*
		For >2,000 To 6,000, Deduct		*-2.32*
		For >6,000 To 8,000, Deduct		*-4.07*
		For >8,000, Deduct		*-6.39*

02 41 16 13-0054 Brick Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition		5.01
		For >500 To 2,000, Deduct		*-0.38*
		For >2,000 To 6,000, Deduct		*-1.00*
		For >6,000 To 8,000, Deduct		*-1.75*
		For >8,000, Deduct		*-2.76*
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition		5.35
		For >500 To 2,000, Deduct		*-0.40*
		For >2,000 To 6,000, Deduct		*-1.07*
		For >6,000 To 8,000, Deduct		*-1.87*
		For >8,000, Deduct		*-2.94*
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition		6.04
		For >500 To 2,000, Deduct		*-0.45*
		For >2,000 To 6,000, Deduct		*-1.21*
		For >6,000 To 8,000, Deduct		*-2.11*
		For >8,000, Deduct		*-3.32*
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition		6.96
		For >500 To 2,000, Deduct		*-0.52*
		For >2,000 To 6,000, Deduct		*-1.39*
		For >6,000 To 8,000, Deduct		*-2.44*
		For >8,000, Deduct		*-3.83*
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition		7.75
		For >500 To 2,000, Deduct		*-0.58*
		For >2,000 To 6,000, Deduct		*-1.55*
		For >6,000 To 8,000, Deduct		*-2.71*
		For >8,000, Deduct		*-4.26*
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition		9.69
		For >500 To 2,000, Deduct		*-0.73*
		For >2,000 To 6,000, Deduct		*-1.94*
		For >6,000 To 8,000, Deduct		*-3.39*
		For >8,000, Deduct		*-5.33*

02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition		15.96
		For >135 To 405, Deduct		*-1.40*
		For >405 To 810, Deduct		*-2.79*
		For >810 To 2025, Deduct		*-3.99*
		For >2025, Deduct		*-6.38*

02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0064	CF	Concrete Footing Demolition For Fence, Gate Or Playground Equipment Post, etc. Note: Includes excavation.		16.70
		For >135 To 405, Deduct		*-1.46*
		For >405 To 810, Deduct		*-2.92*
		For >810 To 2025, Deduct		*-4.18*
		For >2025, Deduct		*-6.68*

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Saw Cutting *(02 41 19 13)*

Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-0002	EA	Minimum Charge For Saw Cut Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		1,148.83
02 41 19 13-0003	LF	Bituminous Paving Up To 4" Depth, Saw Cut		2.54
		For Each Additional Pass (Depth To 3"), Add		*0.97*
		For >250, Deduct		*-0.24*
02 41 19 13-0004	LF	Brick Masonry Up To 4" Depth, Saw Cut		9.35
		For Each Additional Pass (Depth To 3"), Add		*3.68*
		For >250, Deduct		*-0.92*
02 41 19 13-0005	LF	Concrete Block Up To 4" Depth, Saw Cut		8.45
		For Each Additional Pass (Depth To 3"), Add		*3.32*
		For >250, Deduct		*-0.83*
02 41 19 13-0006	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut		2.95
		For Each Additional Pass (Depth To 3"), Add		*1.12*
		For >250, Deduct		*-0.27*
02 41 19 13-0007	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut		3.86
		For Each Additional Pass (Depth To 3"), Add		*1.47*
		For >250, Deduct		*-0.36*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0008	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.31	
		For Each Additional Pass (Depth To 3"), Add	*2.44*	
		For >250, Deduct	*-0.60*	
02 41 19 13-0009	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	11.93	
		For Each Additional Pass (Depth To 3"), Add	*4.71*	
		For >250, Deduct	*-1.17*	
02 41 19 13-0010	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.02	
		For Each Additional Pass (Depth To 3"), Add	*6.33*	
		For >250, Deduct	*-1.58*	
02 41 19 13-0011	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.21	
		For Each Additional Pass (Depth To 3"), Add	*1.16*	
		For >250, Deduct	*-0.28*	
02 41 19 13-0012	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	8.49	
		For Each Additional Pass (Depth To 3"), Add	*3.33*	
		For >250, Deduct	*-0.83*	
02 41 19 13-0013	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.49	
		For Each Additional Pass (Depth To 3"), Add	*3.33*	
		For >250, Deduct	*-0.83*	
02 41 19 13-0014	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	8.49	
		For Each Additional Pass (Depth To 3"), Add	*3.33*	
		For >250, Deduct	*-0.83*	
02 41 19 13-0015	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.49	
		For Each Additional Pass (Depth To 3"), Add	*3.33*	
		For >250, Deduct	*-0.83*	

02 41 19 13-0016 Torch Cutting *(02 41 19 13)*

Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	3.19
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.39
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.58
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	12.77
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	15.98
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	19.17
02 41 19 13-0023	EA	Minimum Charge For Torch Cutting	1,047.44

Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0024 Drilling In Existing Materials *(02 41 19 13)*

Note: Includes drill bit wear, water, layout, set-up and cleanup.

02 41 19 13-0025 Concrete Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete	45.11
		For Horizontal Cores, Add	*8.92*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.84*
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	50.05
		For Horizontal Cores, Add	*9.91*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.82*
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete	55.57
		For Horizontal Cores, Add	*11.01*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.02*
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete	79.36
		For Horizontal Cores, Add	*15.73*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.47*
02 41 19 13-0031	EA	Drill 4" Diameter Core In Up To 4" Concrete	106.34
		For Horizontal Cores, Add	*21.08*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.16*
02 41 19 13-0032	EA	Drill 6" Diameter Core In Up To 4" Concrete	119.16
		For Horizontal Cores, Add	*23.60*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.20*
02 41 19 13-0033	EA	Drill 8" Diameter Core In Up To 4" Concrete	190.40
		For Horizontal Cores, Add	*37.76*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*75.52*
02 41 19 13-0034	EA	Drill 10" Diameter Core In Up To 4" Concrete	238.19
		For Horizontal Cores, Add	*47.20*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*94.40*
02 41 19 13-0035	EA	Drill 12" Diameter Core In Up To 4" Concrete	277.97
		For Horizontal Cores, Add	*55.07*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*110.14*
02 41 19 13-0036	EA	Drill 14" Diameter Core In Up To 4" Concrete	317.76
		For Horizontal Cores, Add	*62.93*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.86*
02 41 19 13-0037	EA	Drill 18" Diameter Core In Up To 4" Concrete	357.96
		For Horizontal Cores, Add	*70.79*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.58*

02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete	64.49
		For Horizontal Cores, Add	*12.74*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.48*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	71.58	
		For Horizontal Cores, Add	*14.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.32*	
02 41 19 13-0041	EA	Drill 2" Diameter Core In >4" To 6" Concrete	79.44	
		For Horizontal Cores, Add	*15.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.46*	
02 41 19 13-0042	EA	Drill 3" Diameter Core In >4" To 6" Concrete	95.48	
		For Horizontal Cores, Add	*18.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.76*	
02 41 19 13-0043	EA	Drill 4" Diameter Core In >4" To 6" Concrete	119.42	
		For Horizontal Cores, Add	*23.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.20*	
02 41 19 13-0044	EA	Drill 6" Diameter Core In >4" To 6" Concrete	159.11	
		For Horizontal Cores, Add	*31.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.93*	
02 41 19 13-0045	EA	Drill 8" Diameter Core In >4" To 6" Concrete	238.43	
		For Horizontal Cores, Add	*47.20*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*94.40*	
02 41 19 13-0046	EA	Drill 10" Diameter Core In >4" To 6" Concrete	278.62	
		For Horizontal Cores, Add	*55.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*110.14*	
02 41 19 13-0047	EA	Drill 12" Diameter Core In >4" To 6" Concrete	318.56	
		For Horizontal Cores, Add	*62.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.86*	
02 41 19 13-0048	EA	Drill 14" Diameter Core In >4" To 6" Concrete	358.71	
		For Horizontal Cores, Add	*70.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.58*	
02 41 19 13-0049	EA	Drill 18" Diameter Core In >4" To 6" Concrete	399.49	
		For Horizontal Cores, Add	*78.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*157.33*	
02 41 19 13-0050		**>6" To 8" Thick Concrete Core Drilling** *(02 41 19 13-0025)*		
02 41 19 13-0051	EA	Drill 1" Diameter Core In >6" To 8" Concrete	71.16	
		For Horizontal Cores, Add	*14.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.04*	
02 41 19 13-0052	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	78.95	
		For Horizontal Cores, Add	*15.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.15*	
02 41 19 13-0053	EA	Drill 2" Diameter Core In >6" To 8" Concrete	87.60	
		For Horizontal Cores, Add	*17.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.61*	
02 41 19 13-0054	EA	Drill 3" Diameter Core In >6" To 8" Concrete	103.74	
		For Horizontal Cores, Add	*20.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.91*	
02 41 19 13-0055	EA	Drill 4" Diameter Core In >6" To 8" Concrete	135.65	
		For Horizontal Cores, Add	*26.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.49*	
02 41 19 13-0056	EA	Drill 6" Diameter Core In >6" To 8" Concrete	191.18	
		For Horizontal Cores, Add	*37.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*75.52*	
02 41 19 13-0057	EA	Drill 8" Diameter Core In >6" To 8" Concrete	317.89	
		For Horizontal Cores, Add	*62.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.86*	
02 41 19 13-0058	EA	Drill 10" Diameter Core In >6" To 8" Concrete	358.30	
		For Horizontal Cores, Add	*70.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.58*	
02 41 19 13-0059	EA	Drill 12" Diameter Core In >6" To 8" Concrete	398.54	
		For Horizontal Cores, Add	*78.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*157.33*	
02 41 19 13-0060	EA	Drill 14" Diameter Core In >6" To 8" Concrete	438.98	
		For Horizontal Cores, Add	*86.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*173.03*	
02 41 19 13-0061	EA	Drill 18" Diameter Core In >6" To 8" Concrete	480.33	
		For Horizontal Cores, Add	*94.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*188.80*	
02 41 19 13-0062		**>8" To 10" Thick Concrete Core Drilling** *(02 41 19 13-0025)*		
02 41 19 13-0063	EA	Drill 1" Diameter Core In >8" To 10" Concrete	84.18	
		For Horizontal Cores, Add	*16.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.13*	
02 41 19 13-0064	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	93.39	
		For Horizontal Cores, Add	*18.41*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.82*	
02 41 19 13-0065	EA	Drill 2" Diameter Core In >8" To 10" Concrete	103.61	
		For Horizontal Cores, Add	*20.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.90*	
02 41 19 13-0066	EA	Drill 3" Diameter Core In >8" To 10" Concrete	119.85	
		For Horizontal Cores, Add	*23.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.20*	
02 41 19 13-0067	EA	Drill 4" Diameter Core In >8" To 10" Concrete	136.15	
		For Horizontal Cores, Add	*26.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0068	EA	Drill 6" Diameter Core In >8" To 10" Concrete	191.79	
		For Horizontal Cores, Add	*37.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*75.52*	
02 41 19 13-0069	EA	Drill 8" Diameter Core In >8" To 10" Concrete	318.71	
		For Horizontal Cores, Add	*62.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.86*	
02 41 19 13-0070	EA	Drill 10" Diameter Core In >8" To 10" Concrete	359.39	
		For Horizontal Cores, Add	*70.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.58*	
02 41 19 13-0071	EA	Drill 12" Diameter Core In >8" To 10" Concrete	399.75	
		For Horizontal Cores, Add	*78.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*157.29*	
02 41 19 13-0072	EA	Drill 14" Diameter Core In >8" To 10" Concrete	440.63	
		For Horizontal Cores, Add	*86.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*173.03*	
02 41 19 13-0073	EA	Drill 18" Diameter Core In >8" To 10" Concrete	482.38	
		For Horizontal Cores, Add	*94.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*188.75*	

02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0075	EA	Drill 1" Diameter Core In >10" To 12" Concrete	90.84	
		For Horizontal Cores, Add	*17.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.68*	
02 41 19 13-0076	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	100.75	
		For Horizontal Cores, Add	*19.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.65*	
02 41 19 13-0077	EA	Drill 2" Diameter Core In >10" To 12" Concrete	111.77	
		For Horizontal Cores, Add	*22.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.06*	
02 41 19 13-0078	EA	Drill 3" Diameter Core In >10" To 12" Concrete	120.24	
		For Horizontal Cores, Add	*23.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.20*	
02 41 19 13-0079	EA	Drill 4" Diameter Core In >10" To 12" Concrete	160.25	
		For Horizontal Cores, Add	*31.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.93*	
02 41 19 13-0080	EA	Drill 6" Diameter Core In >10" To 12" Concrete	208.13	
		For Horizontal Cores, Add	*40.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*81.82*	
02 41 19 13-0081	EA	Drill 8" Diameter Core In >10" To 12" Concrete	335.28	
		For Horizontal Cores, Add	*66.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*132.16*	
02 41 19 13-0082	EA	Drill 10" Diameter Core In >10" To 12" Concrete	360.47	
		For Horizontal Cores, Add	*70.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.58*	
02 41 19 13-0083	EA	Drill 12" Diameter Core In >10" To 12" Concrete	416.91	
		For Horizontal Cores, Add	*81.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*163.64*	

02 41 19 13-0084 >12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0085	IN	Drill 1" Diameter Core In >12" Concrete	11.04	
		For Horizontal Cores, Add	*2.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.36*	
02 41 19 13-0086	IN	Drill 1-1/2" Diameter Core In >12" Concrete	12.26	
		For Horizontal Cores, Add	*2.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.85*	
02 41 19 13-0087	IN	Drill 2" Diameter Core In >12" Concrete	13.61	
		For Horizontal Cores, Add	*2.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.39*	
02 41 19 13-0088	IN	Drill 3" Diameter Core In >12" Concrete	14.94	
		For Horizontal Cores, Add	*2.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.90*	
02 41 19 13-0089	IN	Drill 4" Diameter Core In >12" Concrete	19.90	
		For Horizontal Cores, Add	*3.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.86*	
02 41 19 13-0090	IN	Drill 6" Diameter Core In >12" Concrete	25.88	
		For Horizontal Cores, Add	*5.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.23*	
02 41 19 13-0091	IN	Drill 8" Diameter Core In >12" Concrete	41.75	
		For Horizontal Cores, Add	*8.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.54*	
02 41 19 13-0092	IN	Drill 10" Diameter Core In >12" Concrete	44.97	
		For Horizontal Cores, Add	*8.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.77*	
02 41 19 13-0093	IN	Drill 12" Diameter Core In >12" Concrete	51.82	
		For Horizontal Cores, Add	*10.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.47*	

02 41 19 13-0094 Brick/Concrete Block Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0096	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	36.20	
		For Horizontal Cores, Add	*7.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.28*	
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	40.15	
		For Horizontal Cores, Add	*7.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.86*	
02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	44.56	
		For Horizontal Cores, Add	*8.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.62*	
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	63.62	
		For Horizontal Cores, Add	*12.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.17*	
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	85.26	
		For Horizontal Cores, Add	*16.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.73*	
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	95.57	
		For Horizontal Cores, Add	*18.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.76*	
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	152.64	
		For Horizontal Cores, Add	*30.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*60.42*	
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	190.99	
		For Horizontal Cores, Add	*37.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*75.52*	
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	222.89	
		For Horizontal Cores, Add	*44.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.11*	
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	254.83	
		For Horizontal Cores, Add	*50.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.68*	
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	287.18	
		For Horizontal Cores, Add	*56.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*113.27*	

02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0108	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	51.76	
		For Horizontal Cores, Add	*10.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.39*	
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	57.42	
		For Horizontal Cores, Add	*11.33*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.65*	
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	63.71	
		For Horizontal Cores, Add	*12.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.17*	
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	76.60	
		For Horizontal Cores, Add	*15.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.21*	
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	95.83	
		For Horizontal Cores, Add	*18.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.76*	
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	127.64	
		For Horizontal Cores, Add	*25.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.34*	
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	191.23	
		For Horizontal Cores, Add	*37.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*75.52*	
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	223.54	
		For Horizontal Cores, Add	*44.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.11*	
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	255.63	
		For Horizontal Cores, Add	*50.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.68*	
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	287.93	
		For Horizontal Cores, Add	*56.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*113.27*	
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	320.82	
		For Horizontal Cores, Add	*62.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.86*	

02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0120	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	57.14	
		For Horizontal Cores, Add	*11.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.43*	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	63.37	
		For Horizontal Cores, Add	*12.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.92*	
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	70.30	
		For Horizontal Cores, Add	*13.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.69*	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	83.28	
		For Horizontal Cores, Add	*16.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	108.90	
		For Horizontal Cores, Add	*21.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.79*	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	153.42	
		For Horizontal Cores, Add	*30.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*60.42*	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	254.96	
		For Horizontal Cores, Add	*50.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.68*	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	287.52	
		For Horizontal Cores, Add	*56.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*113.27*	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	319.87	
		For Horizontal Cores, Add	*62.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.86*	
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	352.46	
		For Horizontal Cores, Add	*69.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*138.42*	
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	385.93	
		For Horizontal Cores, Add	*75.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*151.04*	
02 41 19 13-0131		**>8" To 10" Thick Brick/Concrete Block Core Drilling** *(02 41 19 13-0094)*		
02 41 19 13-0132	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	67.62	
		For Horizontal Cores, Add	*13.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.51*	
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	74.98	
		For Horizontal Cores, Add	*14.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.45*	
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	83.16	
		For Horizontal Cores, Add	*16.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.72*	
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	96.26	
		For Horizontal Cores, Add	*18.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.76*	
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	109.40	
		For Horizontal Cores, Add	*21.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.79*	
02 41 19 13-0137	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	154.03	
		For Horizontal Cores, Add	*30.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*60.42*	
02 41 19 13-0138	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	255.78	
		For Horizontal Cores, Add	*50.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.68*	
02 41 19 13-0139	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	288.61	
		For Horizontal Cores, Add	*56.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*113.27*	
02 41 19 13-0140	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	321.11	
		For Horizontal Cores, Add	*62.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.84*	
02 41 19 13-0141	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	354.11	
		For Horizontal Cores, Add	*69.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*138.42*	
02 41 19 13-0142	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	388.01	
		For Horizontal Cores, Add	*75.50*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*151.00*	
02 41 19 13-0143		**>10" To 12" Thick Brick/Concrete Block Core Drilling** *(02 41 19 13-0094)*		
02 41 19 13-0144	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	72.99	
		For Horizontal Cores, Add	*14.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.54*	
02 41 19 13-0145	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	80.92	
		For Horizontal Cores, Add	*15.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.72*	
02 41 19 13-0146	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	89.74	
		For Horizontal Cores, Add	*17.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.24*	
02 41 19 13-0147	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	96.65	
		For Horizontal Cores, Add	*18.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.76*	
02 41 19 13-0148	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	128.78	
		For Horizontal Cores, Add	*25.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.34*	
02 41 19 13-0149	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	167.22	
		For Horizontal Cores, Add	*32.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*65.45*	
02 41 19 13-0150	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	269.20	
		For Horizontal Cores, Add	*52.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*105.72*	
02 41 19 13-0151	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	289.69	
		For Horizontal Cores, Add	*56.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*113.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0152	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	335.09	
		For Horizontal Cores, Add	*65.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*130.91*	

02 41 19 13-0153 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0154	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	8.86	
		For Horizontal Cores, Add	*1.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.49*	
02 41 19 13-0155	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.84	
		For Horizontal Cores, Add	*1.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.88*	
02 41 19 13-0156	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	10.91	
		For Horizontal Cores, Add	*2.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.31*	
02 41 19 13-0157	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	11.99	
		For Horizontal Cores, Add	*2.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.72*	
02 41 19 13-0158	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	15.96	
		For Horizontal Cores, Add	*3.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.29*	
02 41 19 13-0159	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	20.77	
		For Horizontal Cores, Add	*4.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.19*	
02 41 19 13-0160	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	33.48	
		For Horizontal Cores, Add	*6.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.23*	
02 41 19 13-0161	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	36.08	
		For Horizontal Cores, Add	*7.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.22*	
02 41 19 13-0162	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	41.58	
		For Horizontal Cores, Add	*8.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.37*	

02 41 19 13-0163 Asphalt Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0165	EA	Drill 1" Diameter Core In Up To 2" Asphalt	21.64
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	27.06
02 41 19 13-0167	EA	Drill 2" Diameter Core In Up To 2" Asphalt	33.82
02 41 19 13-0168	EA	Drill 3" Diameter Core In Up To 2" Asphalt	41.96
02 41 19 13-0169	EA	Drill 4" Diameter Core In Up To 2" Asphalt	52.79
02 41 19 13-0170	EA	Drill 6" Diameter Core In Up To 2" Asphalt	66.34
02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt	82.63
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt	102.89
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt	128.58

02 41 19 13-0174 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	27.05
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	35.16
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	43.27
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	54.11
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	67.65
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	85.23
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	105.59
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	132.61
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	165.05

02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	35.17
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	44.65
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	55.47
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	69.02
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	86.64
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	108.29
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	135.44
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	169.24
02 41 19 13-0193	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	211.15

02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0195	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	46.03
02 41 19 13-0196	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	56.88
02 41 19 13-0197	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	70.40
02 41 19 13-0198	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	89.41
02 41 19 13-0199	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	111.12
02 41 19 13-0200	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	138.23
02 41 19 13-0201	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	173.55
02 41 19 13-0202	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	216.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0203	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	270.97	
02 41 19 13-0204		**Manhole Core Drilling** *(02 41 19 13-0024)*		
02 41 19 13-0205	EA	Drill 4" Diameter Core In 6" Brick Manhole	236.96	
02 41 19 13-0206	EA	Drill 5" Diameter Core In 6" Brick Manhole	270.80	
02 41 19 13-0207	EA	Drill 6" Diameter Core In 6" Brick Manhole	315.83	
02 41 19 13-0208	EA	Drill 8" Diameter Core In 6" Brick Manhole	473.61	
02 41 19 13-0209	EA	Drill 2" Diameter Core In 8" Concrete Manhole	317.48	
02 41 19 13-0210	EA	Drill 3" Diameter Core In 8" Concrete Manhole	338.08	
02 41 19 13-0211	EA	Drill 4" Diameter Core In 8" Concrete Manhole	372.19	
02 41 19 13-0212	EA	Drill 5" Diameter Core In 8" Concrete Manhole	399.35	
02 41 19 13-0213	EA	Drill 6" Diameter Core In 8" Concrete Manhole	473.64	
02 41 19 13-0214	EA	Drill 8" Diameter Core In 8" Concrete Manhole	676.47	
02 41 19 13-0215	EA	Drill 2" Diameter Core In Fiberglass Manhole	31.50	
02 41 19 13-0216	EA	Drill 3" Diameter Core In Fiberglass Manhole	36.34	
02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole	39.38	
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole	42.97	
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole	47.26	
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole	52.53	
02 41 19 13-0221		**Drilling In Concrete Per Inch Of Depth** *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.25	
02 41 19 13-0223	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.38	
02 41 19 13-0224	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.51	
02 41 19 13-0225	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.70	
02 41 19 13-0226	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.87	
02 41 19 13-0227	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.16	
02 41 19 13-0228	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.42	
02 41 19 13-0229	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.59	
02 41 19 13-0230	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.23	
02 41 19 13-0231	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.97	
02 41 19 13-0232	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.23	
02 41 19 13-0233	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.49	
02 41 19 13-0234	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	4.98	
02 41 19 13-0235	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	5.80	
02 41 19 13-0236		**Drilling In Brick/Concrete Block Per Inch Of Depth** *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0237	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.88	
02 41 19 13-0238	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.99	
02 41 19 13-0239	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.10	
02 41 19 13-0240	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.25	
02 41 19 13-0241	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.39	
02 41 19 13-0242	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.63	
02 41 19 13-0243	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.84	
02 41 19 13-0244	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.99	
02 41 19 13-0245	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.15	
02 41 19 13-0246	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.30	
02 41 19 13-0247	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.53	
02 41 19 13-0248	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.75	
02 41 19 13-0249	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.18	
02 41 19 13-0250	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.83	
02 41 19 13-0251		**Drilling In Wood Or Plastic Per Inch Of Depth** *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0252	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.93	
02 41 19 13-0253	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.99	
02 41 19 13-0254	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.05	
02 41 19 13-0255	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.12	
02 41 19 13-0256	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.19	
02 41 19 13-0257	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.31	
02 41 19 13-0258	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.42	
02 41 19 13-0259	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.49	
02 41 19 13-0260	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.57	
02 41 19 13-0261	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.64	
02 41 19 13-0262	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.75	
02 41 19 13-0263	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.87	
02 41 19 13-0264	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.08	
02 41 19 13-0265	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.41	
02 41 19 13-0266		**Drilling In Drywall Or Plaster Per Inch Of Depth** *(02 41 19 13-0024)*		
		Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.		
02 41 19 13-0267	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.93	
02 41 19 13-0268	IN	5/16" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.99	
02 41 19 13-0269	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.05	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0270	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.12	
02 41 19 13-0271	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.19	
02 41 19 13-0272	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.31	
02 41 19 13-0273	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.42	
02 41 19 13-0274	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.49	
02 41 19 13-0275	IN	1-1/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.57	
02 41 19 13-0276	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.64	
02 41 19 13-0277	IN	1-3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.75	
02 41 19 13-0278	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.87	
02 41 19 13-0279	IN	1-3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	2.08	
02 41 19 13-0280	IN	2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	2.40	
02 41 19 13-0281	IN	Drill 3" Diameter Core In Wood Or Plastic Per Inch Of Depth	3.18	
02 41 19 13-0282	IN	Drill 4" Diameter Core In Wood Or Plastic Per Inch Of Depth	3.99	
02 41 19 13-0283	IN	Drill 5" Diameter Core In Wood Or Plastic Per Inch Of Depth	4.51	
02 41 19 13-0284	IN	Drill 6" Diameter Core In Wood Or Plastic Per Inch Of Depth	5.03	

02 41 19 13-0285 Limestone Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0286 10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0285)*

02 41 19 13-0287	EA	Drill 1" Diameter Core In 10" To 14" Limestone	68.00	
02 41 19 13-0288	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	81.67	
02 41 19 13-0289	EA	Drill 2" Diameter Core In 10" To 14" Limestone	88.59	
02 41 19 13-0290	EA	Drill 3" Diameter Core In 10" To 14" Limestone	102.47	
02 41 19 13-0291	EA	Drill 4" Diameter Core In 10" To 14" Limestone	116.37	
02 41 19 13-0292	EA	Drill 6" Diameter Core In 10" To 14" Limestone	163.96	
02 41 19 13-0293	EA	Drill 8" Diameter Core In 10" To 14" Limestone	272.55	

02 41 19 13-0294 15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0285)*

02 41 19 13-0295	EA	Drill 1" Diameter Core In 15" To 18" Limestone	74.87	
02 41 19 13-0296	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	88.57	
02 41 19 13-0297	EA	Drill 2" Diameter Core In 15" To 18" Limestone	95.54	
02 41 19 13-0298	EA	Drill 3" Diameter Core In 15" To 18" Limestone	102.78	
02 41 19 13-0299	EA	Drill 4" Diameter Core In 15" To 18" Limestone	136.98	
02 41 19 13-0300	EA	Drill 6" Diameter Core In 15" To 18" Limestone	177.90	
02 41 19 13-0301	EA	Drill 8" Diameter Core In 15" To 18" Limestone	286.79	

02 41 19 13-0302 19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0285)*

02 41 19 13-0303	EA	Drill 1" Diameter Core In 19" To 24" Limestone	81.72	
02 41 19 13-0304	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	95.46	
02 41 19 13-0305	EA	Drill 2" Diameter Core In 19" To 24" Limestone	102.48	
02 41 19 13-0306	EA	Drill 3" Diameter Core In 19" To 24" Limestone	116.50	
02 41 19 13-0307	EA	Drill 4" Diameter Core In 19" To 24" Limestone	164.26	
02 41 19 13-0308	EA	Drill 6" Diameter Core In 19" To 24" Limestone	205.28	
02 41 19 13-0309	EA	Drill 8" Diameter Core In 19" To 24" Limestone	307.75	

02 41 19 13-0310 Minimum Charge For Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0311	EA	Minimum Charge For Core Drill Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	924.35	

02 41 19 13-0312 Cutouts *(02 41 19 13)*

Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.

02 41 19 13-0313 Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0312)*

02 41 19 13-0314	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	52.84	
02 41 19 13-0315	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	56.05	
02 41 19 13-0316	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	59.24	
02 41 19 13-0317	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	62.45	
02 41 19 13-0318	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	64.05	

02 41 19 13-0319 Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0312)*

Note: Includes cutting and removing steel decking.

02 41 19 13-0320	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	64.40	
02 41 19 13-0321	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	68.30	
02 41 19 13-0322	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	72.21	
02 41 19 13-0323	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	76.11	
02 41 19 13-0324	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	78.06	

02 41 19 13-0325 Reinforced Concrete Wall Cutouts *(02 41 19 13-0312)*

02 41 19 13-0326	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	66.05	
02 41 19 13-0327	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	70.05	
02 41 19 13-0328	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	74.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0329	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	78.06	
02 41 19 13-0330	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	80.06	
02 41 19 13-0331		**Brick Wall Cutouts** *(02 41 19 13-0312)*		
		Note: Excludes toothing.		
02 41 19 13-0332	SF	4" Thick Brick Wall Cutouts, <24 SF	20.02	
02 41 19 13-0333	SF	6" Thick Brick Wall Cutouts, <24 SF	33.02	
02 41 19 13-0334	SF	8" Thick Brick Wall Cutouts, <24 SF	45.99	
02 41 19 13-0335	SF	10" Thick Brick Wall Cutouts, <24 SF	56.05	
02 41 19 13-0336	SF	12" Thick Brick Wall Cutouts, <24 SF	67.05	
02 41 19 13-0337	SF	16" Thick Brick Wall Cutouts, <24 SF	79.06	
02 41 19 13-0338		**Concrete Block Wall Cutouts** *(02 41 19 13-0312)*		
		Note: Excludes toothing.		
02 41 19 13-0339	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	33.11	
02 41 19 13-0340	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	35.06	
02 41 19 13-0341	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	37.03	
02 41 19 13-0342	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	39.03	
02 41 19 13-0343	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	40.03	
02 41 19 13-0344	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	42.04	
02 41 19 13-0345		**Limestone Cutouts** *(02 41 19 13-0312)*		
02 41 19 13-0346	SF	2" Thick Limestone Cutouts, <24 SF	56.05	
02 41 19 13-0347	SF	4" Thick Limestone Cutouts, <24 SF	68.05	
02 41 19 13-0348	SF	6" Thick Limestone Cutouts, <24 SF	72.06	
02 41 19 13-0349	SF	8" Thick Limestone Cutouts, <24 SF	76.06	
02 41 19 13-0350	SF	10" Thick Limestone Cutouts, <24 SF	80.06	
02 41 19 13-0351	SF	12" Thick Limestone Cutouts, <24 SF	84.06	
02 41 19 13-0352		**Toothing Masonry Cutouts** *(02 41 19 13-0312)*		
		Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0353	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	20.02	
02 41 19 13-0354	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	27.02	
02 41 19 13-0355	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	12.01	
02 41 19 13-0356	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	16.01	
02 41 19 13-0357		**Minimum Charge For Cutouts** *(02 41 19 13-0312)*		
		Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0358	EA	Minimum Charge For Cutouts	400.31	
02 41 19 13-0359		**Exterior Masonry Removal** *(02 41 19 13)*		
02 41 19 13-0360		**Masonry Columns Removal (Interior And Exterior)** *(02 41 19 13-0359)*		
02 41 19 13-0361	VLF	8" x 8" Masonry Column Removal	15.66	
02 41 19 13-0362	VLF	10" x 10" Masonry Column Removal	24.47	
02 41 19 13-0363	VLF	12" x 12" Masonry Column Removal	31.35	
02 41 19 13-0364	VLF	14" x 14" Masonry Column Removal	39.24	
02 41 19 13-0365	VLF	16" x 16" Masonry Column Removal	48.21	
02 41 19 13-0366	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	27.07	
02 41 19 13-0367		**Masonry Chimney Removal** *(02 41 19 13-0359)*		
02 41 19 13-0368	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	31.76	
02 41 19 13-0369	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.85	
02 41 19 13-0370	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.25	
02 41 19 13-0371	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.63	
02 41 19 13-0372		**Remove And Reset Precast, Stone Or Masonry Coping** *(02 41 19 13-0359)*		
		Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0373	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	21.96	
02 41 19 13-0374	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.73	
02 41 19 13-0375	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	62.32	
02 41 19 13-0376		**Facade Removal** *(02 41 19 13-0359)*		
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0377	SF	Stone Or Brick Veneer Facade Removal	5.96	
		For Cleaning and Storage For Reuse, Add		*8.94*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0378		**Exterior Masonry Removal** *(02 41 19 13-0359)*		
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0379	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall		5.24
02 41 19 13-0380	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall		5.91
02 41 19 13-0381	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall		7.15
02 41 19 13-0382	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall		7.82
02 41 19 13-0383	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall		8.58
02 41 19 13-0384	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall		10.74
02 41 19 13-0385	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall		6.20
02 41 19 13-0386	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall		7.09
02 41 19 13-0387	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall		8.58
02 41 19 13-0388	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall		9.39
02 41 19 13-0389	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall		10.30
02 41 19 13-0390	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall		12.89
02 41 19 13-0391	SF	Demolish 4" Thick Brick Exterior Wall		5.24
		For Cleaning and Storage For Reuse, Add	*7.86*	
02 41 19 13-0392	SF	Demolish 6" Thick Brick Exterior Wall		5.91
		For Cleaning and Storage For Reuse, Add	*8.87*	
02 41 19 13-0393	SF	Demolish 8" Thick Brick Exterior Wall		7.15
		For Cleaning and Storage For Reuse, Add	*10.73*	
02 41 19 13-0394	SF	Demolish 10" Thick Brick Exterior Wall		7.82
		For Cleaning and Storage For Reuse, Add	*11.73*	
02 41 19 13-0395	SF	Demolish 12" Thick Brick Exterior Wall		8.58
		For Cleaning and Storage For Reuse, Add	*12.87*	
02 41 19 13-0396	SF	Demolish 16" Thick Brick Exterior Wall		10.74
		For Cleaning and Storage For Reuse, Add	*16.11*	
02 41 19 13-0397	CF	Exterior Brick, Concrete Block Or Composite Removal		15.26
		For Cleaning and Storage For Reuse, Add	*22.89*	
02 41 19 13-0398		**Lintel Removal** *(02 41 19 13-0359)*		
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0399	LF	Demolish Steel Lintel		14.51
02 41 19 13-0400	LF	Demolish Concrete Or Stone Lintel		19.34
02 41 19 13-0401	LF	Demolish Steel Shelf Angle		15.31
02 41 19 13-0402		**Reinstall Lintel** *(02 41 19 13-0359)*		
		Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0403	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel		9.96
02 41 19 13-0404	LF	Reinstall Existing Concrete Or Stone Lintel		19.34
02 41 19 13-0405	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.		52.23
02 41 19 13-0406	LF	Reinstall Existing Steel Lintel		21.49
02 41 19 13-0407	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls		86.27
02 41 19 13-0408	LF	Removal And Replacement Of Steel Lintel Over Window Openings		149.11
02 41 19 13-0409		**Exterior Concrete Wall Removal** *(02 41 19 13)*		
02 41 19 13-0410	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall		7.10
02 41 19 13-0411	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall		12.88
02 41 19 13-0412	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall		16.18
02 41 19 13-0413	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall		19.09
02 41 19 13-0414	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall		22.56
02 41 19 13-0415		**Elevated Concrete Removal** *(02 41 19 13)*		
02 41 19 13-0416	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced		13.41
02 41 19 16		**Selective Interior Demolition** *(02 41 19)*		
		Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and cleanup. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.		
02 41 19 16-0001		**Floor Removal** *(02 41 19 16)*		
02 41 19 16-0002		**Scarify Concrete** *(02 41 19 16-0001)*		
		Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF	Scarify Concrete Floor		0.33
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser		2.82
02 41 19 16-0005	SF	Scarify Concrete Wall		2.56
02 41 19 16-0006		**Fireproofing Removal** *(02 41 19 16)*		
02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel		1.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0008		**Demolish Ceiling** *(02 41 19 16)*		
02 41 19 16-0009	SF	Demolish Drywall Ceiling		1.02
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling		2.39
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System		1.83
02 41 19 16-0012		**Demolish Concrete Stair** *(02 41 19 16)*		
02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs		8.58
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs		7.41
02 41 19 16-0015		**Demolish Interior Partition/Wall** *(02 41 19 16)*		
		Note: Price includes knock down, loading, cleanup.		
02 41 19 16-0016		**Demolish Masonry And Concrete Interior Partition/Walls** *(02 41 19 16-0015)*		
		Note: Includes saw cutting, knock down, loading and cleanup.		
02 41 19 16-0017		**Demolish Concrete Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.56
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.94
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.69
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		8.59
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		10.74
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		6.67
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		7.13
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		8.03
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		10.31
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		12.89
02 41 19 16-0028		**Demolish Brick Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall		5.56
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall		6.69
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall		8.58
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall		10.74
02 41 19 16-0033		**Demolish Glass Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls		4.77
02 41 19 16-0035		**Demolish Concrete Interior Partition/Walls** *(02 41 19 16-0016)*		
		See CSI section 02 41 16 13-0024 for concrete foundation demolition.		
02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		10.11
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		12.63
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		17.69
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		12.13
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		15.26
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		21.23
02 41 19 16-0042		**Demolish Terra-Cotta Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		1.91
02 41 19 16-0044		**Demolish Stud Framed Interior Partition/Walls** *(02 41 19 16-0015)*		
		Note: Includes knock down, loading and cleanup. Includes demo of insulation if required.		
02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		3.37
		For Heights >14' To 20', Add		*0.51*
		For Heights >20', Add		*0.67*
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		3.94
		For Heights >14' To 20', Add		*0.59*
		For Heights >20', Add		*0.79*
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		4.31
		For Heights >14' To 20', Add		*0.65*
		For Heights >20', Add		*0.86*
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		5.99
		For Heights >14' To 20', Add		*0.90*
		For Heights >20', Add		*1.20*
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		1.78
		For Heights >14' To 20', Add		*0.27*
		For Heights >20', Add		*0.36*
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		2.12
		For Heights >14' To 20', Add		*0.32*
		For Heights >20', Add		*0.42*

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

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CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use *(02 42 21 35)*
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	310.54

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001 Flooring Remove And Salvage For Re-Use *(02 42 21 47)*
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	2.83
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.83
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	3.91
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	2.29
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	1.20
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.87

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*
Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	38.22
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	36.13
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	33.81
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	30.67
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	28.67
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	25.36
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	37.15
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	33.81
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	28.67

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil *(02 61 13)*
See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.

02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil *(02 61 13 00-0001)*

02 61 13 00-0003	CY	Excavate Non-Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	9.63
02 61 13 00-0004	CY	Load Excavated Non-Petroleum Contaminated Soil	8.35
02 61 13 00-0005	CY	Disposal Fees Of Non-Petroleum Contaminated Soil	52.79

02 61 13 00-0006 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0007	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	14.45
02 61 13 00-0008	CY	Load Excavated Petroleum Contaminated Soil	8.35
02 61 13 00-0009	CY	Disposal Fees Of Petroleum Contaminated Soil	84.58

02 61 13 00-0010 Accessories For Contaminated Soil Stockpile *(02 61 13)*
See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0011	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.58
02 61 13 00-0012	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.94

02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils *(02 61 26)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,251.19	
		For Work In Restricted Working Space, Add	*375.36*	
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	82.94	
		For Work In Restricted Working Space, Add	*24.88*	
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	55.30	
		For Work In Restricted Working Space, Add	*16.59*	
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	41.53	
		For Work In Restricted Working Space, Add	*12.46*	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	33.18	
		For Work In Restricted Working Space, Add	*9.95*	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	28.20	
		For Work In Restricted Working Space, Add	*8.46*	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	25.38	
		For Work In Restricted Working Space, Add	*7.61*	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

02 65 00 00-0002 Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*

02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	27.56
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	27.56
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	27.56

02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	208.77
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	81.19
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	195.30
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	208.77
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	162.38
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	440.74
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	811.90
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	97.65
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	173.98
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	231.97
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	259.81
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	34.80
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	34.80
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	34.80
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	64.95
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	371.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	134.27	
02 65 00 00-0024	EA	pH, Lab Test	27.84	
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96	
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77	
02 65 00 00-0027		**Tests, Surveys And Maintenance For Underground Storage Tank** *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,200.78	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	208.21	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	48.18	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	338.84	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	155.94	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	225.06	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	325.66	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	219.28	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	128.79	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	130.72	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	140.02	
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.64	
02 65 00 00-0043		**Pump Contaminated Liquids And Rinse Material** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.99	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.89	
02 65 00 00-0046		**Sludge** *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	6.97	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.59	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	4.25	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)* Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	356.66	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	468.82	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	609.68	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	828.16	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,610.75	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,936.81	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,227.08	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,693.38	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,482.61	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,186.96	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,312.02	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,536.07	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	7,986.35	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	262.55	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	349.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	458.12	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	634.40	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,404.90	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,778.89	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,081.63	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,616.90	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,401.33	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,269.35	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,559.04	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,670.85	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,338.56	

02 65 00 00-0080 Tank And Piping Removal *(02 65)*

Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.

02 65 00 00-0081 Removal And Disposal Of Piping *(02 65 00 00-0080)*

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	20.87	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	27.82	

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement *(02 65 00 00-0080)*

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	720.49	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	874.87	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,029.27	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,286.59	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,801.22	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,264.39	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,573.17	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,087.80	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,117.07	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,935.46	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,783.34	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,766.01	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,457.51	

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary *(02 65 00 00-0080)*

Note: Includes 1 lengthwise at every 4' on-center height wise.

02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	875.51	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,632.71	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,963.99	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,188.78	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,626.53	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,265.41	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,927.96	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,909.96	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,137.45	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,671.80	

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station *(02 65 00 00-0080)*

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	328.44	
		For Each Additional Mile >15 Miles, Add	*4.81*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	447.13	
		For Each Additional Mile >15 Miles, Add	*6.07*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	704.76	
		For Each Additional Mile >15 Miles, Add	*9.10*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,106.03	
		For Each Additional Mile >15 Miles, Add	*10.62*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,951.96	
		For Each Additional Mile >15 Miles, Add	*18.72*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,012.65	
		For Each Additional Mile >15 Miles, Add	*20.23*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,113.82	
		For Each Additional Mile >15 Miles, Add	*22.76*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,075.76	
		For Each Additional Mile >15 Miles, Add	*30.35*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,204.93	
		For Each Additional Mile >15 Miles, Add	*45.52*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,929.47	
		For Each Additional Mile >15 Miles, Add	*50.58*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	6,106.08	
		For Each Additional Mile >15 Miles, Add	*60.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	8,589.70	
		For Each Additional Mile >15 Miles, Add	*72.84*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	10,389.02	
		For Each Additional Mile >15 Miles, Add	*83.76*	

02 65 00 00-0123 Other Storage Tank Removals *(02 65 00 00-0080)*

Note: Based on tank gallon size

02 65 00 00-0124	GAL	Removal Of Cement Lining	0.63	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.22	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.35	

02 65 00 00-0127 Tank Closure Report *(02 65 00 00-0080)*

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report	3,512.18	

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,413.12	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	4,641.67	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,562.63	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	9,393.85	

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,091.37	

02 80 Facility Remediation *(02)*

02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001 Equipment Oil Drain And Disposal *(02 81)*

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	677.78	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	106.51	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	484.12	
02 81 00 00-0005	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	871.42	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	116.24	

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	100.94	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	50.01	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	60.88	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	82.63	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	73.93	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	117.42	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	232.66	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	323.99	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.71
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.34
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.54
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.75
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.56
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.70

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,270.74	
		For Work In Restricted Working Space, Add		*375.36*
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	43.63	
		For Work In Restricted Working Space, Add		*12.80*
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.97	
		For Work In Restricted Working Space, Add		*9.60*
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.97	
		For Work In Restricted Working Space, Add		*7.20*
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.97	
		For Work In Restricted Working Space, Add		*5.40*
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.63	
		For Work In Restricted Working Space, Add		*4.70*

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,290.29	
		For Work In Restricted Working Space, Add		*375.36*
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	51.02	
		For Work In Restricted Working Space, Add		*14.72*
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.75	
		For Work In Restricted Working Space, Add		*11.04*
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.55	
		For Work In Restricted Working Space, Add		*8.28*
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.65	
		For Work In Restricted Working Space, Add		*6.21*
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.96	
		For Work In Restricted Working Space, Add		*5.40*

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,309.84	
		For Work In Restricted Working Space, Add		*375.36*
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	68.01	
		For Work In Restricted Working Space, Add		*19.62*
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	51.66	
		For Work In Restricted Working Space, Add		*14.72*
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	39.40	
		For Work In Restricted Working Space, Add		*11.04*
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	30.19	
		For Work In Restricted Working Space, Add		*8.27*
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.60	
		For Work In Restricted Working Space, Add		*7.20*

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,329.40	
		For Work In Restricted Working Space, Add		*375.36*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	93.52	
		For Work In Restricted Working Space, Add	*26.98*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	71.02	
		For Work In Restricted Working Space, Add	*20.23*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	54.16	
		For Work In Restricted Working Space, Add	*15.17*	
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	41.50	
		For Work In Restricted Working Space, Add	*11.38*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	36.57	
		For Work In Restricted Working Space, Add	*9.90*	

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	813.39	
		For Work In Restricted Working Space, Add	*242.26*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	136.55	
		For Work In Restricted Working Space, Add	*40.38*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	54.21	
		For Work In Restricted Working Space, Add	*15.68*	
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	41.13	
		For Work In Restricted Working Space, Add	*11.75*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	31.34	
		For Work In Restricted Working Space, Add	*8.81*	

02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0039	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,260.97
02 82 33 00-0040	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	51.96
02 82 33 00-0041	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	42.90
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	34.49
02 82 33 00-0043	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	28.20

02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0045	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,256.08
02 82 33 00-0046	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	45.65
02 82 33 00-0047	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	36.58
02 82 33 00-0048	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	28.18
02 82 33 00-0049	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	21.88

02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0051	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,254.45
02 82 33 00-0052	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	40.48
02 82 33 00-0053	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	31.42
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	23.01
02 82 33 00-0055	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	16.71

02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,263.41
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	43.14
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	34.08
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.68
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.39

02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.

02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	209.02

02 82 33 00-0065 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Exposed surface area, includes associated overspray.

02 82 33 00-0066	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,263.41
02 82 33 00-0067	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	51.66
02 82 33 00-0068	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	38.86
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	29.27
02 82 33 00-0070	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	22.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0071		**Acoustical Plaster, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0072	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,259.34	
02 82 33 00-0073	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	21.70	
02 82 33 00-0074	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.49	
02 82 33 00-0075	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.32	
02 82 33 00-0076	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.20	
02 82 33 00-0077		**Gypsum Wall Board, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0078	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,267.49	
		For Additional Layer, Add	*344.08*	
02 82 33 00-0079	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	16.75	
		For Additional Layer, Add	*4.52*	
02 82 33 00-0080	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.32	
		For Additional Layer, Add	*3.30*	
02 82 33 00-0081	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.72	
		For Additional Layer, Add	*2.58*	
02 82 33 00-0082	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.63	
		For Additional Layer, Add	*2.01*	
02 82 33 00-0083	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.07	
		For Additional Layer, Add	*1.58*	
02 82 33 00-0084	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.92	
		For Additional Layer, Add	*1.26*	
02 82 33 00-0085		**Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0086	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,259.34	
02 82 33 00-0087	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	31.51	
02 82 33 00-0088	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	23.17	
02 82 33 00-0089	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	18.16	
02 82 33 00-0090	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.19	
02 82 33 00-0091	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.23	
02 82 33 00-0092		**Stucco, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0093	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,267.49	
02 82 33 00-0094	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	27.54	
02 82 33 00-0095	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	20.70	
02 82 33 00-0096	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	15.64	
02 82 33 00-0097	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	11.80	
02 82 33 00-0098		**Spray On Acoustical Ceiling, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0099	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,267.49	
02 82 33 00-0100	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	14.24	
02 82 33 00-0101	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	11.08	
02 82 33 00-0102	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.16	
02 82 33 00-0103	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.18	
02 82 33 00-0104		**Plywood, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,264.23	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	18.05	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	8.86	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.09	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.23	
02 82 33 00-0110		**Flooring Material, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0111		**Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
02 82 33 00-0112		**Floor Tile, Asbestos Abatement And Disposal** *(02 82 33 00-0111)*		
		Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,254.45	
		For Each Additional Layer, Add	*188.17*	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	8.86	
		For Each Additional Layer, Add	*1.33*	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.26	
		For Each Additional Layer, Add	*1.09*	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.80	
		For Each Additional Layer, Add	*0.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.04	
		For Each Additional Layer, Add	*0.61*	
02 82 33 00-0118		**Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal** *(02 82 33 00-0111)*		
		Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,254.45	
		For Each Additional Layer, Add	*188.17*	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	8.86	
		For Each Additional Layer, Add	*1.33*	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.29	
		For Each Additional Layer, Add	*1.09*	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.62	
		For Each Additional Layer, Add	*0.99*	
02 82 33 00-0123	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.36	
		For Each Additional Layer, Add	*0.80*	
02 82 33 00-0124		**Carpet, Asbestos Abatement And Disposal** *(02 82 33 00-0111)*		
02 82 33 00-0125	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,254.45	
02 82 33 00-0126	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	6.95	
02 82 33 00-0127	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.64	
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.13	
02 82 33 00-0129	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.16	
02 82 33 00-0130		**Wall Or Cove Base, Asbestos Abatement And Disposal** *(02 82 33 00-0111)*		
		Note: Up to 12".		
02 82 33 00-0131	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	421.13	
02 82 33 00-0132	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.72	
02 82 33 00-0133	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.49	
02 82 33 00-0134	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.24	
02 82 33 00-0135	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.62	
02 82 33 00-0136		**Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
		Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0137	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,259.34	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0138	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal	3.20	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0139	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal	2.37	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0140	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal	1.84	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0141	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal	1.49	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0142		**Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
		Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0143	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	1,283.78	
02 82 33 00-0144	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.18	
02 82 33 00-0145	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.53	
02 82 33 00-0146	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.96	
02 82 33 00-0147	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.71	
02 82 33 00-0148		**Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
02 82 33 00-0149	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,267.48	
02 82 33 00-0150	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	11.31	
02 82 33 00-0151	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	7.46	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0152	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	5.90	
02 82 33 00-0153	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	4.85	
02 82 33 00-0154		**Roofing, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0155		**Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
		Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0156		**Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0155)*		
02 82 33 00-0157	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,291.93	
02 82 33 00-0158	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.33	
02 82 33 00-0159	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.73	
02 82 33 00-0160	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.45	
02 82 33 00-0161	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.16	
02 82 33 00-0162	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.20	
02 82 33 00-0163		**>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0155)*		
02 82 33 00-0164	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,322.88	
02 82 33 00-0165	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.76	
02 82 33 00-0166	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.90	
02 82 33 00-0167	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.50	
02 82 33 00-0168	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.03	
02 82 33 00-0169	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.93	
02 82 33 00-0170		**>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0155)*		
02 82 33 00-0171	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,358.72	
02 82 33 00-0172	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	11.10	
02 82 33 00-0173	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.04	
02 82 33 00-0174	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.47	
02 82 33 00-0175	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.85	
02 82 33 00-0176	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.62	
02 82 33 00-0177		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
02 82 33 00-0178		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0177)*		
02 82 33 00-0179	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,261.37	
02 82 33 00-0180	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	8.08	
		For Each Additional Layer, Add	*1.62*	
02 82 33 00-0181	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.48	
		For Each Additional Layer, Add	*1.30*	
02 82 33 00-0182	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.20	
		For Each Additional Layer, Add	*1.04*	
02 82 33 00-0183	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.91	
		For Each Additional Layer, Add	*0.78*	
02 82 33 00-0184	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.95	
		For Each Additional Layer, Add	*0.59*	
02 82 33 00-0185		**Roof Penetration Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
02 82 33 00-0186	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	417.88	
02 82 33 00-0187	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.21	
02 82 33 00-0188	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.64	
02 82 33 00-0189	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.14	
02 82 33 00-0190	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.59	
02 82 33 00-0191		**Roof Curb Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
02 82 33 00-0192	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	417.88	
02 82 33 00-0193	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.47	
02 82 33 00-0194	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.59	
02 82 33 00-0195	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.34	
02 82 33 00-0196	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.59	
02 82 33 00-0197		**Asbestos-Cement Products, Asbestos Abatement And Disposal** *(02 82 33)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0198		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0199	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,267.48	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0200	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.69	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0201	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.42	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0202	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.57	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0203	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.12	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0204		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0205	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,267.48	
02 82 33 00-0206	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.56	
02 82 33 00-0207	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.95	
02 82 33 00-0208	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.19	
02 82 33 00-0209	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.80	
02 82 33 00-0210		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0211	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,062.21	
02 82 33 00-0212	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	44.61	
02 82 33 00-0213	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.95	
02 82 33 00-0214	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.95	
02 82 33 00-0215	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.96	
02 82 33 00-0216	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.46	
02 82 33 00-0217	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.14	
02 82 33 00-0218		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0219	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,278.81	
		Note: Single or first of multiple layers.		
02 82 33 00-0220	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	6.83	
		Note: Single or first of multiple layers.		
02 82 33 00-0221	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.49	
		Note: Single or first of multiple layers.		
02 82 33 00-0222	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.42	
		Note: Single or first of multiple layers.		
02 82 33 00-0223	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.36	
		Note: Single or first of multiple layers.		
02 82 33 00-0224	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.56	
		Note: Single or first of multiple layers.		
02 82 33 00-0225		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0226		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0225)*		
02 82 33 00-0227	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	853.68	
		For Work In Restricted Working Space, Add	*250.24*	
02 82 33 00-0228	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	84.90	
		For Work In Restricted Working Space, Add	*24.88*	
02 82 33 00-0229	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	57.26	
		For Work In Restricted Working Space, Add	*16.59*	
02 82 33 00-0230	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	43.49	
		For Work In Restricted Working Space, Add	*12.46*	
02 82 33 00-0231	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	35.14	
		For Work In Restricted Working Space, Add	*9.95*	
02 82 33 00-0232	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	30.16	
		For Work In Restricted Working Space, Add	*8.46*	
02 82 33 00-0233	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	27.34	
		For Work In Restricted Working Space, Add	*7.61*	
02 82 33 00-0234		Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0235		30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0236	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	425.86	
02 82 33 00-0237	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	158.94	
02 82 33 00-0238	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	143.93	
02 82 33 00-0239		HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0240	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	417.47	
02 82 33 00-0241	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0242	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.44	
02 82 33 00-0243	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.54	
02 82 33 00-0244	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.77	
02 82 33 00-0245	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.09	
02 82 33 00-0246	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.53	
02 82 33 00-0247		Grout, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: e.g. flue grout.		
02 82 33 00-0248	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	417.33	
02 82 33 00-0249	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	16.45	
02 82 33 00-0250	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.33	
02 82 33 00-0251	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.71	
02 82 33 00-0252	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.35	
02 82 33 00-0253	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.20	
02 82 33 00-0254	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.17	
02 82 33 00-0255		Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: e.g. rope, web cloth, flat.		
02 82 33 00-0256	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	417.47	
02 82 33 00-0257	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	22.16	
02 82 33 00-0258	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	16.63	
02 82 33 00-0259	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.17	
02 82 33 00-0260	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.76	
02 82 33 00-0261	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.47	
02 82 33 00-0262	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.91	
02 82 33 00-0263		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: e.g. grid, spline, or glued on.		
02 82 33 00-0264	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	842.28	
02 82 33 00-0265	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	17.88	
02 82 33 00-0266	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	8.69	
02 82 33 00-0267	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.92	
02 82 33 00-0268	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.06	
02 82 33 00-0269		Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0270	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	838.53	
02 82 33 00-0271	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	17.88	
02 82 33 00-0272	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.69	
02 82 33 00-0273	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.92	
02 82 33 00-0274	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.06	
02 82 33 00-0275		Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0276		Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0275)*		
02 82 33 00-0277	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	417.33	
02 82 33 00-0278	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	12.33	
02 82 33 00-0279	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	8.70	
02 82 33 00-0280	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.48	
02 82 33 00-0281	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.88	
02 82 33 00-0282	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.86	
02 82 33 00-0283	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.35	
02 82 33 00-0284		Exterior Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0275)*		
02 82 33 00-0285	SET	Up To 10 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	417.14	
02 82 33 00-0286	LF	>10 To 50 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	7.41	
02 82 33 00-0287	LF	>50 To 100 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	5.23	
02 82 33 00-0288	LF	>100 To 250 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	3.91	
02 82 33 00-0289	LF	>250 To 1,000 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	2.94	
02 82 33 00-0290	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	2.33	
02 82 33 00-0291	LF	>2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	2.03	
02 82 33 00-0292		Window Putty, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0293		SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	417.33	
02 82 33 00-0294		LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	16.45	
02 82 33 00-0295		LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	11.33	
02 82 33 00-0296		LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	9.71	
02 82 33 00-0297		LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.35	
02 82 33 00-0298		LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.20	
02 82 33 00-0299			Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0300		SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	871.67	
02 82 33 00-0301		EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	84.02	
02 82 33 00-0302		EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	59.14	
02 82 33 00-0303		EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	46.75	
02 82 33 00-0304		EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	39.24	
02 82 33 00-0305		EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	34.76	
02 82 33 00-0306		EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	32.22	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting.

02 83 19 13-0001			Lead Sampling And Testing *(02 83 19 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.	
02 83 19 13-0002		HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	94.02
02 83 19 13-0003		EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	74.96
02 83 19 13-0004		EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	71.76
02 83 19 13-0005		EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72
02 83 19 13-0006		EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21
02 83 19 13-0007		EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27
02 83 19 13-0008		EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49
02 83 19 13-0009		EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36
02 83 19 13-0010		EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76
02 83 19 13-0011		EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72
02 83 19 13-0012		EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96
02 83 19 13-0013		EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31
02 83 19 13-0014		EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92
02 83 19 13-0015		EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.96
02 83 19 13-0016		EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.31
02 83 19 13-0017		EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.92
02 83 19 13-0018		EA	5 Day Turnaround Lead Water Test and Lab Fee	43.49
02 83 19 13-0019		EA	24 Hour Turnaround Lead Water Test and Lab Fee	65.23
02 83 19 13-0020		EA	8 Hour Turnaround Lead Water Test and Lab Fee	86.98
02 83 19 13-0021		EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97
02 83 19 13-0022		EA	5 Day Turnaround Lead Soil Test and Lab Fee	89.95
02 83 19 13-0023			Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*	
02 83 19 13-0024		EA	Minimum Show Up Charge For Lead-Based Paint Remediation Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	1,274.43
02 83 19 13-0025			Chemical Stripping Of Lead Contaminated Material *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.	
02 83 19 13-0026		SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	36.07
			For 0.025" (25 mil) Application, Add	*2.05*
			For 0.03" (30 mil) Application, Add	*3.24*
02 83 19 13-0027		SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	53.49
			For 0.025" (25 mil) Application, Add	*2.92*
			For 0.03" (30 mil) Application, Add	*4.54*
02 83 19 13-0028		LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	15.50
			For 0.025" (25 mil) Application, Add	*0.93*
			For 0.03" (30 mil) Application, Add	*1.48*
			For 0.125" (125 mil) Application, Add	*8.38*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0029	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	31.62	
		For 0.025" (25 mil) Application, Add	*1.73*	
		For 0.03" (30 mil) Application, Add	*2.69*	
		For 0.125" (125 mil) Application, Add	*12.41*	
02 83 19 13-0030	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	16.86	
		For 0.025" (25 mil) Application, Add	*1.09*	
		For 0.03" (30 mil) Application, Add	*1.80*	
02 83 19 13-0031	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	47.68	
		For 0.025" (25 mil) Application, Add	*2.63*	
		For 0.03" (30 mil) Application, Add	*4.11*	
02 83 19 13-0032	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.40	
		For 0.025" (25 mil) Application, Add	*0.72*	
		For 0.03" (30 mil) Application, Add	*1.21*	
		For 0.125" (125 mil) Application, Add	*8.60*	
02 83 19 13-0033	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	30.15	
		For 0.025" (25 mil) Application, Add	*1.71*	
		For 0.03" (30 mil) Application, Add	*2.69*	
02 83 19 13-0034	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	38.42	
		For 0.025" (25 mil) Application, Add	*2.12*	
		For 0.03" (30 mil) Application, Add	*3.31*	
02 83 19 13-0035	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	14.33	
		For 0.025" (25 mil) Application, Add	*0.92*	
		For 0.03" (30 mil) Application, Add	*1.50*	
02 83 19 13-0036	SF	Columns, Chemical Stripping Of Lead Contaminated Material	13.78	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.56*	
		For 0.125" (125 mil) Application, Add	*10.95*	
02 83 19 13-0037	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.14	
		For 0.025" (25 mil) Application, Add	*0.81*	
		For 0.03" (30 mil) Application, Add	*1.34*	
02 83 19 13-0038	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	14.91	
		For 0.025" (25 mil) Application, Add	*0.95*	
		For 0.03" (30 mil) Application, Add	*1.54*	
02 83 19 13-0039	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	21.97	
		For 0.025" (25 mil) Application, Add	*1.35*	
		For 0.03" (30 mil) Application, Add	*2.18*	
02 83 19 13-0040	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	62.75	
		For 0.025" (25 mil) Application, Add	*3.54*	
		For 0.03" (30 mil) Application, Add	*5.56*	
02 83 19 13-0041	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	15.58	
		For 0.025" (25 mil) Application, Add	*0.98*	
		For 0.03" (30 mil) Application, Add	*1.59*	
02 83 19 13-0042	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.58	
		For 0.025" (25 mil) Application, Add	*0.63*	
		For 0.03" (30 mil) Application, Add	*1.07*	
02 83 19 13-0043	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	32.22	
		For 0.025" (25 mil) Application, Add	*1.81*	
		For 0.03" (30 mil) Application, Add	*2.84*	
02 83 19 13-0044	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	38.42	
		For 0.025" (25 mil) Application, Add	*2.12*	
		For 0.03" (30 mil) Application, Add	*3.31*	
02 83 19 13-0045	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	20.21	
		For 0.025" (25 mil) Application, Add	*1.31*	
		For 0.03" (30 mil) Application, Add	*2.15*	
02 83 19 13-0046	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	24.89	
		For 0.025" (25 mil) Application, Add	*1.54*	
		For 0.03" (30 mil) Application, Add	*2.50*	
		For 0.125" (125 mil) Application, Add	*15.22*	
02 83 19 13-0047	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.96	
		For 0.025" (25 mil) Application, Add	*0.50*	
		For 0.03" (30 mil) Application, Add	*0.84*	
		For 0.125" (125 mil) Application, Add	*6.24*	
02 83 19 13-0048	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.15	
		For 0.025" (25 mil) Application, Add	*0.71*	
		For 0.03" (30 mil) Application, Add	*1.16*	
		For 0.125" (125 mil) Application, Add	*7.29*	
02 83 19 13-0049	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	19.96	
		For 0.025" (25 mil) Application, Add	*1.25*	
		For 0.03" (30 mil) Application, Add	*2.03*	
		For 0.125" (125 mil) Application, Add	*12.49*	
02 83 19 13-0050	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	27.34	
		For 0.025" (25 mil) Application, Add	*1.67*	
		For 0.03" (30 mil) Application, Add	*2.69*	
		For 0.125" (125 mil) Application, Add	*15.84*	
02 83 19 13-0051	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	49.03	
		For 0.025" (25 mil) Application, Add	*2.90*	
		For 0.03" (30 mil) Application, Add	*4.63*	
		For 0.125" (125 mil) Application, Add	*25.76*	
02 83 19 13-0052	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	14.64	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.33*	
		For 0.125" (125 mil) Application, Add	*6.90*	
02 83 19 13-0053	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	291.08	
		For 0.025" (25 mil) Application, Add	*16.01*	
		For 0.03" (30 mil) Application, Add	*24.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0054	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	20.45	
		For 0.025" (25 mil) Application, Add	*1.59*	
		For 0.03" (30 mil) Application, Add	*2.73*	
02 83 19 13-0055	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	22.37	
		For 0.025" (25 mil) Application, Add	*1.68*	
		For 0.03" (30 mil) Application, Add	*2.88*	
02 83 19 13-0056	SF	Siding, Chemical Stripping Of Lead Contaminated Material	11.65	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*10.41*	
02 83 19 13-0057	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	24.39	
		For 0.025" (25 mil) Application, Add	*1.42*	
		For 0.03" (30 mil) Application, Add	*2.25*	
		For 0.125" (125 mil) Application, Add	*12.10*	
02 83 19 13-0058	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.23	
		For 0.025" (25 mil) Application, Add	*0.76*	
		For 0.03" (30 mil) Application, Add	*1.27*	
		For 0.125" (125 mil) Application, Add	*8.81*	
02 83 19 13-0059	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	12.75	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.19*	
02 83 19 13-0060	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	12.72	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.18*	
02 83 19 13-0061	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	18.01	
		For 0.025" (25 mil) Application, Add	*1.10*	
		For 0.03" (30 mil) Application, Add	*1.78*	
		For 0.125" (125 mil) Application, Add	*10.50*	
02 83 19 13-0062	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	12.72	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.18*	
02 83 19 13-0063	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	29.27	
		For 0.025" (25 mil) Application, Add	*1.66*	
		For 0.03" (30 mil) Application, Add	*2.62*	
02 83 19 13-0064	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	32.03	
		For 0.025" (25 mil) Application, Add	*1.80*	
		For 0.03" (30 mil) Application, Add	*2.83*	
02 83 19 13-0065	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	33.90	
		For 0.025" (25 mil) Application, Add	*1.90*	
		For 0.03" (30 mil) Application, Add	*2.97*	
02 83 19 13-0066	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	35.77	
		For 0.025" (25 mil) Application, Add	*1.99*	
		For 0.03" (30 mil) Application, Add	*3.11*	
02 83 19 13-0067	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	37.64	
		For 0.025" (25 mil) Application, Add	*2.08*	
		For 0.03" (30 mil) Application, Add	*3.25*	
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	39.59	
		For 0.025" (25 mil) Application, Add	*2.18*	
		For 0.03" (30 mil) Application, Add	*3.39*	
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	41.40	
		For 0.025" (25 mil) Application, Add	*2.27*	
		For 0.03" (30 mil) Application, Add	*3.53*	
02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	42.34	
		For 0.025" (25 mil) Application, Add	*2.32*	
		For 0.03" (30 mil) Application, Add	*3.60*	
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	43.30	
		For 0.025" (25 mil) Application, Add	*2.37*	
		For 0.03" (30 mil) Application, Add	*3.67*	
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	44.19	
		For 0.025" (25 mil) Application, Add	*2.41*	
		For 0.03" (30 mil) Application, Add	*3.74*	
02 83 19 13-0073	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	58.42	
		For 0.025" (25 mil) Application, Add	*3.32*	
		For 0.03" (30 mil) Application, Add	*5.23*	
		For 0.125" (125 mil) Application, Add	*26.61*	
02 83 19 13-0074	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	10.15	
		For 0.025" (25 mil) Application, Add	*0.66*	
		For 0.03" (30 mil) Application, Add	*1.08*	
		For 0.125" (125 mil) Application, Add	*7.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0075	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	29.72	
		For 0.025" (25 mil) Application, Add	*1.79*	
		For 0.03" (30 mil) Application, Add	*2.87*	
		For 0.125" (125 mil) Application, Add	*16.43*	
02 83 19 13-0076	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	32.47	
		For 0.025" (25 mil) Application, Add	*1.87*	
		For 0.03" (30 mil) Application, Add	*2.97*	
		For 0.125" (125 mil) Application, Add	*15.62*	

02 83 19 13-0077 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0078	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.56
02 83 19 13-0079	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.50
02 83 19 13-0080	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.95
02 83 19 13-0081	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.49
02 83 19 13-0082	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	71.59
02 83 19 13-0083	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	94.97
02 83 19 13-0084	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.60
02 83 19 13-0085	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	5.93
02 83 19 13-0086	SF	Demolish Brick, Lead Contaminated Material	4.47
02 83 19 13-0087	SF	Demolish Concrete Block, Lead Contaminated Material	5.76
02 83 19 13-0088	SF	Demolish Tile, Lead Contaminated Material	4.34
02 83 19 13-0089	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.52
02 83 19 13-0090	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.08
02 83 19 13-0091	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	6.77
02 83 19 13-0092	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	7.42
02 83 19 13-0093	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.93
02 83 19 13-0094	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.41
02 83 19 13-0095	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.57
02 83 19 13-0096	SF	Demolish Concrete, Lead Contaminated Material	14.77
02 83 19 13-0097	LF	Demolish Cabinets, Lead Contaminated Material	34.39
02 83 19 13-0098	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.95
02 83 19 13-0099	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	19.06
02 83 19 13-0100	SF	Demolish Cornice, Lead Contaminated Material	2.53
02 83 19 13-0101	EA	Demolish Doors, Lead Contaminated Material	74.61
02 83 19 13-0102	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.27
02 83 19 13-0103	EA	Demolish Electrical Devices, Lead Contaminated Material	22.89
02 83 19 13-0104	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.94
02 83 19 13-0105	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	4.89
02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material	3.52
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material	4.14
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material	8.33
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	17.89
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.34
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	10.70
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	16.17
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	29.82
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material	128.79
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material	50.19
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material	1.99
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material	1.70
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.64
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material	5.47
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material	7.17
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material	5.30
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material	17.81
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material	8.53
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.27
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	10.23
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.81
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material	7.70
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.76
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	23.50
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	5.13
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material	14.10
02 83 19 13-0132	LF	Demolish Roof Metal Trim, Lead Contaminated Material	3.00
02 83 19 13-0133	LF	Demolish Rain Gutters, Lead Contaminated Material	5.17
02 83 19 13-0134	LF	Demolish Downspouts, Lead Contaminated Material	4.23
02 83 19 13-0135	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.22
02 83 19 13-0136	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	3.00
02 83 19 13-0137	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	7.53
02 83 19 13-0138	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	7.53
02 83 19 13-0139	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	5.41
02 83 19 13-0140	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	4.23
02 83 19 13-0141	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.29
02 83 19 13-0142	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	23.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0143	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.		16.72
02 83 19 13-0144	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.		12.53
02 83 19 13-0145	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.		9.40
02 83 19 13-0146		Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)* Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0147	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting		3.58
02 83 19 13-0148		Lead Abatement Encapsulation *(02 83 19 13)* Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0149	SF	Balustrades, Lead Abatement Encapsulation		6.53
02 83 19 13-0150	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation		6.45
02 83 19 13-0151	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation		8.75
02 83 19 13-0152	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation		4.20
02 83 19 13-0153	SF	Ornate Cabinets, Lead Abatement Encapsulation		9.43
02 83 19 13-0154	SF	Simple Design Cabinets, Lead Abatement Encapsulation		7.69
02 83 19 13-0155	SF	Drywall Ceilings, Lead Abatement Encapsulation		2.65
02 83 19 13-0156	SF	Wood Ceilings, Lead Abatement Encapsulation		3.21
02 83 19 13-0157	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation		2.98
02 83 19 13-0158	SF	Columns, Lead Abatement Encapsulation		5.07
02 83 19 13-0159	SF	Doors, Lead Abatement Encapsulation		9.65
02 83 19 13-0160	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation		4.26
02 83 19 13-0161	SF	Picket Fence (Brush), Lead Abatement Encapsulation		3.04
02 83 19 13-0162	SF	Wood Floors (Roller), Lead Abatement Encapsulation		2.54
02 83 19 13-0163	SF	Grilles, Vents, Lead Abatement Encapsulation		7.03
02 83 19 13-0164	LF	Gutters And Downspouts, Lead Abatement Encapsulation		6.53
02 83 19 13-0165	EA	Hangers, Lead Abatement Encapsulation		55.35
02 83 19 13-0166	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation		3.96
02 83 19 13-0167	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation		5.72
02 83 19 13-0168	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation		8.88
02 83 19 13-0169	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation		13.10
02 83 19 13-0170	EA	Radiators, Lead Abatement Encapsulation		143.76
02 83 19 13-0171	EA	Up To 6' Shutters, Lead Abatement Encapsulation		205.27
02 83 19 13-0172	SF	Siding, Lead Abatement Encapsulation		3.62
02 83 19 13-0173	SF	Up To 12" Soffit, Lead Abatement Encapsulation		5.07
02 83 19 13-0174	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation		4.20
02 83 19 13-0175	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation		5.48
02 83 19 13-0176	SF	Trusses, Lead Abatement Encapsulation		5.48
02 83 19 13-0177	SF	Drywall Walls, Lead Abatement Encapsulation		2.36
02 83 19 13-0178	SF	Wood Walls, Lead Abatement Encapsulation		2.89
02 83 19 13-0179	EA	Window Without Grille, Lead Abatement Encapsulation		121.87
02 83 19 13-0180	EA	Window With Grille, Lead Abatement Encapsulation		156.63
02 83 19 13-0181	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation		3.72
02 83 19 13-0182	LF	Steel Lintels, Lead Abatement Encapsulation		4.28
02 83 33		**Removal and Disposal of Material Containing Lead** *(02 83)*		
02 83 33 13		**Lead-Based Paint Removal and Disposal** *(02 83 33)*		
02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent		0.31
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate		0.30
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting		1.49
02 84		**Polychlorinated Biphenyl Remediation** *(02 80)*		
02 84 16		**Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury** *(02 84)*		
02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)* Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling		10.76
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)* Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures		3.31
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures		4.21
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures		9.96
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures		20.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)* Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	6.03	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.30	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	25.59	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	49.70	

02 84 33 Removal and Disposal of Polychlorinated Biphenyls *(02 84)*

02 84 33 00-0001		Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)* Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	4,325.99	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	6,798.83	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	1,862.34	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	8,191.75	
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	3,304.41	
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	12,922.61	

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)* Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)* Note: Diameter is outer size of insulation.		
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)* Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	843.91	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.75	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.68	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.64	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.10	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.32	
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	873.23	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	39.05	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.77	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.82	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.61	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.57	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*		
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	858.57	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	19.02	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.40	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.92	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.48	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)* Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)* Note: Remove surface coat from brown coat or remove entire assembly, including lath.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	850.43	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	18.86	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.24	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.76	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.17	
02 87 13 33-0031		**Acoustical Plaster, Mold Abatement And Disposal** *(02 87 13 33-0024)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	850.43	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	18.86	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.24	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	10.76	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.17	
02 87 13 33-0037		**Gypsum Board, Mold Abatement And Disposal** *(02 87 13 33-0024)*		
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	866.72	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.32	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	5.02	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.98	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.94	
02 87 13 33-0043		**Fireproofing, Mold Abatement And Disposal** *(02 87 13 33-0024)*		
		Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	858.57	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	26.04	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	19.67	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.88	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.28	
02 87 13 33-0049		**Flooring, Mold Abatement And Disposal** *(02 87 13 33)*		
		Note: Includes cove base.		
02 87 13 33-0050		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0051		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0050)*		
		Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	866.72	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.29	
		For Each Additional Layer, Add	*1.57*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.53	
		For Each Additional Layer, Add	*0.88*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.07	
		For Each Additional Layer, Add	*0.52*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.61	
		For Each Additional Layer, Add	*0.40*	
02 87 13 33-0057		**Carpet, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0058		**Carpet, Glue Down, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	866.72	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.23	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.31	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.22	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.72	
02 87 13 33-0064		**Carpet, Padded With Tack Strips, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	866.72	
		Note: Includes tack strips.		
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	5.89	
		Note: Includes tack strips.		
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	4.30	
		Note: Includes tack strips.		
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	3.42	
		Note: Includes tack strips.		
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.65	
		Note: Includes tack strips.		
02 87 13 33-0070		**Subflooring, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	858.57	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.23	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.65	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.82	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0076		Siding, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0077		Interior Paneling, Mold Abatement And Disposal *(02 87 13 33-0076)*		
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	866.72	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	6.27	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	4.42	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.59	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.00	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083		Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	866.72	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.78	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.41	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.66	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.31	
02 87 13 33-0089		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0090		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	873.23	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.81	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	21.20	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	16.38	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.50	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.26	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.62	
02 87 13 33-0098		Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0099		Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0098)*		
		Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	433.35	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.52	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.63	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.05	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.56	
02 87 13 33-0105		Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0098)*		
		Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	866.72	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.76	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.08	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.66	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.61	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.53	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.11	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.71	
02 87 13 33-0114		Caulking, Mold Abatement And Disposal *(02 87 13 33-0098)*		
02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	209.07	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.20	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	3.01	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.28	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.70	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.38	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.18	
02 87 13 33-0122		Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*		
02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	23.18	
		For >25 To 50, Deduct	*-2.32*	
		For >50 To 200, Deduct	*-5.79*	
		For >200, Deduct	*-9.27*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	27.27	
		For >25 To 50, Deduct	*-2.73*	
		For >50 To 200, Deduct	*-6.82*	
		For >200, Deduct	*-10.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	31.02	
		For >25 To 50, Deduct	*-3.10*	
		For >50 To 200, Deduct	*-7.75*	
		For >200, Deduct	*-12.40*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	25.28	
		For >25 To 50, Deduct	*-2.53*	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	32.10	
		For >25 To 50, Deduct	*-3.21*	
		For >50 To 200, Deduct	*-8.02*	
		For >200, Deduct	*-12.84*	

02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	924.83	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	97.53	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	72.29	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	866.17	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	81.57	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	56.34	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, cleanup, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	834.13	
		For Work In Restricted Working Space, Add	*250.24*	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	13.91	
		For Work In Restricted Working Space, Add	*4.17*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.64	
		For Work In Restricted Working Space, Add	*3.79*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.49	
		For Work In Restricted Working Space, Add	*3.45*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.45	
		For Work In Restricted Working Space, Add	*3.14*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	725.65
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	689.34
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	544.08
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	628.81
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,228.01
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	250.41
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.56
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	356.77
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	208.05
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,470.11
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	208.05
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,106.96
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.50
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.51

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.65
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.85
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.15
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.97	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.27	
02 87 19 00-0024		**Temporary Floor Protection For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
		Note: Includes removal after use.		
02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.11	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.13	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.50	
02 87 19 00-0028		**Temporary Stud Wall For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
		Note: Includes removal after use.		
02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.09	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.82	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.26	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.16	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.11	
02 87 19 00-0034		**Isolation Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	26.87	
		Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.31	
02 87 19 00-0037		**Plexiglass Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	22.73	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	26.59	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	37.08	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control	1,536.96	
		Note: Excludes gloves.		
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	550.66	
		Note: For installation in glove iris port.		
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	876.12	
		Note: For installation in glove iris port.		
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease	163.13	
		Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
02 87 19 00-0045		**Temporary Portable And Mobile Trailers** *(02 87 19)*		
02 87 19 00-0046		**Trailer Delivery** *(02 87 19 00-0045)*		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,250.55	
02 87 19 00-0048		**Portable And Mobile Trailers, Purchase** *(02 87 19 00-0045)*		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,425.69	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	18,964.63	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,054.68	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	33,803.20	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	38,429.63	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	40,403.60	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	44,956.80	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0056		**Accessories For Portable And Mobile Trailers** *(02 87 19 00-0045)*		
02 87 19 00-0057		**Skirting** *(02 87 19 00-0056)*		
		Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	5.83	2.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	8.60	3.87
02 87 19 00-0060		**Aluminum Modular Access Ramp** *(02 87 19 00-0056)* Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	3,932.44	44.97
02 87 19 00-0062		**Aluminum Modular Stairs** *(02 87 19 00-0056)* Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,088.27	
02 87 19 00-0064		**Decontamination Chambers For Bio-Hazard And Infectious Disease Control** *(02 87 19)* Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,072.35	
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,264.59	
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	660.27	
02 87 19 00-0068		**Bio-Hazard And Infectious Disease Control Cleaning, Level 2** *(02 87 19)* Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		**Bio-Hazard And Infectious Disease Control Cleaning Mobilization** *(02 87 19 00-0068)*		
02 87 19 00-0070	EA	Mobilization And Set-Up For Bio-Hazard And Infectious Disease Control Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.	433.13	
02 87 19 00-0071		**Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces** *(02 87 19 00-0068)* Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	32.10	
		For >25 To 50, Deduct	*-3.21*	
		For >50 To 200, Deduct	*-6.42*	
		For >200, Deduct	*-9.62*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.42*	
		For Level 3 Biohazard Cleaning, Add	*10.59*	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.76	
		For >25 To 50, Deduct	*-3.77*	
		For >50 To 200, Deduct	*-7.55*	
		For >200, Deduct	*-11.32*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.55*	
		For Level 3 Biohazard Cleaning, Add	*12.45*	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	42.96	
		For >25 To 50, Deduct	*-4.29*	
		For >50 To 200, Deduct	*-8.59*	
		For >200, Deduct	*-12.88*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.59*	
		For Level 3 Biohazard Cleaning, Add	*14.17*	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.02	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For >5 To 10, Deduct	*-1.75*	
		For >10 To 50, Deduct	*-3.50*	
		For >50, Deduct	*-7.00*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.00*	
		For Level 3 Biohazard Cleaning, Add	*11.55*	
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	44.45	
		For >25 To 50, Deduct	*-4.44*	
		For >50 To 200, Deduct	*-8.89*	
		For >200, Deduct	*-13.33*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.89*	
		For Level 3 Biohazard Cleaning, Add	*14.66*	
02 87 19 00-0077		**Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** *(02 87 19 00-0068)* Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	82.99	
		For Level 1 Biohazard Cleaning, Deduct	*-16.59*	
		For Level 3 Biohazard Cleaning, Add	*27.38*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	38.08	
		For Level 1 Biohazard Cleaning, Deduct	*-7.61*	
		For Level 3 Biohazard Cleaning, Add	*12.56*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.00*	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	133.68	
		For Level 1 Biohazard Cleaning, Deduct	*-26.73*	
		For Level 3 Biohazard Cleaning, Add	*44.11*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	8.24	
		For Level 1 Biohazard Cleaning, Deduct	*-1.64*	
		For Level 3 Biohazard Cleaning, Add	*2.71*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	123.24	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
		For Level 1 Biohazard Cleaning, Deduct	*-24.64*	
		For Level 3 Biohazard Cleaning, Add	*40.66*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	13.16	
		For Level 1 Biohazard Cleaning, Deduct	*-2.63*	
		For Level 3 Biohazard Cleaning, Add	*4.34*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	

02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork *(02 87 19 00-0068)*

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.85	
		For Level 1 Biohazard Cleaning, Deduct	*-0.96*	
		For Level 3 Biohazard Cleaning, Add	*1.59*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.08	
		For Level 1 Biohazard Cleaning, Deduct	*-1.20*	
		For Level 3 Biohazard Cleaning, Add	*1.99*	
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	8.14	
		For Level 1 Biohazard Cleaning, Deduct	*-1.60*	
		For Level 3 Biohazard Cleaning, Add	*2.65*	
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	11.53	
		For Level 1 Biohazard Cleaning, Deduct	*-2.26*	
		For Level 3 Biohazard Cleaning, Add	*3.72*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	216.58	
		For Level 1 Biohazard Cleaning, Deduct	*-43.31*	
		For Level 3 Biohazard Cleaning, Add	*71.46*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	15.06	
		For Level 1 Biohazard Cleaning, Deduct	*-3.01*	
		For Level 3 Biohazard Cleaning, Add	*4.96*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	144.40	
		For Level 1 Biohazard Cleaning, Deduct	*-28.88*	
		For Level 3 Biohazard Cleaning, Add	*47.65*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	433.15	
		For Level 1 Biohazard Cleaning, Deduct	*-86.63*	
		For Level 3 Biohazard Cleaning, Add	*142.93*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	36.11	
		Note: Includes removal and reinstallation.		
		For Level 1 Biohazard Cleaning, Deduct	*-7.22*	
		For Level 3 Biohazard Cleaning, Add	*11.91*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.65	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.73	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	101.47
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	432.17
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	1,210.08
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	160.68
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	441.86
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	1,205.08
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	34.77
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	95.61
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	260.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	112.00	
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	460.00	
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	1,390.00	
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Cleanup Note: Required if over 800 hours operation.	124.01	
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	342.34	
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	684.68	
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,369.37	
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	456.46	
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	912.91	
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,825.82	
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,008.89	
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,017.78	
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	4,035.55	
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,345.18	
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,690.37	
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	5,380.74	
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,681.48	
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	3,362.96	
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	6,725.92	
02 87 19 00-0125	EA	Set-up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	132.38	
02 87 19 00-0126	EA	Set-up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	264.74	
02 87 19 00-0127	EA	Set-up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	794.23	
02 87 19 00-0128	EA	Set-up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	1,588.46	
02 87 19 00-0129	EA	Set-up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	2,647.43	
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	74.86	
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	205.86	
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	561.44	

02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck *(02 87 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	114.48	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.43*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Cleanup Note: Each first 15 miles per trip	169.65	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.12*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	175.58	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.19*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	183.32	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.29*	

02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	52.79	

02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters *(02 87 19)*

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,717.61	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,491.12	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,431.00	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	6.95	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,039.65	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	33,406.96	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,164.42	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	52,582.00	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	317.60	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	95.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0151		**Bio-Hazard And Infectious Disease Time And Material Tasks** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152		**Bio-Hazard And Infectious Disease Control Labor** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Cleanup	111.17	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Cleanup	163.49	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Cleanup	103.65	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Cleanup	124.63	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Cleanup	137.06	
02 87 19 00-0158		**Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	11.51	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	18.61	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	12.06	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	129.50	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	40.21	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	395.08	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	54.01	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	98.12	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	20.86	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	17.81	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,640.77	
02 87 19 00-0170		**Bio-Hazard And Infectious Disease Control Expendables** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0031 for temporary walls.		
02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Cleanup	8.97	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Cleanup	4.34	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Cleanup	87.93	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Cleanup Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	359.84	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Cleanup	9.21	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Cleanup	5.76	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Cleanup	11.44	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Cleanup	78.62	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Cleanup	46.12	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Cleanup	6.72	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Cleanup	18.00	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Cleanup	141.99	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001		**Barriers And Protection** *(02 89)* Note: Includes removal and disposal after use.		
02 89 00 00-0002		**Isolation Barriers** *(02 89 00 00-0001)* See CSI section 01 56 16 00-0031 for temporary stud walls.		
02 89 00 00-0003		**Cleaning Surfaces** *(02 89 00 00-0001)* Note: Other surfaces outside contamination area but not contaminated by, or part of removal.		
02 89 00 00-0004	SF	Up To 100 SF, Clean Non-Asbestos Surface	2.04	
02 89 00 00-0005	SF	>100 To 500 SF, Clean Non-Asbestos Surface	1.44	
02 89 00 00-0006	SF	>500 To 1,000 SF, Clean Non-Asbestos Surface	0.94	
02 89 00 00-0007	SF	>1,000 SF, Clean Non-Asbestos Surface	0.73	
02 89 00 00-0008		**Hazmat Containment Construction Plastic Sheeting** *(02 89 00 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0009	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.51	
02 89 00 00-0010	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.67	
02 89 00 00-0011	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.90	
02 89 00 00-0012	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.79	
02 89 00 00-0013	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	1.00	
02 89 00 00-0014	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.31	

02 89 00 00-0015 Decontamination Chambers *(02 89)*

Note: Includes removal after use.

02 89 00 00-0016	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,088.28	
02 89 00 00-0017	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,283.73	
02 89 00 00-0018	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	673.01	
		For Dismantling And Relocation To A Different Area, Add	*442.47*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Cleanup *(02 90)*

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal *(02 90 50)*

Note: For materials not requiring mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	27.42
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	6.67
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.56
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.67
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.65
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.02

02 90 50 00-0008 Cleaning *(02 90 50)*

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings *(02 90 50 00-0008)*

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	28.40	
		For Medium Clean, Add	*11.93*	
		For Heavy Clean, Add	*36.92*	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.58	
		For Medium Clean, Add	*0.66*	
		For Heavy Clean, Add	*2.05*	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.84	
		For Medium Clean, Add	*1.19*	
		For Heavy Clean, Add	*3.69*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.20	
		For Medium Clean, Add	*3.44*	
		For Heavy Clean, Add	*10.66*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.51	
		For Medium Clean, Add	*11.13*	
		For Heavy Clean, Add	*34.46*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	163.49	
		For Medium Clean, Add	*68.67*	
		For Heavy Clean, Add	*212.54*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.46	
		For Medium Clean, Add	*14.05*	
		For Heavy Clean, Add	*43.50*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.56	
		For Medium Clean, Add	*13.26*	
		For Heavy Clean, Add	*41.03*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.92	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.00*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.86	
		For Medium Clean, Add	*3.72*	
		For Heavy Clean, Add	*11.52*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.20	
		For Medium Clean, Add	*5.96*	
		For Heavy Clean, Add	*18.46*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.63	
		For Medium Clean, Add	*5.30*	
		For Heavy Clean, Add	*16.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.03	
		For Medium Clean, Add	*1.27*	
		For Heavy Clean, Add	*3.94*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.41	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.53*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.08	
		For Medium Clean, Add	*2.55*	
		For Heavy Clean, Add	*7.90*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.56*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.93	
		For Medium Clean, Add	*0.39*	
		For Heavy Clean, Add	*1.21*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.83	
		For Medium Clean, Add	*0.35*	
		For Heavy Clean, Add	*1.08*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.48*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.38*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.25*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	66.57	
		For Medium Clean, Add	*27.96*	
		For Heavy Clean, Add	*86.54*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	83.21	
		For Medium Clean, Add	*34.95*	
		For Heavy Clean, Add	*108.17*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	99.85	
		For Medium Clean, Add	*41.94*	
		For Heavy Clean, Add	*129.81*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	116.49	
		For Medium Clean, Add	*48.93*	
		For Heavy Clean, Add	*151.44*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.73	
		For Medium Clean, Add	*0.31*	
		For Heavy Clean, Add	*0.95*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.48	
		For Medium Clean, Add	*0.62*	
		For Heavy Clean, Add	*1.92*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.71	
		For Medium Clean, Add	*0.72*	
		For Heavy Clean, Add	*2.22*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.02*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.78	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.90	
		For Medium Clean, Add	*0.80*	
		For Heavy Clean, Add	*2.47*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.19	
		For Medium Clean, Add	*0.92*	
		For Heavy Clean, Add	*2.85*	
02 90 50 00-0053		**Clean Appliances** *(02 90 50 00-0008)*		
02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.08	
		For Medium Clean, Add	*5.49*	
		For Heavy Clean, Add	*17.00*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	30.81	
		For Medium Clean, Add	*12.94*	
		For Heavy Clean, Add	*40.05*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	26.63	
		For Medium Clean, Add	*11.18*	
		For Heavy Clean, Add	*34.62*	
02 90 50 00-0057		**Clean Plumbing** *(02 90 50 00-0008)*		
02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	18.94	
		For Medium Clean, Add	*7.95*	
		For Heavy Clean, Add	*24.62*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	19.12	
		For Medium Clean, Add	*8.03*	
		For Heavy Clean, Add	*24.86*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	8.78	
		For Medium Clean, Add	*3.69*	
		For Heavy Clean, Add	*11.41*	
02 90 50 00-0061		**Clean HVAC** *(02 90 50 00-0008)*		
02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.66	
		For Medium Clean, Add	*2.38*	
		For Heavy Clean, Add	*7.36*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.78	
		For Medium Clean, Add	*6.63*	
		For Heavy Clean, Add	*20.51*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	60.60	
		For Medium Clean, Add	*25.45*	
		For Heavy Clean, Add	*78.78*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.68	
		For Medium Clean, Add	*2.39*	
		For Heavy Clean, Add	*7.38*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.34	
		For Medium Clean, Add	*16.52*	
		For Heavy Clean, Add	*51.14*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	35.03	
		For Medium Clean, Add	*14.71*	
		For Heavy Clean, Add	*45.54*	
02 90 50 00-0068		**Clean Electrical** *(02 90 50 00-0008)*		
02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	23.36	
		For Medium Clean, Add	*9.81*	
		For Heavy Clean, Add	*30.37*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	25.25	
		For Medium Clean, Add	*10.61*	
		For Heavy Clean, Add	*32.83*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.82	
		For Medium Clean, Add	*13.78*	
		For Heavy Clean, Add	*42.67*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	23.05	
		For Medium Clean, Add	*9.68*	
		For Heavy Clean, Add	*29.97*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.15	
		For Medium Clean, Add	*6.36*	
		For Heavy Clean, Add	*19.70*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	6.94	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.02*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.89	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.46*	
02 90 50 00-0077		**Thermal Fog** *(02 90 50 00-0008)*		
02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0079		**Contents Manipulation** *(02 90 50)*		
02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.25	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.30	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.50	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	151.93	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	201.49	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	146.82	
02 90 50 00-0086		**Water Disaster Clean-up** *(02 90 50)*		
02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.69	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.23	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.53	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.47	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.76	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.20	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.38	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.67	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.98	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.93	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.36	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.51	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.72	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.53	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.29	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.29	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.29	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.37	
02 90 50 00-0107		**Board Up And Tarp Up** *(02 90 50)*		
02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.24	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.51	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.66	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.80	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.89	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.04	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.18	
02 90 50 00-0115		**Minimum Charge For Disaster Cleanup** *(02 90 50)*		
02 90 50 00-0116	EA	Minimum Charge For Disaster Cleaning	1,447.55	
02 90 50 00-0117	EA	Minimum Charge For Disaster Water Extraction	279.05	
02 90 50 00-0118	EA	Minimum Charge For Disaster Carpet Cleaning	195.62	
02 90 50 00-0119		**Document Restoration** *(02 90 50)*		
02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	101.02	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	50.50	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.41	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.38	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.14	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.02	
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.11	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	303.05	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	40.40	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.06	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.21	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	130.36	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.21	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.21	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.23	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	195.37	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.23	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.23	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.41	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	260.68	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.41	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.41	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.39	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.39	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.39	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	325.79	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.52	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	488.83	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.52	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.52	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.09	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.95	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	101.02	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	141.44	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.09	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.95	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.06	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.11	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	40.40	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.58	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.76	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.74	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.54	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.09	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.03	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.17	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	54.65	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	14.91	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	181.83	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	141.44	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	121.22	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	161.63	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	303.05	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	185.91	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	40.40	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.05	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	135.56	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	116.19	
02 90 50 00-0180	EA	Minimum Charge For Up To 48 CF, Irradiation - Gamma For Document Restoration	3,195.22	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.05	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,345.87	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	225.04	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.11	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.32	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.70	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	32.51	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Cleanup	62.16	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Cleanup	43.51	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Cleanup	59.83	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Cleanup	97.90	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Cleanup	81.58	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Cleanup	114.22	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Cleanup	163.17	
02 90 55 00-0010	HR	Equipment Technician For Emergency Cleanup	119.66	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Cleanup	59.57	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Cleanup	81.58	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Cleanup	38.07	
02 90 55 00-0014	HR	Project Accountant For Emergency Cleanup	62.16	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Cleanup	86.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Cleanup	103.86	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Cleanup	93.24	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Cleanup	67.34	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Cleanup	65.27	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Cleanup	53.87	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Cleanup	33.15	

02 90 55 00-0022 Emergency Clean-up Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0023 General Emergency Clean-up Equipment *(02 90 55 00-0022)*

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	101.47	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	387.07	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,059.76	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.42	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	88.86	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	245.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	61.32	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	156.44	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	369.19	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	337.90	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	907.34	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,528.03	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	763.42	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,014.92	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,431.51	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	71.73	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	203.78	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	700.99	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	66.84	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	179.32	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	464.61	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	106.94	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	305.17	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	852.92	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	994.41	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,983.22	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,949.65	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	78.25	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	176.06	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	469.50	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	97.81	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	220.08	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	586.87	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	73.36	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	104.33	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	285.28	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	798.80	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	127.16	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	432.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	823.25	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	118.21	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	325.08	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	886.59	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	40.76	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	24.45	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	65.21	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	179.32	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	489.06	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	81.51	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	224.15	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	611.32	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	122.26	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,752.59	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	34.77	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	95.61	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	260.76	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	50.07	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	137.68	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	375.50	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	196.82	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	541.27	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,476.18	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	165.56	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	455.30	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,241.72	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	19.56	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	53.80	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	146.72	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	135.02	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	371.31	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,012.67	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	145.70	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	27.71	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.03	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	30.60	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	41.72	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	114.73	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	312.91	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	73.36	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	201.74	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	550.19	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	173.84	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	97.81	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	139.07	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	208.61	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	139.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	105.96	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	40.76	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,739.09	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.04	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	35.86	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	97.81	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	88.10	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	259.20	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	887.19	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	173.71	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	409.47	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,141.56	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	186.12	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	465.31	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,253.23	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.69	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	34.77	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	250.24	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	124.22	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	202.53	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	273.37	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	269.14	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	224.14	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,010.87	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.77	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	95.61	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	260.76	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	118.21	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	325.08	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	886.59	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	29.70	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	81.69	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	222.79	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	301.59	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	317.89	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	115.74	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	309.74	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	864.01	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	34.77	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	95.61	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	260.76	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	102.70	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	821.62	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	257.57	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	515.14	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,030.29	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	342.34	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	684.68	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,369.37	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	391.25	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	782.50	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,564.99	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	456.46	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	912.91	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,825.82	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	246.49	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	677.84	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,848.65	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	74.86	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	205.86	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	561.44	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	40.67	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	40.76	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	112.08	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	305.66	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	785.83	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,161.04	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	5,893.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	146.72	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	403.47	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,100.38	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,121.59	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,084.36	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,411.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	927.15	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,549.67	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	6,953.66	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	72.01	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	198.03	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	540.09	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	44.11	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	121.30	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	330.81	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.45	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	67.25	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	183.40	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	113.42	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	311.90	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	850.64	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	366.80	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,008.69	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,750.96	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,018.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,801.91	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,641.56	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.56	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.80	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	146.72	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	570.57	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,569.07	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,279.28	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	40.76	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	112.08	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	305.66	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	337.56	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	928.28	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,531.67	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	160.68	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	441.86	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,205.08	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	173.84	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	478.06	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,303.80	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	59.36	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	163.24	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	445.20	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.93	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	272.07	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	742.00	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	215.56	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	592.80	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	1,616.72	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	139.07	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	382.45	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,043.04	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	165.56	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	455.30	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,241.72	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	192.05	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	528.14	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,440.39	
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	231.79	
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	637.42	
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,738.41	
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	486.75	
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,338.57	
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,650.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	834.44	
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,294.70	
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,258.26	
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,341.72	
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,689.73	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,062.89	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,668.87	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,589.39	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,516.52	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,877.48	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,163.07	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,081.09	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,016.55	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,545.52	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,124.13	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,649.00	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,284.75	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,867.50	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,781.45	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,648.99	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,860.88	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	660.83	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,817.28	
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,956.23	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	915.00	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,516.24	
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,862.47	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	834.44	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,294.70	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,258.26	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,112.58	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,059.60	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,344.35	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,877.48	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,163.07	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,081.09	
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,086.09	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,736.74	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	15,645.66	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	27.81	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	76.49	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	208.61	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	40.76	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	112.08	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	305.66	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,567.86	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,311.62	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	71,758.97	

02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,258.72	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,130.15	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,077.59	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,582.52	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,841.25	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,289.80	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,455.52	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,972.98	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,007.88	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.53	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	155.89	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	337.56	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.58	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	54.22	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	4.08	

02 90 55 00-0333 Freight Charges *(02 90 55 00-0022)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.04	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.30	

02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.51	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.08	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.76	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.61	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	129.50	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.04	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	5.89	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.64	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	40.21	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	44.83	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.05	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	20.86	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.44	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.37	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.76	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.19	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.74	
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.43	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.44	
02 90 55 00-0360	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.81	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.06	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.89	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.28	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	6.95	

02 90 55 00-0365 Emergency Clean-up Expendables *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0366 General Materials *(02 90 55 00-0365)*

02 90 55 00-0367	GAL	Adhesive Remover For Emergency Clean-up	83.44	
02 90 55 00-0368	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	27.79	
02 90 55 00-0369	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	35.46	
02 90 55 00-0370	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.40	
02 90 55 00-0371	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0372	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0373	GAL	Bleach For Emergency Clean-up	8.97	
02 90 55 00-0374	EA	Small Stainless Brush For Emergency Clean-up	7.20	
02 90 55 00-0375	EA	2-1/2 Gallon Buckets For Emergency Clean-up	6.89	
02 90 55 00-0376	EA	5 Gallon Bucket For Emergency Clean-up	10.43	
02 90 55 00-0377	GAL	Carpet Defoamer For Emergency Clean-up	26.84	
02 90 55 00-0378	GAL	Carpet Pre-treat For Emergency Clean-up	26.64	
02 90 55 00-0379	GAL	Carpet Spotter For Emergency Clean-up	44.65	
02 90 55 00-0380	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0381	ROL	Carpet Masking/Shield For Emergency Clean-up	111.47	
02 90 55 00-0382	EA	Chemical Sponge For Emergency Clean-up	3.28	
02 90 55 00-0383	GAL	Clear Seal For Emergency Clean-up	112.19	
02 90 55 00-0384	GAL	Coil Cleaner For Emergency Clean-up	76.74	
02 90 55 00-0385	EA	Decontamination Chamber For Emergency Clean-up	333.47	
02 90 55 00-0386	GAL	All Purpose Degreaser For Emergency Clean-up	36.72	
02 90 55 00-0387	GAL	De-Foamer Liquid For Emergency Clean-up	48.25	
02 90 55 00-0388	EA	Deodorization Membrane For Emergency Clean-up	93.46	
02 90 55 00-0389	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	144.24	
02 90 55 00-0390	LB	Deodorizing Gel For Emergency Clean-up	33.89	
02 90 55 00-0391	GAL	Deodorizing Liquid For Emergency Clean-up	49.56	
02 90 55 00-0392	PAIL	Deodorizing Block For Emergency Clean-up	8.52	
02 90 55 00-0393	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	87.93	
02 90 55 00-0394	GAL	BruClean Disinfectant For Emergency Clean-up	39.04	
02 90 55 00-0395	GAL	Dryclean For Emergency Clean-up	38.94	
02 90 55 00-0396	GAL	Duct Sealant Spray For Emergency Clean-up	58.69	
02 90 55 00-0397	GAL	Antifungal Duct Sealant For Emergency Clean-up	84.77	
02 90 55 00-0398	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	130.08	
02 90 55 00-0399	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53	
02 90 55 00-0400	GAL	Encapsulant For Emergency Clean-up	118.10	
02 90 55 00-0401	GAL	Aftershock Fiberlocke For Emergency Clean-up	103.70	
02 90 55 00-0402	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	100.66	
02 90 55 00-0403	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	103.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0404	ROL	Filter Material For Emergency Clean-up	299.07	
02 90 55 00-0405	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.06	
02 90 55 00-0406	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	639.66	
02 90 55 00-0407	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.07	
02 90 55 00-0408	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	13.66	
02 90 55 00-0409	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	48.64	
02 90 55 00-0410	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	462.65	
02 90 55 00-0411	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.21	
02 90 55 00-0412	GAL	Floor Stripper For Emergency Clean-up	18.26	
02 90 55 00-0413	GAL	Floor Wax For Emergency Clean-up	26.08	
02 90 55 00-0414	GAL	Fogger (Thermal) For Emergency Clean-up	152.98	
02 90 55 00-0415	BOX	Furniture Blocks For Emergency Clean-up	123.22	
02 90 55 00-0416	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.60	
02 90 55 00-0417	GAL	Glass Cleaner For Emergency Clean-up	11.07	
02 90 55 00-0418	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.36	
02 90 55 00-0419	EA	Halogen Light Bulbs For Emergency Clean-up	18.62	
02 90 55 00-0420	QT	Hand Sanitizer For Emergency Clean-up	9.21	
02 90 55 00-0421	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.58	
02 90 55 00-0422	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	23.59	
02 90 55 00-0423	GAL	HVAC Coal Cleaner For Emergency Clean-up	68.77	
02 90 55 00-0424	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	165.97	
02 90 55 00-0425	EA	Utility Knives For Emergency Clean-up	14.35	
02 90 55 00-0426	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	142.37	
02 90 55 00-0427	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	150.30	
02 90 55 00-0428	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	299.26	
02 90 55 00-0429	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	432.55	
02 90 55 00-0430	GAL	Lemon Oil For Emergency Clean-up	44.50	
02 90 55 00-0431	GAL	LPS 1/Mecca Lube For Emergency Clean-up	47.39	
02 90 55 00-0432	GAL	LPS 2 For Emergency Clean-up	50.16	
02 90 55 00-0433	GAL	LPS Contact Cleaner For Emergency Clean-up	49.92	
02 90 55 00-0434	GAL	Light Lubricant Preserve For Emergency Clean-up	173.25	
02 90 55 00-0435	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.08	
02 90 55 00-0436	GAL	Machinery Cleaning Solvent For Emergency Clean-up	213.06	
02 90 55 00-0437	GAL	Metal Polishing Paste For Emergency Clean-up	32.07	
02 90 55 00-0438	GAL	MediClean® Disinfectant For Emergency Clean-up	52.71	
02 90 55 00-0439	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	64.70	
02 90 55 00-0440	EA	Mop Heads For Emergency Clean-up	7.90	
02 90 55 00-0441	EA	Nylon Scouring Pads For Emergency Clean-up	1.43	
02 90 55 00-0442	GAL	Odor Neutralizer For Emergency Clean-up	44.65	
02 90 55 00-0443	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	86.31	
02 90 55 00-0444	EA	Paint Brushes For Emergency Clean-up	6.52	
02 90 55 00-0445	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	201.27	
02 90 55 00-0446	EA	Putty Knives For Emergency Clean-up	5.91	
02 90 55 00-0447	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	43.92	
02 90 55 00-0448	GAL	Reodorant For Emergency Clean-up	110.85	
02 90 55 00-0449	GAL	Restoracide For Emergency Clean-up	52.00	
02 90 55 00-0450	GAL	Rust Remover For Emergency Clean-up	77.88	
02 90 55 00-0451	EA	Saltesmo Test Samples For Emergency Clean-up	7.24	
02 90 55 00-0452	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.90	
02 90 55 00-0453	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	34.56	
02 90 55 00-0454	EA	Small Scrub Brushes For Emergency Clean-up	16.56	
02 90 55 00-0455	GAL	Clear Soot Sealant For Emergency Clean-up	90.32	
02 90 55 00-0456	GAL	Pigmented Soot Sealant For Emergency Clean-up	243.58	
02 90 55 00-0457	ROL	Shrinkwrap Plastic For Emergency Clean-up	56.07	
02 90 55 00-0458	EA	Dry Sponges For Emergency Clean-up	5.76	
02 90 55 00-0459	EA	Spray Adhesive, Per Can For Emergency Clean-up	5.85	
02 90 55 00-0460	EA	Spray Bot./Trigger For Emergency Clean-up	5.03	
02 90 55 00-0461	GAL	Stain Remover For Emergency Clean-up	40.33	
02 90 55 00-0462	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.02	
02 90 55 00-0463	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.46	
02 90 55 00-0464	LB	Sweeping Compound For Emergency Clean-up	0.71	
02 90 55 00-0465	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.44	
02 90 55 00-0466	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	10.77	
02 90 55 00-0467	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	28.69	
02 90 55 00-0468	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.32	
02 90 55 00-0469	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.73	
02 90 55 00-0470	LB	Terry Towels For Emergency Clean-up	6.72	
02 90 55 00-0471	GAL	Thermal Fog For Emergency Clean-up	90.74	
02 90 55 00-0472	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	35.60	
02 90 55 00-0473	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	86.40	
02 90 55 00-0474	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	110.85	
02 90 55 00-0475	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	141.99	
02 90 55 00-0476	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	47.59	
02 90 55 00-0477	EA	Backpack Vacuum Bags For Emergency Clean-up	1.60	
02 90 55 00-0478	EA	Upright Vacuum Bags For Emergency Clean-up	2.14	
02 90 55 00-0479	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0480	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	46.12	
02 90 55 00-0481	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	125.24	
02 90 55 00-0482	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	170.89	
02 90 55 00-0483	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0484	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	140.66	
02 90 55 00-0485	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.00	
02 90 55 00-0486	EA	Zip Wall Zippers For Emergency Clean-up	21.35	
02 90 55 00-0487	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	34.77	
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	52.17	
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	54.96	
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	89.74	

02 90 55 00-0491 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

02 90 55 00-0492	EA	Brush - Brass For Emergency Clean-up	4.89	
02 90 55 00-0493	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.56	
02 90 55 00-0494	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.30	
02 90 55 00-0495	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.11	
02 90 55 00-0496	EA	Brush - Parts For Emergency Clean-up	6.78	
02 90 55 00-0497	EA	Brush - Plastic For Emergency Clean-up	3.52	
02 90 55 00-0498	EA	Brush - Wire Grout For Emergency Clean-up	9.45	
02 90 55 00-0499	EA	Brushing Tool For Emergency Clean-up	18.23	
02 90 55 00-0500	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0501	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.39	
02 90 55 00-0502	EA	Contact Restorer, Per Can For Emergency Clean-up	29.65	
02 90 55 00-0503	EA	Contact Spray, Per Can For Emergency Clean-up	20.17	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.13	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	8.97	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.62	
02 90 55 00-0507	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.34	
02 90 55 00-0508	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.29	
02 90 55 00-0509	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.80	
02 90 55 00-0510	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.37	
02 90 55 00-0511	GAL	Electronic Grade Detergent For Emergency Clean-up	40.51	
02 90 55 00-0512	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0513	GAL	Isopropyl Alcohol For Emergency Clean-up	107.34	
02 90 55 00-0514	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	174.69	
02 90 55 00-0515	GAL	PC Board Detergent For Emergency Clean-up	83.75	
02 90 55 00-0516	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	137.68	
02 90 55 00-0517	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	138.71	
02 90 55 00-0518	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	148.27	
02 90 55 00-0519	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.61	
02 90 55 00-0520	EA	Wire Marker Card For Emergency Clean-up	2.28	
02 90 55 00-0521	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.53	

END OF SECTION 02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and cleanup of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	3.97
		For Up To 100, Add	*3.36*
		For >100 To 250, Add	*0.84*
		For >250 To 500, Add	*0.42*
		For >5,000 To 10,000, Deduct	*-0.08*
		For >10,000, Deduct	*-0.17*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	5.64
		For Up To 100, Add	*6.70*
		For >100 To 250, Add	*1.68*
		For >250 To 500, Add	*0.84*
		For >5,000 To 10,000, Deduct	*-0.17*
		For >10,000, Deduct	*-0.34*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.29
03 01 30 71-0005	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	23.05
03 01 30 71-0006	SF	Patch Decks Or Floors With Non-Slip Aggregate, White Aluminum Oxide Grit	0.65

03 01 30 71-0007 Verticals Or Overheads *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	10.92
03 01 30 71-0009	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	31.56
03 01 30 71-0010	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	35.53
03 01 30 71-0011	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.61
03 01 30 71-0012	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	16.97

03 01 30 71-0013 Circular Piers *(03 01 30 71-0002)*

03 01 30 71-0014	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.45
03 01 30 71-0015	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	23.12

03 01 30 71-0016 Bridge Deck Treatment *(03 01 30 71-0002)*

03 01 30 71-0017	SF	Sweep Bridge Deck	0.02
03 01 30 71-0018	SF	Clean Bridge Deck	0.02
03 01 30 71-0019	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.37

03 01 30 71-0020 Concrete Finishes *(03 01 30 71-0001)*

03 01 30 71-0021 Concrete Patching *(03 01 30 71-0020)*

03 01 30 71-0022 Walls *(03 01 30 71-0021)*

03 01 30 71-0023	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).	182.84
		For Up To 10, Add	*65.81*
		For >10 To 25, Add	*39.49*
		For >25 To 50, Add	*26.32*
		For >50 To 75, Add	*13.16*
03 01 30 71-0024	BAG	Sika Grout 212, 50 Lb. Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	126.02
		For Up To 10, Add	*41.67*
		For >10 To 25, Add	*25.00*
		For >25 To 50, Add	*16.67*
		For >50 To 75, Add	*8.33*
03 01 30 71-0025	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	43.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0026	BAG	Pea Gravel	32.72	

03 01 30 71-0027 Crack Repair For Concrete *(03 01 30 71-0001)*

03 01 30 71-0028 Non-Structural Crack Repair For Concrete *(03 01 30 71-0027)*

03 01 30 71-0029 Surface Applied, Non-Structural Crack Repair For Concrete *(03 01 30 71-0028)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0030	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.74	
		For V-Grooving Crack With Grinder, Add	*5.38*	
03 01 30 71-0031	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	8.81	
		For V-Grooving Crack With Grinder, Add	*5.24*	
03 01 30 71-0032	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	6.88	
		For V-Grooving Crack With Grinder, Add	*5.38*	
03 01 30 71-0033	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.10	
		For V-Grooving Crack With Grinder, Add	*5.24*	
03 01 30 71-0034	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.41	
		For V-Grooving Crack With Grinder, Add	*5.38*	
03 01 30 71-0035	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	10.14	
		For V-Grooving Crack With Grinder, Add	*5.24*	
03 01 30 71-0036	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.79	
		For V-Grooving Crack With Grinder, Add	*5.38*	
03 01 30 71-0037	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	10.90	
		For V-Grooving Crack With Grinder, Add	*5.24*	

03 01 30 71-0038 Pressure Injected, Non-Structural Crack Repair For Concrete *(03 01 30 71-0028)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0039	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	30.78	
		For Cracks Accessible From Both Sides, Add	*6.27*	

03 01 30 71-0040 Structural Crack Repair For Concrete *(03 01 30 71-0027)*

03 01 30 71-0041 Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0040)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.

03 01 30 71-0042	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.88	
		For V-Grooving Crack With Grinder, Add	*5.38*	
03 01 30 71-0043	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	11.10	
		For V-Grooving Crack With Grinder, Add	*5.24*	
03 01 30 71-0044	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	7.68	
		For V-Grooving Crack With Grinder, Add	*5.38*	
03 01 30 71-0045	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	10.69	
		For V-Grooving Crack With Grinder, Add	*5.24*	
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.38	
		For V-Grooving Crack With Grinder, Add	*5.38*	
03 01 30 71-0047	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	14.09	
		For V-Grooving Crack With Grinder, Add	*5.24*	

03 01 30 71-0048 Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0040)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0049	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	26.70	
		For Cracks Accessible From Both Sides, Add	*6.27*	
03 01 30 71-0050	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	26.49	
		For Cracks Accessible From Both Sides, Add	*6.27*	

03 01 30 71-0051 Pool Deck Texture Repair *(03 01 30 71-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0052	SF	Pool Deck Texture Repair Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.	20.11	
03 01 30 71-0053		Carbon Fiber Strengthening System *(03 01 30 71-0001)* Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0054	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	104.74	
		For >500 To 1,000, Deduct	*-6.97*	
		For >1,000 To 2,500, Deduct	*-9.41*	
		For >2,500, Deduct	*-12.20*	
03 01 30 71-0055	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	93.67	
		For >500 To 1,000, Deduct	*-6.14*	
		For >1,000 To 2,500, Deduct	*-8.30*	
		For >2,500, Deduct	*-10.82*	
03 01 30 71-0056	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	87.45	
		For >500 To 1,000, Deduct	*-5.67*	
		For >1,000 To 2,500, Deduct	*-7.68*	
		For >2,500, Deduct	*-10.04*	
03 01 30 71-0057	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	83.98	
		For >500 To 1,000, Deduct	*-5.41*	
		For >1,000 To 2,500, Deduct	*-7.33*	
		For >2,500, Deduct	*-9.61*	
03 01 30 71-0058	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	79.13	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000 To 2,500, Deduct	*-6.85*	
		For >2,500, Deduct	*-9.00*	
03 01 30 71-0059		Corrosive Inhibitor *(03 01 30 71)*		
03 01 30 71-0060	SF	Corrosive Inhibitor	6.20	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.42	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	8.22	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	5.69	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	8.85	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	17.69	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	15.80	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	31.60	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	6.82	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	13.31	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	9.48	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	18.96	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	6.32	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	15.17	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.48	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	20.22	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	35.49	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	101.11	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	37.92	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	20.22	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	20.22	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	65.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	126.61	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	175.85	
03 05 13 00-0025	CY	15% Fly Ash, Concrete Admixture	31.91	
		For Each Additional 5% By Volume, Add	*10.64*	

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	9.56	
		For <1,000, Add	*1.80*	
		For Foundations >8' Below Grade, Add	*1.74*	
		For Curved Formwork, Add	*3.47*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	11.40	
		For <1,000, Add	*2.16*	
		For Foundations >8' Below Grade, Add	*2.10*	
		For Curved Formwork, Add	*4.19*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	13.14	
		For <1,000, Add	*2.52*	
		For Foundations >8' Below Grade, Add	*2.47*	
		For Curved Formwork, Add	*4.94*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	10.96	
		For <1,000, Add	*2.09*	
		For Foundations >8' Below Grade, Add	*2.03*	
		For Curved Formwork, Add	*4.07*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	15.57	
		For <1,000, Add	*2.96*	
		For Foundations >8' Below Grade, Add	*2.88*	
		For Curved Formwork, Add	*5.75*	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	7.41	
		For Foundations >8' Below Grade, Add	*1.39*	
		For Curved Formwork, Add	*2.78*	
		For Up To 250, Add	*1.42*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	10.58	
		For Foundations >8' Below Grade, Add	*1.93*	
		For Curved Formwork, Add	*3.87*	
		For Up To 250, Add	*1.99*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	13.52	
		For Foundations >8' Below Grade, Add	*2.50*	
		For Curved Formwork, Add	*5.00*	
		For <1,000, Add	*2.57*	

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	57.09
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	82.77
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	104.04
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	149.48
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	214.53
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	283.63

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	17.43	
		For Curved Formwork, Add	*6.50*	
		For <1,000, Add	*3.33*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	20.66	
		For Curved Formwork, Add	*7.71*	
		For <1,000, Add	*3.95*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	22.91	
		For Curved Formwork, Add	*8.48*	
		For <1,000, Add	*4.36*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	14.45	
		For Curved Formwork, Add	*5.41*	
		For <1,000, Add	*2.77*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	13.47	
		For <1,000, Add	*2.49*	

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0028		**Foundation Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	9.55	
		For <1,000, Add	*1.71*	
		For Foundations >8' Below Grade, Add	*1.61*	
		For Curved Formwork, Add	*3.21*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	10.53	
		For <1,000, Add	*1.90*	
		For Foundations >8' Below Grade, Add	*1.80*	
		For Curved Formwork, Add	*3.59*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	11.89	
		For <1,000, Add	*2.12*	
		For Foundations >8' Below Grade, Add	*1.99*	
		For Curved Formwork, Add	*3.98*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	10.04	
		For <1,000, Add	*1.78*	
		For Foundations >8' Below Grade, Add	*1.67*	
		For Curved Formwork, Add	*3.34*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	15.12	
		Note: Excludes footing.		
		For <1,000, Add	*2.75*	
		For Foundations >8' Below Grade, Add	*2.61*	
		For Curved Formwork, Add	*5.21*	
03 11 13 00-0034		**Slab Edge And Block-Out Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.45	
		For Foundations >8' Below Grade, Add	*1.25*	
		For Curved Formwork, Add	*2.50*	
		For <250, Add	*1.26*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	8.10	
		For Foundations >8' Below Grade, Add	*1.55*	
		For Curved Formwork, Add	*3.11*	
		For <250, Add	*1.58*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	8.98	
		For Foundations >8' Below Grade, Add	*1.72*	
		For Curved Formwork, Add	*3.43*	
		For <1,000, Add	*1.74*	
03 11 13 00-0038		**Column Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0039		**Square Columns** *(03 11 13 00-0038)*		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	58.88	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	71.40	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	83.95	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	100.17	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	120.81	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	145.31	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	186.61	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	230.52	
03 11 13 00-0048		**Round Columns** *(03 11 13 00-0038)*		
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	65.20	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	71.92	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	81.91	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	94.36	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	110.67	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	126.20	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	166.37	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	223.94	
03 11 13 00-0057		**Above Grade Wall Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	9.60	
		For Curved Formwork, Add	*3.01*	
		For <1,000, Add	*1.64*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	11.79	
		For Curved Formwork, Add	*3.63*	
		For <1,000, Add	*2.00*	
03 11 13 00-0060		**Elevated Beam Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	9.40	
		For Curved Formwork, Add	*2.80*	
		For <1,000, Add	*1.56*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	7.20	
		For Curved Formwork, Add	*2.21*	
		For <1,000, Add	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0063		**Elevated Slab Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	12.46	
		For <1,000, Add	*1.87*	
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)*		
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	22.68	
		For Plastic Lined, Add	*0.88*	
		For Columns >12' In Length, Add	*2.27*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	23.97	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*2.40*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	26.64	
		For Plastic Lined, Add	*1.25*	
		For Columns >12' In Length, Add	*2.66*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	32.98	
		For Plastic Lined, Add	*2.23*	
		For Columns >12' In Length, Add	*3.30*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	37.05	
		For Plastic Lined, Add	*2.82*	
		For Columns >12' In Length, Add	*3.71*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	40.35	
		For Plastic Lined, Add	*3.51*	
		For Columns >12' In Length, Add	*4.04*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	43.45	
		For Plastic Lined, Add	*4.11*	
		For Columns >12' In Length, Add	*4.35*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	49.48	
		For Plastic Lined, Add	*5.58*	
		For Columns >12' In Length, Add	*4.95*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	51.78	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*5.18*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	54.39	
		For Plastic Lined, Add	*6.13*	
		For Columns >12' In Length, Add	*5.44*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	56.63	
		For Plastic Lined, Add	*6.62*	
		For Columns >12' In Length, Add	*5.66*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	58.85	
		For Plastic Lined, Add	*7.10*	
		For Columns >12' In Length, Add	*5.89*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	61.09	
		For Plastic Lined, Add	*7.59*	
		For Columns >12' In Length, Add	*6.11*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	70.56	
		For Plastic Lined, Add	*9.76*	
		For Columns >12' In Length, Add	*7.06*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	110.95	
		For Plastic Lined, Add	*21.40*	
		For Columns >12' In Length, Add	*11.10*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	135.10	
		For Plastic Lined, Add	*28.16*	
		For Columns >12' In Length, Add	*13.51*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	243.37	
		For Plastic Lined, Add	*59.87*	
		For Columns >12' In Length, Add	*24.34*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	271.01	
		For Plastic Lined, Add	*67.56*	
		For Columns >12' In Length, Add	*27.10*	
03 11 13 00-0085		**Accessories For Formwork** *(03 11 13)*		
03 11 13 00-0086		**Keyway Forms, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.73	
03 11 13 00-0088		**Chamfer Strips, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.89	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.34	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.86	
03 11 13 00-0092		**Strip Out Reglets For Concrete Formwork** *(03 11 13 00-0085)*		
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	13.75	
03 11 13 00-0094		**Sleeves And Chases, Plastic Or Sheet Metal** *(03 11 13 00-0085)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.36	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	19.72	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	23.84	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	26.92	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	34.65	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	74.74	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 13 Concrete Form Liners *(03 11 16)*

03 11 16 13-0001 Concrete Form Liners *(03 11 16 13)*

03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.61	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	8.83	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	11.62	

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	22.22	
		For Curved Formwork, Add	*8.58*	
		For <1,000, Add	*4.34*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	44.01	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*16.80*	
		For <1,000, Add	*8.53*	

03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	19.23	
		For Curved Formwork, Add	*7.13*	
		For <1,000, Add	*3.66*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	35.25	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*13.19*	
		For <1,000, Add	*6.75*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.58
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.83
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	14.06
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	15.36
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	22.32
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	11.23
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	14.18
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	24.24
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	19.46

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	11.66
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	13.25
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	11.85
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	15.85
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	13.54
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.98

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001 Bentonite Waterstops *(03 15 13 16)*

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	9.24
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	13.94
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	15.60
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	17.54

03 15 16 Concrete Construction Joints *(03 15)*

03 15 16 00-0001 Poured Expansion Joint *(03 15 16)*

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.41	0.93
		For Installation In Walls, Add	*1.56*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.71	0.93
		For Installation In Walls, Add	*1.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.69	0.93
		For Installation In Walls, Add	*1.56*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	8.80	0.93
		For Installation In Walls, Add	*1.75*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	5.32	0.93
		For Installation In Walls, Add	*1.75*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	9.73	0.93
		For Installation In Walls, Add	*2.84*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.80	0.93
		For Installation In Walls, Add	*1.56*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.69	0.93
		For Installation In Walls, Add	*1.56*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	12.31	0.93
		For Installation In Walls, Add	*1.75*	

03 15 16 00-0011 Premolded Expansion Joints *(03 15 16)*

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.94	1.38
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.35	1.45
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.60	1.51
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.87	1.58
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.18	1.38
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.53	1.45
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.95	1.51
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.53	1.58
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.90	1.31
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.14	1.38
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.44	1.45
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.69	1.51
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.99	1.58
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.40	1.65
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.72	1.72
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.27	1.79
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.46	1.45
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.93	1.51
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.75	1.65
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	8.07	2.27

03 15 16 00-0033 Cork, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	4.80	1.45
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	5.39	1.58
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	5.83	1.65
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	8.02	1.72
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	8.53	1.79
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	9.49	2.27
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	10.91	2.27
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	11.56	2.27

03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.19	1.45
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.33	1.51
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.51	1.58
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	4.02	1.65
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.27	1.45
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.42	1.51
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.57	1.58
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.89	1.65

03 15 16 00-0051 Zip Strip, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.22	1.45
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.50	1.51
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	3.88	1.65

03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.15	1.38
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.18	1.38

03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker *(03 15 16)*

03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.56	1.04
		>1,250, Deduct	*-0.08*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.47	1.04
		>1,250, Deduct	*-0.07*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0061		Keyed Cold Expansion And Control Joints *(03 15 16)*		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.72	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	7.84	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	8.11	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	8.57	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	10.50	

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*
Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*
See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.94
		For Galvanized, Add	*3.07*
		For Stainless Steel, Add	*21.46*
		For >10 To 50, Deduct	*-0.39*
		For >50 To 100, Deduct	*-0.93*
		For >100, Deduct	*-1.87*
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.23
		For Galvanized, Add	*3.91*
		For Stainless Steel, Add	*27.34*
		For >10 To 50, Deduct	*-0.42*
		For >50 To 100, Deduct	*-1.04*
		For >100, Deduct	*-2.07*
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.88
		For Galvanized, Add	*5.38*
		For Stainless Steel, Add	*37.66*
		For >10 To 50, Deduct	*-0.46*
		For >50 To 100, Deduct	*-1.18*
		For >100, Deduct	*-2.36*
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.18
		For Galvanized, Add	*7.03*
		For Stainless Steel, Add	*49.21*
		For >10 To 50, Deduct	*-0.46*
		For >50 To 100, Deduct	*-1.26*
		For >100, Deduct	*-2.53*
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.72
		For Galvanized, Add	*9.39*
		For Stainless Steel, Add	*65.70*
		For >10 To 50, Deduct	*-0.50*
		For >50 To 100, Deduct	*-1.46*
		For >100, Deduct	*-2.93*
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.39
		For Galvanized, Add	*10.73*
		For Stainless Steel, Add	*75.08*
		For >10 To 50, Deduct	*-0.55*
		For >50 To 100, Deduct	*-1.63*
		For >100, Deduct	*-3.26*

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.24
		For Galvanized, Add	*10.65*
		For Stainless Steel, Add	*74.55*
		For >10 To 50, Deduct	*-0.55*
		For >50 To 100, Deduct	*-1.63*
		For >100, Deduct	*-3.25*
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.98
		For Galvanized, Add	*12.41*
		For Stainless Steel, Add	*86.87*
		For >10 To 50, Deduct	*-0.61*
		For >50 To 100, Deduct	*-1.84*
		For >100, Deduct	*-3.67*
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.47
		For Galvanized, Add	*15.90*
		For Stainless Steel, Add	*111.27*
		For >10 To 50, Deduct	*-0.68*
		For >50 To 100, Deduct	*-2.16*
		For >100, Deduct	*-4.33*
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	55.39
		For Galvanized, Add	*20.04*
		For Stainless Steel, Add	*140.25*
		For >10 To 50, Deduct	*-0.77*
		For >50 To 100, Deduct	*-2.53*
		For >100, Deduct	*-5.07*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.79	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.19*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.49	
		For Galvanized, Add	*17.43*	
		For Stainless Steel, Add	*122.01*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.87*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.69	
		For Galvanized, Add	*23.23*	
		For Stainless Steel, Add	*162.61*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.98*	
		For >100, Deduct	*-5.97*	
03 15 19 00-0018		1" And 1-1/8" Diameter *(03 15 19 00-0002)*		
03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.28	
		For Galvanized, Add	*18.83*	
		For Stainless Steel, Add	*131.78*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.01*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	63.54	
		For Galvanized, Add	*22.66*	
		For Stainless Steel, Add	*158.59*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-5.91*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.69	
		For Galvanized, Add	*28.41*	
		For Stainless Steel, Add	*198.84*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.61*	
		For >100, Deduct	*-7.22*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	96.76	
		For Galvanized, Add	*34.71*	
		For Stainless Steel, Add	*242.94*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-4.47*	
		For >100, Deduct	*-8.94*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.24	
		For Galvanized, Add	*23.54*	
		For Stainless Steel, Add	*164.78*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.79*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.66	
		For Galvanized, Add	*28.33*	
		For Stainless Steel, Add	*198.28*	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.42*	
		For >100, Deduct	*-6.83*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	95.04	
		For Galvanized, Add	*35.51*	
		For Stainless Steel, Add	*248.57*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-4.18*	
		For >100, Deduct	*-8.36*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	116.79	
		For Galvanized, Add	*43.38*	
		For Stainless Steel, Add	*303.66*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-5.17*	
		For >100, Deduct	*-10.34*	
03 15 19 00-0027		1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*		
03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	77.85	
		For Galvanized, Add	*29.42*	
		For Stainless Steel, Add	*205.94*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-3.37*	
		For >100, Deduct	*-6.74*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	92.99	
		For Galvanized, Add	*35.42*	
		For Stainless Steel, Add	*247.91*	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-3.99*	
		For >100, Deduct	*-7.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	115.40	
		For Galvanized, Add	*44.40*	
		For Stainless Steel, Add	*310.77*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-4.88*	
		For >100, Deduct	*-9.76*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	141.69	
		For Galvanized, Add	*54.22*	
		For Stainless Steel, Add	*379.54*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-6.04*	
		For >100, Deduct	*-12.07*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.86	
		For Galvanized, Add	*36.78*	
		For Stainless Steel, Add	*257.43*	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.97*	
		For >100, Deduct	*-7.94*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	113.38	
		For Galvanized, Add	*44.26*	
		For Stainless Steel, Add	*309.82*	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-4.70*	
		For >100, Deduct	*-9.40*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	140.86	
		For Galvanized, Add	*55.51*	
		For Stainless Steel, Add	*388.54*	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-5.76*	
		For >100, Deduct	*-11.52*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	172.85	
		For Galvanized, Add	*67.78*	
		For Stainless Steel, Add	*474.46*	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-7.12*	
		For >100, Deduct	*-14.24*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.44	
		For Galvanized, Add	*8.14*	
		For Stainless Steel, Add	*56.98*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.25*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.79	
		For Galvanized, Add	*10.06*	
		For Stainless Steel, Add	*70.39*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.69	
		For Galvanized, Add	*11.53*	
		For Stainless Steel, Add	*80.71*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.28*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.17	
		For Galvanized, Add	*11.97*	
		For Stainless Steel, Add	*83.79*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.84*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.01	
		For Galvanized, Add	*12.57*	
		For Stainless Steel, Add	*87.96*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.82*	
		For >100, Deduct	*-5.63*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.87	
		For Galvanized, Add	*10.10*	
		For Stainless Steel, Add	*70.67*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.75*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.15	
		For Galvanized, Add	*11.76*	
		For Stainless Steel, Add	*82.32*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.20	
		For Galvanized, Add	*13.49*	
		For Stainless Steel, Add	*94.40*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-4.99*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.88	
		For Galvanized, Add	*14.00*	
		For Stainless Steel, Add	*98.00*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.78*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.77	
		For Galvanized, Add	*14.71*	
		For Stainless Steel, Add	*102.97*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.47*	
		For >100, Deduct	*-6.94*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.52	
		For Galvanized, Add	*12.95*	
		For Stainless Steel, Add	*90.62*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-2.21*	
		For >100, Deduct	*-4.42*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.34	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.10*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.44	
		For Galvanized, Add	*16.28*	
		For Stainless Steel, Add	*113.96*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-6.00*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.87	
		For Galvanized, Add	*17.05*	
		For Stainless Steel, Add	*119.32*	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-6.46*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.05	
		For Galvanized, Add	*17.85*	
		For Stainless Steel, Add	*124.95*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.63*	
		For >100, Deduct	*-7.26*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	71.76	
		For Galvanized, Add	*20.69*	
		For Stainless Steel, Add	*144.80*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-4.07*	
		For >100, Deduct	*-8.15*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.88	
		For Galvanized, Add	*24.21*	
		For Stainless Steel, Add	*169.47*	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-4.86*	
		For >100, Deduct	*-9.71*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.28	
		For Galvanized, Add	*17.03*	
		For Stainless Steel, Add	*119.18*	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.35*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.99	
		For Galvanized, Add	*19.06*	
		For Stainless Steel, Add	*133.39*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.28*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.66	
		For Galvanized, Add	*19.94*	
		For Stainless Steel, Add	*139.58*	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-3.38*	
		For >100, Deduct	*-6.75*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.06	
		For Galvanized, Add	*20.59*	
		For Stainless Steel, Add	*144.13*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.22*	
		For >100, Deduct	*-6.44*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.54	
		For Galvanized, Add	*24.10*	
		For Stainless Steel, Add	*168.67*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-7.88*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	83.37	
		For Galvanized, Add	*27.29*	
		For Stainless Steel, Add	*191.03*	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.49*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	92.02	
		For Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*215.71*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-4.58*	
		For >100, Deduct	*-9.16*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	101.22	
		For Galvanized, Add	*33.52*	
		For Stainless Steel, Add	*234.61*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-5.09*	
		For >100, Deduct	*-10.19*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	110.85	
		For Galvanized, Add	*35.89*	
		For Stainless Steel, Add	*251.23*	
		For >10 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-5.70*	
		For >100, Deduct	*-11.40*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.43	
		For Galvanized, Add	*38.42*	
		For Stainless Steel, Add	*268.94*	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-6.48*	
		For >100, Deduct	*-12.96*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.66	
		For Galvanized, Add	*42.48*	
		For Stainless Steel, Add	*297.36*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.59*	
		For >100, Deduct	*-15.19*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.36	
		For Galvanized, Add	*25.74*	
		For Stainless Steel, Add	*180.18*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.95*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.60	
		For Galvanized, Add	*30.13*	
		For Stainless Steel, Add	*210.88*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.48*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.01	
		For Galvanized, Add	*34.11*	
		For Stainless Steel, Add	*238.77*	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-4.58*	
		For >100, Deduct	*-9.17*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	107.42	
		For Galvanized, Add	*38.52*	
		For Stainless Steel, Add	*269.61*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-4.96*	
		For >100, Deduct	*-9.93*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	118.00	
		For Galvanized, Add	*41.91*	
		For Stainless Steel, Add	*293.34*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-5.51*	
		For >100, Deduct	*-11.03*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.82	
		For Galvanized, Add	*44.88*	
		For Stainless Steel, Add	*314.13*	
		For >10 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-6.15*	
		For >100, Deduct	*-12.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	142.43	
		For Galvanized, Add	*48.42*	
		For Stainless Steel, Add	*338.94*	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-6.98*	
		For >100, Deduct	*-13.96*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	160.92	
		For Galvanized, Add	*53.11*	
		For Stainless Steel, Add	*371.77*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.13*	
		For >100, Deduct	*-16.25*	
03 15 19 00-0076		1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	96.22	
		For Galvanized, Add	*35.68*	
		For Stainless Steel, Add	*249.76*	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-4.27*	
		For >100, Deduct	*-8.54*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.64	
		For Galvanized, Add	*37.43*	
		For Stainless Steel, Add	*261.98*	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-4.75*	
		For >100, Deduct	*-9.50*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.54	
		For Galvanized, Add	*41.18*	
		For Stainless Steel, Add	*288.26*	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-5.28*	
		For >100, Deduct	*-10.55*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	124.17	
		For Galvanized, Add	*44.99*	
		For Stainless Steel, Add	*314.93*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-5.67*	
		For >100, Deduct	*-11.34*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	134.06	
		For Galvanized, Add	*48.80*	
		For Stainless Steel, Add	*341.60*	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-6.09*	
		For >100, Deduct	*-12.17*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.04	
		For Galvanized, Add	*52.48*	
		For Stainless Steel, Add	*367.36*	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-6.83*	
		For >100, Deduct	*-13.66*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	163.27	
		For Galvanized, Add	*56.77*	
		For Stainless Steel, Add	*397.39*	
		For >10 To 50, Deduct	*-2.49*	
		For >50 To 100, Deduct	*-7.81*	
		For >100, Deduct	*-15.62*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	186.69	
		For Galvanized, Add	*62.96*	
		For Stainless Steel, Add	*440.69*	
		For >10 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-9.23*	
		For >100, Deduct	*-18.45*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	134.72	
		For Galvanized, Add	*53.69*	
		For Stainless Steel, Add	*375.80*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-5.42*	
		For >100, Deduct	*-10.84*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	140.10	
		For Galvanized, Add	*54.86*	
		For Stainless Steel, Add	*383.99*	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-5.78*	
		For >100, Deduct	*-11.56*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.65	
		For Galvanized, Add	*55.74*	
		For Stainless Steel, Add	*390.15*	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-6.00*	
		For >100, Deduct	*-12.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.93	
		For Galvanized, Add	*64.37*	
		For Stainless Steel, Add	*450.59*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-6.64*	
		For >100, Deduct	*-13.28*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	187.69	
		For Galvanized, Add	*74.31*	
		For Stainless Steel, Add	*520.17*	
		For >10 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-7.62*	
		For >100, Deduct	*-15.25*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	196.17	
		For Galvanized, Add	*75.29*	
		For Stainless Steel, Add	*527.03*	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-8.32*	
		For >100, Deduct	*-16.65*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	217.30	
		For Galvanized, Add	*81.30*	
		For Stainless Steel, Add	*569.10*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-9.54*	
		For >100, Deduct	*-19.07*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	243.50	
		For Galvanized, Add	*87.57*	
		For Stainless Steel, Add	*612.96*	
		For >10 To 50, Deduct	*-3.42*	
		For >50 To 100, Deduct	*-11.22*	
		For >100, Deduct	*-22.43*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	195.63	
		For Galvanized, Add	*81.73*	
		For Stainless Steel, Add	*572.08*	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-7.30*	
		For >100, Deduct	*-14.61*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	213.16	
		For Galvanized, Add	*88.35*	
		For Stainless Steel, Add	*618.45*	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-8.06*	
		For >100, Deduct	*-16.13*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	234.68	
		For Galvanized, Add	*96.30*	
		For Stainless Steel, Add	*674.10*	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-9.02*	
		For >100, Deduct	*-18.05*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	253.70	
		For Galvanized, Add	*101.99*	
		For Stainless Steel, Add	*713.90*	
		For >10 To 50, Deduct	*-2.49*	
		For >50 To 100, Deduct	*-10.07*	
		For >100, Deduct	*-20.14*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	273.88	
		For Galvanized, Add	*109.59*	
		For Stainless Steel, Add	*767.13*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-10.95*	
		For >100, Deduct	*-21.90*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	294.82	
		For Galvanized, Add	*117.02*	
		For Stainless Steel, Add	*819.14*	
		For >10 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-11.93*	
		For >100, Deduct	*-23.86*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	329.50	
		For Galvanized, Add	*125.68*	
		For Stainless Steel, Add	*879.76*	
		For >10 To 50, Deduct	*-3.91*	
		For >50 To 100, Deduct	*-14.10*	
		For >100, Deduct	*-28.20*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	354.47	
		For Galvanized, Add	*138.17*	
		For Stainless Steel, Add	*967.16*	
		For >10 To 50, Deduct	*-3.91*	
		For >50 To 100, Deduct	*-14.72*	
		For >100, Deduct	*-29.44*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	398.34	
		For Galvanized, Add	*153.59*	
		For Stainless Steel, Add	*1,075.10*	
		For >10 To 50, Deduct	*-4.56*	
		For >50 To 100, Deduct	*-16.80*	
		For >100, Deduct	*-33.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	395.31	
		For Galvanized, Add	*181.57*	
		For Stainless Steel, Add	*1,270.96*	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-12.30*	
		For >100, Deduct	*-24.59*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	416.02	
		For Galvanized, Add	*189.78*	
		For Stainless Steel, Add	*1,328.46*	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-13.14*	
		For >100, Deduct	*-26.27*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	453.71	
		For Galvanized, Add	*205.82*	
		For Stainless Steel, Add	*1,440.71*	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-14.50*	
		For >100, Deduct	*-29.00*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	483.53	
		For Galvanized, Add	*216.90*	
		For Stainless Steel, Add	*1,518.30*	
		For >10 To 50, Deduct	*-2.49*	
		For >50 To 100, Deduct	*-15.82*	
		For >100, Deduct	*-31.64*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	511.76	
		For Galvanized, Add	*228.53*	
		For Stainless Steel, Add	*1,599.71*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-16.90*	
		For >100, Deduct	*-33.79*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	543.88	
		For Galvanized, Add	*241.55*	
		For Stainless Steel, Add	*1,690.85*	
		For >10 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-18.16*	
		For >100, Deduct	*-36.31*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	587.90	
		For Galvanized, Add	*254.88*	
		For Stainless Steel, Add	*1,784.16*	
		For >10 To 50, Deduct	*-3.91*	
		For >50 To 100, Deduct	*-20.56*	
		For >100, Deduct	*-41.12*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	445.28	
		For Galvanized, Add	*205.55*	
		For Stainless Steel, Add	*1,438.82*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-27.39*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	478.81	
		For Galvanized, Add	*219.87*	
		For Stainless Steel, Add	*1,539.09*	
		For >10 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-14.90*	
		For >100, Deduct	*-29.80*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	514.25	
		For Galvanized, Add	*234.33*	
		For Stainless Steel, Add	*1,640.31*	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-16.28*	
		For >100, Deduct	*-32.55*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	549.41	
		For Galvanized, Add	*247.36*	
		For Stainless Steel, Add	*1,731.49*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-17.84*	
		For >100, Deduct	*-35.68*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	583.95	
		For Galvanized, Add	*261.59*	
		For Stainless Steel, Add	*1,831.10*	
		For >10 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-19.16*	
		For >100, Deduct	*-38.31*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	631.95	
		For Galvanized, Add	*281.79*	
		For Stainless Steel, Add	*1,972.53*	
		For >10 To 50, Deduct	*-3.42*	
		For >50 To 100, Deduct	*-20.93*	
		For >100, Deduct	*-41.85*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	685.74	
		For Galvanized, Add	*297.29*	
		For Stainless Steel, Add	*2,081.00*	
		For >10 To 50, Deduct	*-4.56*	
		For >50 To 100, Deduct	*-23.98*	
		For >100, Deduct	*-47.96*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 20 Concrete Reinforcing (03)

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars (03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Ls./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars (03 21)

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar			0.82
		For Up To 100, Add			*0.56*
		For >100 To 200, Add			*0.30*
		For >200 To 500, Add			*0.12*
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar			1.39
		For Up To 100, Add			*0.97*
		For >100 To 200, Add			*0.52*
		For >200 To 500, Add			*0.21*
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar			2.08
		For Up To 100, Add			*1.47*
		For >100 To 200, Add			*0.79*
		For >200 To 500, Add			*0.32*
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar			2.89
		For Up To 100, Add			*2.09*
		For >100 To 200, Add			*1.11*
		For >200 To 500, Add			*0.44*
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar			0.84
		For Up To 100, Add			*0.58*
		For >100 To 200, Add			*0.31*
		For >200 To 500, Add			*0.13*
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar			1.42
		For Up To 100, Add			*1.00*
		For >100 To 200, Add			*0.54*
		For >200 To 500, Add			*0.21*
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar			2.14
		For Up To 100, Add			*1.53*
		For >100 To 200, Add			*0.82*
		For >200 To 500, Add			*0.33*
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar			2.97
		For Up To 100, Add			*2.17*
		For >100 To 200, Add			*1.15*
		For >200 To 500, Add			*0.46*
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar			0.87
		For Up To 100, Add			*0.61*
		For >100 To 200, Add			*0.33*
		For >200 To 500, Add			*0.13*
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar			1.47
		For Up To 100, Add			*1.05*
		For >100 To 200, Add			*0.56*
		For >200 To 500, Add			*0.22*
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar			2.22
		For Up To 100, Add			*1.61*
		For >100 To 200, Add			*0.86*
		For >200 To 500, Add			*0.34*
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar			3.08
		For Up To 100, Add			*2.28*
		For >100 To 200, Add			*1.21*
		For >200 To 500, Add			*0.48*
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar			4.01
		For Up To 100, Add			*2.35*
		For >100 To 200, Add			*1.36*
		For >200 To 400, Add			*0.64*
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar			5.03
		For Up To 100, Add			*3.00*
		For >100 To 200, Add			*1.72*
		For >200 To 400, Add			*0.81*
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar			6.20
		For Up To 100, Add			*3.75*
		For >100 To 200, Add			*2.14*
		For >200 To 400, Add			*1.01*
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar			7.62
		For Up To 100, Add			*3.78*
		For >100 To 200, Add			*2.02*
		For >200 To 300, Add			*1.01*
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar			9.11
		For Up To 100, Add			*4.58*
		For >100 To 200, Add			*2.44*
		For >200 To 300, Add			*1.22*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.69	
		For Up To 100, Add	*6.47*	
		For >100 To 200, Add	*3.43*	
		For >200 To 300, Add	*1.71*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	21.81	
		For Up To 100, Add	*11.27*	
		For >100 To 200, Add	*5.94*	
		For >200 To 300, Add	*2.97*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.20	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.17	
		For Up To 100, Add	*2.47*	
		For >100 To 200, Add	*1.42*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.23	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.80*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.46	
		For Up To 100, Add	*3.94*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.07*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.95	
		For Up To 100, Add	*3.98*	
		For >100 To 200, Add	*2.12*	
		For >200 To 300, Add	*1.06*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.52	
		For Up To 100, Add	*4.83*	
		For >100 To 200, Add	*2.56*	
		For >200 To 300, Add	*1.28*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	13.28	
		For Up To 100, Add	*6.82*	
		For >100 To 200, Add	*3.60*	
		For >200 To 300, Add	*1.80*	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	22.86	
		For Up To 100, Add	*11.90*	
		For >100 To 200, Add	*6.25*	
		For >200 To 300, Add	*3.13*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.09*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.28	
		For Up To 100, Add	*1.67*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.17	
		For Up To 100, Add	*2.37*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.13	
		For Up To 100, Add	*2.44*	
		For >100 To 200, Add	*1.41*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.18	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.40	
		For Up To 100, Add	*3.90*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.05*	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.87	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.10*	
		For >200 To 300, Add	*1.05*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.42	
		For Up To 100, Add	*4.77*	
		For >100 To 200, Add	*2.53*	
		For >200 To 300, Add	*1.27*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.13	
		For Up To 100, Add	*6.73*	
		For >100 To 200, Add	*3.56*	
		For >200 To 300, Add	*1.78*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	22.59	
		For Up To 100, Add	*11.74*	
		For >100 To 200, Add	*6.17*	
		For >200 To 300, Add	*3.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0040		**Columns, Steel Reinforcement Bar** *(03 21 11)* Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.46	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	2.23	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	2.31	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	3.21	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	4.18	
		For Up To 100, Add	*2.41*	
		For >100 To 200, Add	*1.40*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	5.22	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*3.82*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.04*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	7.87	
		For Up To 100, Add	*3.86*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	9.40	
		For Up To 100, Add	*4.67*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	13.08	
		For Up To 100, Add	*6.59*	
		For >100 To 200, Add	*3.50*	
		For >200 To 300, Add	*1.75*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	22.41	
		For Up To 100, Add	*11.45*	
		For >100 To 200, Add	*6.06*	
		For >200 To 300, Add	*3.03*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	3.33	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	4.34	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.46*	
		For >200 To 400, Add	*0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	5.42	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.87*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	6.68	
		For Up To 100, Add	*4.02*	
		For >100 To 200, Add	*2.30*	
		For >200 To 400, Add	*1.09*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	8.20	
		For Up To 100, Add	*4.06*	
		For >100 To 200, Add	*2.17*	
		For >200 To 300, Add	*1.09*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	9.81	
		For Up To 100, Add	*4.91*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	13.67	
		For Up To 100, Add	*6.94*	
		For >100 To 200, Add	*3.68*	
		For >200 To 300, Add	*1.84*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	23.46	
		For Up To 100, Add	*12.08*	
		For >100 To 200, Add	*6.37*	
		For >200 To 300, Add	*3.19*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.58	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.37	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.30	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.30	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.45*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.37	
		For Up To 100, Add	*3.18*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.62	
		For Up To 100, Add	*3.97*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.08*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	8.12	
		For Up To 100, Add	*4.01*	
		For >100 To 200, Add	*2.15*	
		For >200 To 300, Add	*1.07*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.71	
		For Up To 100, Add	*4.85*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.29*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.52	
		For Up To 100, Add	*6.85*	
		For >100 To 200, Add	*3.64*	
		For >200 To 300, Add	*1.82*	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	23.19	
		For Up To 100, Add	*11.92*	
		For >100 To 200, Add	*6.29*	
		For >200 To 300, Add	*3.15*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.93	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.77	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.32	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.99	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	2.07	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.88	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	3.77	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.30*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	5.86	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*0.98*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	7.22	
		For Up To 100, Add	*4.52*	
		For >100 To 200, Add	*2.55*	
		For >200 To 400, Add	*1.22*	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*1.94*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	8.67	
		For Up To 100, Add	*5.50*	
		For >100 To 200, Add	*3.09*	
		For >200 To 400, Add	*1.48*	
		For Up To 100, Add	*4.45*	
		For >100 To 200, Add	*2.35*	
		For >200 To 300, Add	*1.18*	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	12.12	
		For Up To 100, Add	*7.79*	
		For >100 To 200, Add	*4.36*	
		For >200 To 400, Add	*2.10*	
		For Up To 100, Add	*6.30*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.66*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	20.89	
		For Up To 100, Add	*13.62*	
		For >100 To 200, Add	*7.59*	
		For >200 To 400, Add	*3.67*	
		For Up To 100, Add	*11.00*	
		For >100 To 200, Add	*5.76*	
		For >200 To 300, Add	*2.88*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	3.00	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.49*	
		For Up To 100, Add	*1.79*	
		For >100 To 200, Add	*1.03*	
		For >200 To 400, Add	*0.49*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	3.93	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	4.94	
		For Up To 100, Add	*3.05*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.82*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	6.12	
		For Up To 100, Add	*3.82*	
		For >100 To 200, Add	*2.16*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	7.55	
		For Up To 100, Add	*3.86*	
		For >100 To 200, Add	*2.04*	
		For >200 To 300, Add	*1.02*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	9.08	
		For Up To 100, Add	*4.70*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	12.71	
		For Up To 100, Add	*6.65*	
		For >100 To 200, Add	*3.49*	
		For >200 To 300, Add	*1.74*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	21.94	
		For Up To 100, Add	*11.63*	
		For >100 To 200, Add	*6.07*	
		For >200 To 300, Add	*3.04*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.82	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.41	
		For Up To 100, Add	*1.05*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.13	
		For Up To 100, Add	*1.61*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.97	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.89	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.89	
		For Up To 100, Add	*3.01*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.06	
		For Up To 100, Add	*3.78*	
		For >100 To 200, Add	*2.14*	
		For >200 To 400, Add	*1.02*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.47	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.02*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	8.98	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.44*	
		For >200 To 300, Add	*1.22*	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.56	
		For Up To 100, Add	*6.56*	
		For >100 To 200, Add	*3.44*	
		For >200 To 300, Add	*1.72*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	21.67	
		For Up To 100, Add	*11.47*	
		For >100 To 200, Add	*5.99*	
		For >200 To 300, Add	*2.99*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.88	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0122	LF #6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.61	
	For Up To 100, Add	*1.97*	
	For >100 To 200, Add	*1.04*	
	For >200 To 500, Add	*0.42*	
03 21 11 00-0123	LF #3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.75	
	For Up To 100, Add	*0.55*	
	For >100 To 200, Add	*0.29*	
	For >200 To 500, Add	*0.12*	
03 21 11 00-0124	LF #4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.28	
	For Up To 100, Add	*0.94*	
	For >100 To 200, Add	*0.50*	
	For >200 To 500, Add	*0.20*	
03 21 11 00-0125	LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.94	
	For Up To 100, Add	*1.45*	
	For >100 To 200, Add	*0.77*	
	For >200 To 500, Add	*0.31*	
03 21 11 00-0126	LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.69	
	For Up To 100, Add	*2.05*	
	For >100 To 200, Add	*1.08*	
	For >200 To 500, Add	*0.43*	
03 21 11 00-0127	LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.78	
	For Up To 100, Add	*0.58*	
	For >100 To 200, Add	*0.31*	
	For >200 To 500, Add	*0.12*	
03 21 11 00-0128	LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.33	
	For Up To 100, Add	*0.99*	
	For >100 To 200, Add	*0.53*	
	For >200 To 500, Add	*0.21*	
03 21 11 00-0129	LF #5, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.02	
	For Up To 100, Add	*1.53*	
	For >100 To 200, Add	*0.81*	
	For >200 To 500, Add	*0.32*	
03 21 11 00-0130	LF #6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.80	
	For Up To 100, Add	*2.16*	
	For >100 To 200, Add	*1.14*	
	For >200 To 500, Add	*0.45*	
03 21 11 00-0131	LF #7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.69	
	For Up To 100, Add	*2.24*	
	For >100 To 200, Add	*1.28*	
	For >200 To 400, Add	*0.61*	
03 21 11 00-0132	LF #8, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.65	
	For Up To 100, Add	*2.87*	
	For >100 To 200, Add	*1.63*	
	For >200 To 400, Add	*0.78*	
03 21 11 00-0133	LF #9, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.75	
	For Up To 100, Add	*3.59*	
	For >100 To 200, Add	*2.03*	
	For >200 To 400, Add	*0.97*	
03 21 11 00-0134	LF #10, Grade 60, Slab On Grade, Steel Reinforcement Bar	7.09	
	For Up To 100, Add	*3.62*	
	For >100 To 200, Add	*1.92*	
	For >200 To 300, Add	*0.96*	
03 21 11 00-0135	LF #11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.52	
	For Up To 100, Add	*4.40*	
	For >100 To 200, Add	*2.32*	
	For >200 To 300, Add	*1.16*	
03 21 11 00-0136	LF #14, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.92	
	For Up To 100, Add	*6.24*	
	For >100 To 200, Add	*3.27*	
	For >200 To 300, Add	*1.64*	
03 21 11 00-0137	LF #18, Grade 60, Slab On Grade, Steel Reinforcement Bar	20.60	
	For Up To 100, Add	*10.91*	
	For >100 To 200, Add	*5.70*	
	For >200 To 300, Add	*2.85*	
03 21 11 00-0138	LF #6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.92	
	For Up To 100, Add	*2.28*	
	For >100 To 200, Add	*1.20*	
	For >200 To 500, Add	*0.48*	
03 21 11 00-0139	LF #7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.85	
	For Up To 100, Add	*2.36*	
	For >100 To 200, Add	*1.34*	
	For >200 To 400, Add	*0.64*	
03 21 11 00-0140	LF #8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.85	
	For Up To 100, Add	*3.02*	
	For >100 To 200, Add	*1.71*	
	For >200 To 400, Add	*0.82*	
03 21 11 00-0141	LF #9, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.01	
	For Up To 100, Add	*3.78*	
	For >100 To 200, Add	*2.13*	
	For >200 To 400, Add	*1.02*	
03 21 11 00-0142	LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.42	
	For Up To 100, Add	*3.82*	
	For >100 To 200, Add	*2.02*	
	For >200 To 300, Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	8.93	
		For Up To 100, Add	*4.65*	
		For >100 To 200, Add	*2.44*	
		For >200 To 300, Add	*1.22*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.51	
		For Up To 100, Add	*6.59*	
		For >100 To 200, Add	*3.45*	
		For >200 To 300, Add	*1.72*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	21.65	
		For Up To 100, Add	*11.54*	
		For >100 To 200, Add	*6.01*	
		For >200 To 300, Add	*3.01*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.08	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.89	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.81	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.80	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.95	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.34	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	8.83	
		For Up To 100, Add	*4.59*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.36	
		For Up To 100, Add	*6.50*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	21.38	
		For Up To 100, Add	*11.38*	
		For >100 To 200, Add	*5.93*	
		For >200 To 300, Add	*2.97*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.51*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.18	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.71	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*0.92*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.97*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.49*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.53	
		For Up To 100, Add	*2.18*	
		For >100 To 200, Add	*1.24*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.45	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.76*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.53	
		For Up To 100, Add	*3.51*	
		For >100 To 200, Add	*1.97*	
		For >200 To 400, Add	*0.95*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.83	
		For Up To 100, Add	*3.55*	
		For >100 To 200, Add	*1.87*	
		For >200 To 300, Add	*0.93*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.22	
		For Up To 100, Add	*4.31*	
		For >100 To 200, Add	*2.26*	
		For >200 To 300, Add	*1.13*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.54	
		For Up To 100, Add	*6.12*	
		For >100 To 200, Add	*3.20*	
		For >200 To 300, Add	*1.60*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	20.00	
		For Up To 100, Add	*10.73*	
		For >100 To 200, Add	*5.58*	
		For >200 To 300, Add	*2.79*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.79	
		For Up To 100, Add	*2.23*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.69	
		For Up To 100, Add	*2.30*	
		For >100 To 200, Add	*1.30*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.65	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.79	
		For Up To 100, Add	*3.71*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.16	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*1.96*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.63	
		For Up To 100, Add	*4.56*	
		For >100 To 200, Add	*2.38*	
		For >200 To 300, Add	*1.19*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	12.13	
		For Up To 100, Add	*6.48*	
		For >100 To 200, Add	*3.37*	
		For >200 To 300, Add	*1.69*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	21.05	
		For Up To 100, Add	*11.36*	
		For >100 To 200, Add	*5.89*	
		For >200 To 300, Add	*2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.30	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.98	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.65	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.60	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.73	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*2.05*	
		For >200 To 400, Add	*0.99*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	7.08	
		For Up To 100, Add	*3.70*	
		For >100 To 200, Add	*1.94*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.53	
		For Up To 100, Add	*4.50*	
		For >100 To 200, Add	*2.35*	
		For >200 To 300, Add	*1.18*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	11.98	
		For Up To 100, Add	*6.39*	
		For >100 To 200, Add	*3.33*	
		For >200 To 300, Add	*1.66*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	20.78	
		For Up To 100, Add	*11.20*	
		For >100 To 200, Add	*5.81*	
		For >200 To 300, Add	*2.91*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	1.14	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.72	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.89*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*0.90*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	2.49	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.22	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.60	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.21*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	4.36	
		For Up To 100, Add	*2.77*	
		For >100 To 200, Add	*1.56*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	5.42	
		For Up To 100, Add	*3.47*	
		For >100 To 200, Add	*1.95*	
		For >200 To 400, Add	*0.94*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	6.70	
		For Up To 100, Add	*3.51*	
		For >100 To 200, Add	*1.84*	
		For >200 To 300, Add	*0.92*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	8.08	
		For Up To 100, Add	*4.27*	
		For >100 To 200, Add	*2.23*	
		For >200 To 300, Add	*1.12*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	11.35	
		For Up To 100, Add	*6.07*	
		For >100 To 200, Add	*3.16*	
		For >200 To 300, Add	*1.58*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	19.70	
		For Up To 100, Add	*10.64*	
		For >100 To 200, Add	*5.52*	
		For >200 To 300, Add	*2.76*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.72	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.28*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	4.56	
		For Up To 100, Add	*2.92*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	5.68	
		For Up To 100, Add	*3.67*	
		For >100 To 200, Add	*2.05*	
		For >200 To 400, Add	*0.99*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	7.03	
		For Up To 100, Add	*3.71*	
		For >100 To 200, Add	*1.94*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	8.49	
		For Up To 100, Add	*4.52*	
		For >100 To 200, Add	*2.36*	
		For >200 To 300, Add	*1.18*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	11.94	
		For Up To 100, Add	*6.42*	
		For >100 To 200, Add	*3.33*	
		For >200 To 300, Add	*1.67*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	20.75	
		For Up To 100, Add	*11.27*	
		For >100 To 200, Add	*5.83*	
		For >200 To 300, Add	*2.92*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.53*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.26*	
		For >200 To 400, Add	*0.60*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.51	
		For Up To 100, Add	*2.88*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.62	
		For Up To 100, Add	*3.62*	
		For >100 To 200, Add	*2.03*	
		For >200 To 400, Add	*0.98*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.95	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*1.91*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.39	
		For Up To 100, Add	*4.46*	
		For >100 To 200, Add	*2.33*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.79	
		For Up To 100, Add	*6.33*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	20.48	
		For Up To 100, Add	*11.11*	
		For >100 To 200, Add	*5.75*	
		For >200 To 300, Add	*2.88*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	287.66

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	155.86

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	3.64
		For Up To 12" Length, Deduct	*-0.50*
		For >12" To <24" Length, Deduct	*-0.25*
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	4.38
		For Up To 12" Length, Deduct	*-0.65*
		For >12" To <24" Length, Deduct	*-0.33*
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	5.47
		For Up To 12" Length, Deduct	*-1.03*
		For >12" To <24" Length, Deduct	*-0.51*
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	6.76
		For Up To 12" Length, Deduct	*-1.48*
		For >12" To <24" Length, Deduct	*-0.74*
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	8.13
		For Up To 12" Length, Deduct	*-2.06*
		For >12" To <24" Length, Deduct	*-1.03*
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	10.28
		For Up To 12" Length, Deduct	*-2.64*
		For >12" To <24" Length, Deduct	*-1.32*
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	12.19
		For Up To 12" Length, Deduct	*-3.26*
		For >12" To <24" Length, Deduct	*-1.63*
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	15.06
		For Up To 12" Length, Deduct	*-4.26*
		For >12" To <24" Length, Deduct	*-2.13*
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	17.97
		For Up To 12" Length, Deduct	*-5.26*
		For >12" To <24" Length, Deduct	*-2.63*

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,651.27
		For Grade 75, Add	*137.42*
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,607.61
		For Grade 75, Add	*137.42*
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,574.32
		For Grade 75, Add	*137.42*
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,519.85
		For Grade 75, Add	*137.42*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,446.21	
		For Grade 75, Add	*137.42*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,418.43	
		For Grade 75, Add	*140.80*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,356.78	
		For Grade 75, Add	*140.80*	
03 21 11 00-0258		**Dowel Or Hairpin, Drilled And Epoxy Into Concrete** *(03 21 11)*		
03 21 11 00-0259	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	32.64	
03 21 11 00-0260	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	34.08	
03 21 11 00-0261		**Accessories For Reinforcing Steel** *(03 21 11)*		
03 21 11 00-0262		**Reinforcing Steel Lap-Weld Splice** *(03 21 11 00-0261)*		
03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	71.22	
03 21 11 00-0264	EA	>#6 Reinforcing Steel Lap-Weld Splice	115.07	
03 21 11 00-0265		**Reinforcing Steel Sleeve And Wedge Splice Joint** *(03 21 11 00-0261)*		
03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	38.27	
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	60.92	
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	93.56	
03 21 13		**Galvanized Reinforcement Steel Bars** *(03 21)*		
03 21 13 00-0001		**Beams And Girders, Galvanized Steel Reinforcement Bar** *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.68	
		For Up To 100, Add	*2.88*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.83	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.87	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.09	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.43	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.09*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.00	
		For Up To 100, Add	*5.10*	
		For >100 To 200, Add	*2.86*	
		For >200 To 400, Add	*1.37*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.89	
		For Up To 100, Add	*5.15*	
		For >100 To 200, Add	*2.70*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.91	
		For Up To 100, Add	*6.26*	
		For >100 To 200, Add	*3.28*	
		For >200 To 300, Add	*1.64*	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	16.72	
		For Up To 100, Add	*8.89*	
		For >100 To 200, Add	*4.63*	
		For >200 To 300, Add	*2.32*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	28.98	
		For Up To 100, Add	*15.58*	
		For >100 To 200, Add	*8.09*	
		For >200 To 300, Add	*4.05*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.66*	
		For >200 To 500, Add	*0.66*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.25	
		For Up To 100, Add	*3.28*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.89*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.64	
		For Up To 100, Add	*4.21*	
		For >100 To 200, Add	*2.37*	
		For >200 To 400, Add	*1.14*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.26	
		For Up To 100, Add	*5.29*	
		For >100 To 200, Add	*2.97*	
		For >200 To 400, Add	*1.43*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	10.22	
		For Up To 100, Add	*5.34*	
		For >100 To 200, Add	*2.80*	
		For >200 To 300, Add	*1.40*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	12.32	
		For Up To 100, Add	*6.51*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	17.31	
		For Up To 100, Add	*9.24*	
		For >100 To 200, Add	*4.81*	
		For >200 To 300, Add	*2.41*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	30.03	
		For Up To 100, Add	*16.21*	
		For >100 To 200, Add	*8.41*	
		For >200 To 300, Add	*4.20*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.72	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.81	
		For Up To 100, Add	*2.93*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.07	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.85	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.12*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.89	
		For Up To 100, Add	*3.01*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.09	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.44*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.86	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.00	
		For Up To 100, Add	*3.12*	
		For >100 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.26	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.87*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.62	
		For Up To 100, Add	*4.12*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.11*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.22	
		For Up To 100, Add	*5.17*	
		For >100 To 200, Add	*2.92*	
		For >200 To 400, Add	*1.40*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	10.14	
		For Up To 100, Add	*5.22*	
		For >100 To 200, Add	*2.75*	
		For >200 To 300, Add	*1.38*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	12.20	
		For Up To 100, Add	*6.35*	
		For >100 To 200, Add	*3.34*	
		For >200 To 300, Add	*1.67*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	17.11	
		For Up To 100, Add	*9.00*	
		For >100 To 200, Add	*4.71*	
		For >200 To 300, Add	*2.36*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	29.58	
		For Up To 100, Add	*15.76*	
		For >100 To 200, Add	*8.21*	
		For >200 To 300, Add	*4.11*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.12	
		For Up To 100, Add	*3.24*	
		For >100 To 200, Add	*1.69*	
		For >200 To 500, Add	*0.68*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.42	
		For Up To 100, Add	*3.34*	
		For >100 To 200, Add	*1.90*	
		For >200 To 400, Add	*0.90*	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.83	
		For Up To 100, Add	*4.27*	
		For >100 To 200, Add	*2.41*	
		For >200 To 400, Add	*1.15*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.48	
		For Up To 100, Add	*5.37*	
		For >100 To 200, Add	*3.02*	
		For >200 To 400, Add	*1.45*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.47	
		For Up To 100, Add	*5.42*	
		For >100 To 200, Add	*2.85*	
		For >200 To 300, Add	*1.43*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.61	
		For Up To 100, Add	*6.59*	
		For >100 To 200, Add	*3.46*	
		For >200 To 300, Add	*1.73*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	17.70	
		For Up To 100, Add	*9.36*	
		For >100 To 200, Add	*4.89*	
		For >200 To 300, Add	*2.44*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	30.63	
		For Up To 100, Add	*16.39*	
		For >100 To 200, Add	*8.53*	
		For >200 To 300, Add	*4.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0057		**Footings, Galvanized Steel Reinforcement Bar** *(03 21 13)* Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.64	
		For Up To 100, Add	*1.28*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.48	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.68	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.88*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.37*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.85	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.14	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.06*	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.66	
		For Up To 100, Add	*4.98*	
		For >100 To 200, Add	*2.78*	
		For >200 To 400, Add	*1.34*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.49	
		For Up To 100, Add	*5.03*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.47	
		For Up To 100, Add	*6.13*	
		For >100 To 200, Add	*3.19*	
		For >200 To 300, Add	*1.60*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	16.15	
		For Up To 100, Add	*8.72*	
		For >100 To 200, Add	*4.52*	
		For >200 To 300, Add	*2.26*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	28.06	
		For Up To 100, Add	*15.30*	
		For >100 To 200, Add	*7.91*	
		For >200 To 300, Add	*3.95*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.01	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.35	
		For Up To 100, Add	*4.11*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.11*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.92	
		For Up To 100, Add	*5.17*	
		For >100 To 200, Add	*2.88*	
		For >200 To 400, Add	*1.39*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.82	
		For Up To 100, Add	*5.22*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.88	
		For Up To 100, Add	*6.38*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.66*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	16.74	
		For Up To 100, Add	*9.07*	
		For >100 To 200, Add	*4.70*	
		For >200 To 300, Add	*2.35*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	29.11	
		For Up To 100, Add	*15.93*	
		For >100 To 200, Add	*8.22*	
		For >200 To 300, Add	*4.11*	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.43	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.40	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.64	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.49	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.48	
		For Up To 100, Add	*2.84*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.69	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.57	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.77	
		For Up To 100, Add	*3.05*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.05	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.55	
		For Up To 100, Add	*4.94*	
		For >100 To 200, Add	*2.75*	
		For >200 To 400, Add	*1.33*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.36	
		For Up To 100, Add	*4.99*	
		For >100 To 200, Add	*2.60*	
		For >200 To 300, Add	*1.30*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.32	
		For Up To 100, Add	*6.08*	
		For >100 To 200, Add	*3.16*	
		For >200 To 300, Add	*1.58*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.95	
		For Up To 100, Add	*8.66*	
		For >100 To 200, Add	*4.48*	
		For >200 To 300, Add	*2.24*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	27.77	
		For Up To 100, Add	*15.21*	
		For >100 To 200, Add	*7.85*	
		For >200 To 300, Add	*3.92*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.71	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.93	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.85*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.26	
		For Up To 100, Add	*4.08*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.10*	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.81	
		For Up To 100, Add	*5.13*	
		For >100 To 200, Add	*2.85*	
		For >200 To 400, Add	*1.38*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.69	
		For Up To 100, Add	*5.18*	
		For >100 To 200, Add	*2.70*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.73	
		For Up To 100, Add	*6.33*	
		For >100 To 200, Add	*3.28*	
		For >200 To 300, Add	*1.64*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.54	
		For Up To 100, Add	*9.01*	
		For >100 To 200, Add	*4.66*	
		For >200 To 300, Add	*2.33*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	28.82	
		For Up To 100, Add	*15.84*	
		For >100 To 200, Add	*8.16*	
		For >200 To 300, Add	*4.08*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.53	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.33	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.27	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.28*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.39	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.62	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*2.04*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.61	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.81*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.85	
		For Up To 100, Add	*3.85*	
		For >100 To 200, Add	*2.14*	
		For >200 To 400, Add	*1.04*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.33	
		For Up To 100, Add	*4.86*	
		For >100 To 200, Add	*2.69*	
		For >200 To 400, Add	*1.31*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.10	
		For Up To 100, Add	*4.91*	
		For >100 To 200, Add	*2.55*	
		For >200 To 300, Add	*1.27*	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.02	
		For Up To 100, Add	*5.99*	
		For >100 To 200, Add	*3.10*	
		For >200 To 300, Add	*1.55*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.57	
		For Up To 100, Add	*8.54*	
		For >100 To 200, Add	*4.40*	
		For >200 To 300, Add	*2.20*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	27.17	
		For Up To 100, Add	*15.03*	
		For >100 To 200, Add	*7.73*	
		For >200 To 300, Add	*3.86*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.58	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.77	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.84*	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.06	
		For Up To 100, Add	*4.01*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.08*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.59	
		For Up To 100, Add	*5.06*	
		For >100 To 200, Add	*2.80*	
		For >200 To 400, Add	*1.36*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.43	
		For Up To 100, Add	*5.11*	
		For >100 To 200, Add	*2.65*	
		For >200 To 300, Add	*1.32*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.43	
		For Up To 100, Add	*6.24*	
		For >100 To 200, Add	*3.22*	
		For >200 To 300, Add	*1.61*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	16.16	
		For Up To 100, Add	*8.90*	
		For >100 To 200, Add	*4.58*	
		For >200 To 300, Add	*2.29*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	28.22	
		For Up To 100, Add	*15.66*	
		For >100 To 200, Add	*8.04*	
		For >200 To 300, Add	*4.02*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*
Note: ASTM A-767 Hot Dipped Galvanized Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.27	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.20	
		For Up To 100, Add	*2.68*	
		For >100 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.53	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.33	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.58	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.51	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.80*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.76	
		For Up To 100, Add	*3.82*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.03*	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.22	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.67*	
		For >200 To 400, Add	*1.30*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.97	
		For Up To 100, Add	*4.87*	
		For >100 To 200, Add	*2.52*	
		For >200 To 300, Add	*1.26*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.88	
		For Up To 100, Add	*5.95*	
		For >100 To 200, Add	*3.07*	
		For >200 To 300, Add	*1.54*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	15.38	
		For Up To 100, Add	*8.48*	
		For >100 To 200, Add	*4.37*	
		For >200 To 300, Add	*2.18*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	26.87	
		For Up To 100, Add	*14.94*	
		For >100 To 200, Add	*7.67*	
		For >200 To 300, Add	*3.83*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.51	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.67	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.97	
		For Up To 100, Add	*3.97*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.07*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.48	
		For Up To 100, Add	*5.02*	
		For >100 To 200, Add	*2.77*	
		For >200 To 400, Add	*1.35*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	9.30	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	11.29	
		For Up To 100, Add	*6.20*	
		For >100 To 200, Add	*3.20*	
		For >200 To 300, Add	*1.60*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	15.97	
		For Up To 100, Add	*8.84*	
		For >100 To 200, Add	*4.54*	
		For >200 To 300, Add	*2.27*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	27.92	
		For Up To 100, Add	*15.57*	
		For >100 To 200, Add	*7.98*	
		For >200 To 300, Add	*3.99*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.70	
		For Up To 100, Add	*1.28*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.57	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.79	
		For Up To 100, Add	*1.37*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.71	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.97	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.74*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.28	
		For Up To 100, Add	*3.94*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.80	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.78*	
		For >200 To 400, Add	*1.33*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.64	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.63*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.61	
		For Up To 100, Add	*6.08*	
		For >100 To 200, Add	*3.19*	
		For >200 To 300, Add	*1.59*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.28	
		For Up To 100, Add	*8.62*	
		For >100 To 200, Add	*4.50*	
		For >200 To 300, Add	*2.25*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	28.20	
		For Up To 100, Add	*15.11*	
		For >100 To 200, Add	*7.86*	
		For >200 To 300, Add	*3.93*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.90	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.65*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.13	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.86*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.49	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.31*	
		For >200 To 400, Add	*1.11*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.06	
		For Up To 100, Add	*5.14*	
		For >100 To 200, Add	*2.89*	
		For >200 To 400, Add	*1.39*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.97	
		For Up To 100, Add	*5.19*	
		For >100 To 200, Add	*2.73*	
		For >200 To 300, Add	*1.36*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	12.02	
		For Up To 100, Add	*6.33*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.66*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.87	
		For Up To 100, Add	*8.98*	
		For >100 To 200, Add	*4.68*	
		For >200 To 300, Add	*2.34*	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	29.25	
		For Up To 100, Add	*15.74*	
		For >100 To 200, Add	*8.17*	
		For >200 To 300, Add	*4.09*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.77	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.72	
		For Up To 100, Add	*2.84*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.72	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.80	
		For Up To 100, Add	*2.92*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.07	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.40*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.80	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.92	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.14	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.85*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.47	
		For Up To 100, Add	*4.00*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.08*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.02	
		For Up To 100, Add	*5.02*	
		For >100 To 200, Add	*2.84*	
		For >200 To 400, Add	*1.36*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.89	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.68*	
		For >200 To 300, Add	*1.34*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	11.90	
		For Up To 100, Add	*6.17*	
		For >100 To 200, Add	*3.25*	
		For >200 To 300, Add	*1.62*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	16.67	
		For Up To 100, Add	*8.74*	
		For >100 To 200, Add	*4.58*	
		For >200 To 300, Add	*2.29*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	28.80	
		For Up To 100, Add	*15.29*	
		For >100 To 200, Add	*7.98*	
		For >200 To 300, Add	*3.99*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.03	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.66*	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.30	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.88*	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.68	
		For Up To 100, Add	*4.16*	
		For >100 To 200, Add	*2.35*	
		For >200 To 400, Add	*1.12*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.28	
		For Up To 100, Add	*5.22*	
		For >100 To 200, Add	*2.94*	
		For >200 To 400, Add	*1.41*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	10.22	
		For Up To 100, Add	*5.27*	
		For >100 To 200, Add	*2.78*	
		For >200 To 300, Add	*1.39*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.31	
		For Up To 100, Add	*6.41*	
		For >100 To 200, Add	*3.37*	
		For >200 To 300, Add	*1.68*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	17.26	
		For Up To 100, Add	*9.09*	
		For >100 To 200, Add	*4.76*	
		For >200 To 300, Add	*2.38*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	29.85	
		For Up To 100, Add	*15.92*	
		For >100 To 200, Add	*8.29*	
		For >200 To 300, Add	*4.15*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*
Note: ASTM A-775 Epoxy Coated Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.42	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.41*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.64	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.47	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.69	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*2.04*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.73	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.99	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.15*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.46	
		For Up To 100, Add	*4.83*	
		For >100 To 200, Add	*2.70*	
		For >200 To 400, Add	*1.30*	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	9.24	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.55*	
		For >200 To 300, Add	*1.27*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	11.17	
		For Up To 100, Add	*5.95*	
		For >100 To 200, Add	*3.10*	
		For >200 To 300, Add	*1.55*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	15.71	
		For Up To 100, Add	*8.45*	
		For >100 To 200, Add	*4.39*	
		For >200 To 300, Add	*2.19*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	27.28	
		For Up To 100, Add	*14.83*	
		For >100 To 200, Add	*7.67*	
		For >200 To 300, Add	*3.84*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.89	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.20	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.23*	
		For >200 To 400, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.72	
		For Up To 100, Add	*5.02*	
		For >100 To 200, Add	*2.80*	
		For >200 To 400, Add	*1.35*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.57	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.65*	
		For >200 To 300, Add	*1.32*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.58	
		For Up To 100, Add	*6.20*	
		For >100 To 200, Add	*3.22*	
		For >200 To 300, Add	*1.61*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	16.30	
		For Up To 100, Add	*8.81*	
		For >100 To 200, Add	*4.57*	
		For >200 To 300, Add	*2.28*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	28.33	
		For Up To 100, Add	*15.46*	
		For >100 To 200, Add	*7.99*	
		For >200 To 300, Add	*3.99*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.37	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.31	
		For Up To 100, Add	*2.67*	
		For >100 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.43	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.65	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.51	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.51	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.65	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.90	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.35	
		For Up To 100, Add	*4.79*	
		For >100 To 200, Add	*2.67*	
		For >200 To 400, Add	*1.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.11	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.52*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.02	
		For Up To 100, Add	*5.90*	
		For >100 To 200, Add	*3.07*	
		For >200 To 300, Add	*1.54*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.51	
		For Up To 100, Add	*8.39*	
		For >100 To 200, Add	*4.35*	
		For >200 To 300, Add	*2.17*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	26.99	
		For Up To 100, Add	*14.75*	
		For >100 To 200, Add	*7.61*	
		For >200 To 300, Add	*3.81*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.62	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.81	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.11	
		For Up To 100, Add	*3.96*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.07*	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.61	
		For Up To 100, Add	*4.98*	
		For >100 To 200, Add	*2.77*	
		For >200 To 400, Add	*1.34*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.44	
		For Up To 100, Add	*5.03*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.43	
		For Up To 100, Add	*6.15*	
		For >100 To 200, Add	*3.19*	
		For >200 To 300, Add	*1.60*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	16.10	
		For Up To 100, Add	*8.75*	
		For >100 To 200, Add	*4.53*	
		For >200 To 300, Add	*2.26*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	28.04	
		For Up To 100, Add	*15.38*	
		For >100 To 200, Add	*7.93*	
		For >200 To 300, Add	*3.96*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.27	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.18	
		For Up To 100, Add	*2.62*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.53	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.33	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.70*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.58	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.38	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.49	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.78*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.70	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.01*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.13	
		For Up To 100, Add	*4.71*	
		For >100 To 200, Add	*2.61*	
		For >200 To 400, Add	*1.27*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.85	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.72	
		For Up To 100, Add	*5.81*	
		For >100 To 200, Add	*3.01*	
		For >200 To 300, Add	*1.51*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.13	
		For Up To 100, Add	*8.28*	
		For >100 To 200, Add	*4.27*	
		For >200 To 300, Add	*2.14*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	26.39	
		For Up To 100, Add	*14.57*	
		For >100 To 200, Add	*7.49*	
		For >200 To 300, Add	*3.75*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*2.93*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.65	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.91	
		For Up To 100, Add	*3.89*	
		For >100 To 200, Add	*2.16*	
		For >200 To 400, Add	*1.05*	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.39	
		For Up To 100, Add	*4.91*	
		For >100 To 200, Add	*2.72*	
		For >200 To 400, Add	*1.32*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.18	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.29*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	11.13	
		For Up To 100, Add	*6.06*	
		For >100 To 200, Add	*3.13*	
		For >200 To 300, Add	*1.57*	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.72	
		For Up To 100, Add	*8.63*	
		For >100 To 200, Add	*4.45*	
		For >200 To 300, Add	*2.22*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	27.44	
		For Up To 100, Add	*15.20*	
		For >100 To 200, Add	*7.81*	
		For >200 To 300, Add	*3.90*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.84	
		For Up To 100, Add	*0.67*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.21	
		For Up To 100, Add	*1.82*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	3.11	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.27	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	3.19	
		For Up To 100, Add	*2.67*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.31	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.39	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.60*	
		For >200 To 400, Add	*0.77*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.61	
		For Up To 100, Add	*3.70*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*1.00*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.02	
		For Up To 100, Add	*4.67*	
		For >100 To 200, Add	*2.59*	
		For >200 To 400, Add	*1.26*	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.72	
		For Up To 100, Add	*4.72*	
		For >100 To 200, Add	*2.45*	
		For >200 To 300, Add	*1.22*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	10.58	
		For Up To 100, Add	*5.77*	
		For >100 To 200, Add	*2.98*	
		For >200 To 300, Add	*1.49*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	14.94	
		For Up To 100, Add	*8.22*	
		For >100 To 200, Add	*4.23*	
		For >200 To 300, Add	*2.12*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	26.09	
		For Up To 100, Add	*14.48*	
		For >100 To 200, Add	*7.43*	
		For >200 To 300, Add	*3.72*	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.42	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.55	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.82	
		For Up To 100, Add	*3.86*	
		For >100 To 200, Add	*2.14*	
		For >200 To 400, Add	*1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.28	
		For Up To 100, Add	*4.87*	
		For >100 To 200, Add	*2.69*	
		For >200 To 400, Add	*1.31*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	9.05	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.54*	
		For >200 To 300, Add	*1.27*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	10.99	
		For Up To 100, Add	*6.02*	
		For >100 To 200, Add	*3.11*	
		For >200 To 300, Add	*1.55*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	15.53	
		For Up To 100, Add	*8.57*	
		For >100 To 200, Add	*4.41*	
		For >200 To 300, Add	*2.21*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	27.14	
		For Up To 100, Add	*15.11*	
		For >100 To 200, Add	*7.75*	
		For >200 To 300, Add	*3.87*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.99	
		For Up To 12" Length, Deduct	*-0.69*	
		For >12" To <24" Length, Deduct	*-0.35*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.16	
		For Up To 12" Length, Deduct	*-1.05*	
		For >12" To <24" Length, Deduct	*-0.52*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.99	
		For Up To 12" Length, Deduct	*-1.56*	
		For >12" To <24" Length, Deduct	*-0.78*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	11.23	
		For Up To 12" Length, Deduct	*-2.07*	
		For >12" To <24" Length, Deduct	*-1.04*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	13.66	
		For Up To 12" Length, Deduct	*-2.82*	
		For >12" To <24" Length, Deduct	*-1.41*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	15.98	
		For Up To 12" Length, Deduct	*-3.48*	
		For >12" To <24" Length, Deduct	*-1.74*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	18.90	
		For Up To 12" Length, Deduct	*-4.20*	
		For >12" To <24" Length, Deduct	*-2.10*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	22.78	
		For Up To 12" Length, Deduct	*-5.10*	
		For >12" To <24" Length, Deduct	*-2.55*	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.88	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.00	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.14	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.35	
		For >5 Ton, Deduct	*-0.19*	
03 22 11 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.05	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.18	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.50	
		For >5 Ton, Deduct	*-0.21*	
03 22 11 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.74	
		For >5 Ton, Deduct	*-0.24*	
03 22 11 00-0010	SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.62	
		For >5 Ton, Deduct	*-0.21*	
03 22 11 00-0011	SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.24	
		For >5 Ton, Deduct	*-0.28*	
		For Galvanized, Add	*0.56*	
		For Epoxy Coated, Add	*1.13*	
03 22 11 00-0012	SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	3.01	
		For >5 Ton, Deduct	*-0.36*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 13 00-0001		**Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** *(03 22 13)*		
		Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.97	
		For >5 Ton, Deduct	*-0.14*	
03 22 13 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.12	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.29	
		For >5 Ton, Deduct	*-0.18*	
03 22 13 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.57	
		For >5 Ton, Deduct	*-0.21*	
03 22 13 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.18	
		For >5 Ton, Deduct	*-0.17*	
03 22 13 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.35	
		For >5 Ton, Deduct	*-0.19*	
03 22 13 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.77	
		For >5 Ton, Deduct	*-0.23*	
03 22 13 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.08	
		For >5 Ton, Deduct	*-0.27*	
03 22 13 00-0010		**Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns** *(03 22 13)*		
		Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0011	SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns	3.43	
		For >5 Ton, Deduct	*-0.53*	
03 22 16		**Epoxy-Coated Welded Wire Fabric Reinforcing** *(03 22)*		
03 22 16 00-0001		**Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** *(03 22 16)*		
		Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.96	
		For >5 Ton, Deduct	*-0.14*	
03 22 16 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.10	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.27	
		For >5 Ton, Deduct	*-0.18*	
03 22 16 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.54	
		For >5 Ton, Deduct	*-0.21*	
03 22 16 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.17	
		For >5 Ton, Deduct	*-0.17*	
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.33	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.74	
		For >5 Ton, Deduct	*-0.23*	
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.03	
		For >5 Ton, Deduct	*-0.26*	
03 22 23		**Stainless Steel Welded Wire Fabric Reinforcing** *(03 22)*		
		Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.		
03 22 23 00-0001		**Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** *(03 22 23)*		
03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.61	
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.07	

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0039 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	218.99	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*14.80*	
		For >20 To 50, Add	*5.55*	
		For >100 To 200, Deduct	*-4.38*	
		For >200 To 400, Deduct	*-8.76*	
		For >400, Deduct	*-13.14*	

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	265.53	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*33.41*	
		For >20 To 50, Add	*12.53*	
		For >100 To 200, Deduct	*-5.31*	
		For >200 To 400, Deduct	*-10.62*	
		For >400, Deduct	*-15.93*	

03 30 53 00-0005 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	203.47
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	196.11

03 30 53 00-0008 Hand Mix And Place Concrete *(03 30 53)*

03 30 53 00-0009	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	21.43	
		For Up To 25 CF, Add	*2.53*	
		For 2,000 PSI Concrete, Deduct	*-0.42*	
		For 2,500 PSI Concrete, Deduct	*-0.21*	
		For 3,500 PSI Concrete, Add	*0.39*	
		For 3,750 PSI Concrete, Add	*0.53*	
		For 4,000 PSI Concrete, Add	*0.67*	
		For 4,500 PSI Concrete, Add	*0.78*	
		For 5,000 PSI Concrete, Add	*0.89*	
		For 6,000 PSI Concrete, Add	*2.10*	
		For White Cement Concrete, Add	*0.93*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*1.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.78*	
		For Lightweight Aggregate, ASTM C330, Add	*2.72*	

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.65	
		For 2,000 PSI Concrete, Deduct	*-0.24*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.28*	
		For 4,500 PSI Concrete, Add	*0.35*	
		For 5,000 PSI Concrete, Add	*0.40*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*3.42*	
		For >500 To 1,000, Add	*2.36*	
		For >1,000 To 2,000, Add	*1.29*	
		For >2,000 To 5,000, Add	*0.64*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000 To 35,000, Deduct	*-0.44*	
		For >35,000 To 50,000, Deduct	*-0.65*	
		For >50,000 To 70,000, Deduct	*-0.87*	
		For >70,000, Deduct	*-1.09*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.44	
		For 2,000 PSI Concrete, Deduct	*-0.27*	
		For 2,500 PSI Concrete, Deduct	*-0.14*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.32*	
		For 4,500 PSI Concrete, Add	*0.40*	
		For 5,000 PSI Concrete, Add	*0.46*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*3.66*	
		For >500 To 1,000, Add	*2.52*	
		For >1,000 To 2,000, Add	*1.39*	
		For >2,000 To 5,000, Add	*0.69*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000 To 35,000, Deduct	*-0.49*	
		For >35,000 To 50,000, Deduct	*-0.72*	
		For >50,000 To 70,000, Deduct	*-0.96*	
		For >70,000, Deduct	*-1.20*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.58	
		For 2,000 PSI Concrete, Deduct	*-0.32*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.37*	
		For 4,500 PSI Concrete, Add	*0.46*	
		For 5,000 PSI Concrete, Add	*0.53*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*4.00*	
		For >500 To 1,000, Add	*2.77*	
		For >1,000 To 2,000, Add	*1.53*	
		For >2,000 To 5,000, Add	*0.77*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000 To 35,000, Deduct	*-0.56*	
		For >35,000 To 50,000, Deduct	*-0.82*	
		For >50,000 To 70,000, Deduct	*-1.09*	
		For >70,000, Deduct	*-1.35*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.66	
		For 2,000 PSI Concrete, Deduct	*-0.36*	
		For 2,500 PSI Concrete, Deduct	*-0.18*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.43*	
		For 4,500 PSI Concrete, Add	*0.53*	
		For 5,000 PSI Concrete, Add	*0.61*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*4.30*	
		For >500 To 1,000, Add	*2.98*	
		For >1,000 To 2,000, Add	*1.66*	
		For >2,000 To 5,000, Add	*0.83*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000 To 35,000, Deduct	*-0.63*	
		For >35,000 To 50,000, Deduct	*-0.92*	
		For >50,000 To 70,000, Deduct	*-1.21*	
		For >70,000, Deduct	*-1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.58	
		For 2,000 PSI Concrete, Deduct	*-0.40*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.47*	
		For 4,500 PSI Concrete, Add	*0.59*	
		For 5,000 PSI Concrete, Add	*0.68*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*4.56*	
		For >500 To 1,000, Add	*3.16*	
		For >1,000 To 2,000, Add	*1.77*	
		For >2,000 To 5,000, Add	*0.88*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000 To 35,000, Deduct	*-0.69*	
		For >35,000 To 50,000, Deduct	*-1.00*	
		For >50,000 To 70,000, Deduct	*-1.32*	
		For >70,000, Deduct	*-1.63*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.95	
		For 2,000 PSI Concrete, Deduct	*-0.51*	
		For 2,500 PSI Concrete, Deduct	*-0.25*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.59*	
		For 4,500 PSI Concrete, Add	*0.75*	
		For 5,000 PSI Concrete, Add	*0.86*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*5.19*	
		For >500 To 1,000, Add	*3.62*	
		For >1,000 To 2,000, Add	*2.05*	
		For >2,000 To 5,000, Add	*1.02*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000 To 35,000, Deduct	*-0.85*	
		For >35,000 To 50,000, Deduct	*-1.22*	
		For >50,000 To 70,000, Deduct	*-1.59*	
		For >70,000, Deduct	*-1.97*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	16.77	
		For 2,000 PSI Concrete, Deduct	*-0.59*	
		For 2,500 PSI Concrete, Deduct	*-0.29*	
		For 3,500 PSI Concrete, Add	*0.21*	
		For 4,000 PSI Concrete, Add	*0.68*	
		For 4,500 PSI Concrete, Add	*0.86*	
		For 5,000 PSI Concrete, Add	*0.99*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.88*	
		For Up To 500, Add	*5.71*	
		For >500 To 1,000, Add	*3.99*	
		For >1,000 To 2,000, Add	*2.27*	
		For >2,000 To 5,000, Add	*1.13*	
		For >10,000 To 20,000, Deduct	*-0.54*	
		For >20,000 To 35,000, Deduct	*-0.96*	
		For >35,000 To 50,000, Deduct	*-1.38*	
		For >50,000 To 70,000, Deduct	*-1.80*	
		For >70,000, Deduct	*-2.22*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	318.62	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*54.65*	
		For >20 To 50, Add	*20.49*	
		For >100 To 200, Deduct	*-6.37*	
		For >200 To 400, Deduct	*-12.74*	
		For >400, Deduct	*-19.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	243.41	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*24.57*	
		For >20 To 50, Add	*9.21*	
		For >100 To 200, Deduct	*-4.87*	
		For >200 To 400, Deduct	*-9.74*	
		For >400, Deduct	*-14.60*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	255.65	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*23.40*	
		For >20 To 50, Add	*8.77*	
		For >100 To 200, Deduct	*-5.11*	
		For >200 To 400, Deduct	*-10.23*	
		For >400, Deduct	*-15.34*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	303.43	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*48.58*	
		For >20 To 50, Add	*18.22*	
		For >100 To 200, Deduct	*-6.07*	
		For >200 To 400, Deduct	*-12.14*	
		For >400, Deduct	*-18.21*	
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	236.59	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*21.84*	
		For >20 To 50, Add	*8.19*	
		For >100 To 200, Deduct	*-4.73*	
		For >200 To 400, Deduct	*-9.46*	
		For >400, Deduct	*-14.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	249.15	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*20.80*	
		For >20 To 50, Add	*7.80*	
		For >100 To 200, Deduct	*-4.98*	
		For >200 To 400, Deduct	*-9.97*	
		For >400, Deduct	*-14.95*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	386.92	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*81.97*	
		For >20 To 50, Add	*30.74*	
		For >100 To 200, Deduct	*-7.74*	
		For >200 To 400, Deduct	*-15.48*	
		For >400, Deduct	*-23.22*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	274.12	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*36.85*	
		For >20 To 50, Add	*13.82*	
		For >100 To 200, Deduct	*-5.48*	
		For >200 To 400, Deduct	*-10.96*	
		For >400, Deduct	*-16.45*	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	284.90	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*35.10*	
		For >20 To 50, Add	*13.16*	
		For >100 To 200, Deduct	*-5.70*	
		For >200 To 400, Deduct	*-11.40*	
		For >400, Deduct	*-17.09*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	218.43	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*14.58*	
		For >20 To 50, Add	*5.47*	
		For >100 To 200, Deduct	*-4.37*	
		For >200 To 400, Deduct	*-8.74*	
		For >400, Deduct	*-13.11*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	198.38	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*6.56*	
		For >20 To 50, Add	*2.46*	
		For >100 To 200, Deduct	*-3.97*	
		For >200 To 400, Deduct	*-7.94*	
		For >400, Deduct	*-11.90*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation	210.81	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*5.46*	
		For >20 To 50, Add	*2.05*	
		For >100 To 200, Deduct	*-4.22*	
		For >200 To 400, Deduct	*-8.43*	
		For >400, Deduct	*-12.65*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	279.14	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*38.86*	
		For >20 To 50, Add	*14.57*	
		For >100 To 200, Deduct	*-5.58*	
		For >200 To 400, Deduct	*-11.17*	
		For >400, Deduct	*-16.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	225.66	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*17.47*	
		For >20 To 50, Add	*6.55*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.03*	
		For >400, Deduct	*-13.54*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	238.75	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*16.64*	
		For >20 To 50, Add	*6.24*	
		For >100 To 200, Deduct	*-4.78*	
		For >200 To 400, Deduct	*-9.55*	
		For >400, Deduct	*-14.33*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	281.42	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*39.77*	
		For >20 To 50, Add	*14.91*	
		For >100 To 200, Deduct	*-5.63*	
		For >200 To 400, Deduct	*-11.26*	
		For >400, Deduct	*-16.89*	
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	257.44	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*30.18*	
		For >20 To 50, Add	*11.32*	
		For >100 To 200, Deduct	*-5.15*	
		For >200 To 400, Deduct	*-10.30*	
		For >400, Deduct	*-15.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	226.70	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*17.88*	
		For >20 To 50, Add	*6.71*	
		For >100 To 200, Deduct	*-4.53*	
		For >200 To 400, Deduct	*-9.07*	
		For >400, Deduct	*-13.60*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	215.91	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*13.57*	
		For >20 To 50, Add	*5.09*	
		For >100 To 200, Deduct	*-4.32*	
		For >200 To 400, Deduct	*-8.64*	
		For >400, Deduct	*-12.95*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	234.41	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*14.90*	
		For >20 To 50, Add	*5.59*	
		For >100 To 200, Deduct	*-4.69*	
		For >200 To 400, Deduct	*-9.38*	
		For >400, Deduct	*-14.06*	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	225.42	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*11.30*	
		For >20 To 50, Add	*4.24*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.02*	
		For >400, Deduct	*-13.53*	

03 31 13 00-0039 Place Concrete Stairs *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	629.37	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*178.95*	
		For >20 To 50, Add	*67.11*	
		For >100 To 200, Deduct	*-12.59*	
		For >200 To 400, Deduct	*-25.17*	
		For >400, Deduct	*-37.76*	
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	383.15	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*80.46*	
		For >20 To 50, Add	*30.17*	
		For >100 To 200, Deduct	*-7.66*	
		For >200 To 400, Deduct	*-15.33*	
		For >400, Deduct	*-22.99*	
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	364.80	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*67.06*	
		For >20 To 50, Add	*25.15*	
		For >100 To 200, Deduct	*-7.30*	
		For >200 To 400, Deduct	*-14.59*	
		For >400, Deduct	*-21.89*	

03 31 13 00-0043 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0044 Place Elevated Concrete Beams *(03 31 13 00-0043)*

03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	424.87	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*97.15*	
		For >20 To 50, Add	*36.43*	
		For >100 To 200, Deduct	*-8.50*	
		For >200 To 400, Deduct	*-16.99*	
		For >400, Deduct	*-25.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	301.14	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*41.59*	
		For >20 To 50, Add	*15.60*	
		For >100 To 200, Deduct	*-6.02*	
		For >200 To 400, Deduct	*-12.05*	
		For >400, Deduct	*-18.07*	

03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	296.34	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*45.74*	
		For >20 To 50, Add	*17.15*	
		For >100 To 200, Deduct	*-5.93*	
		For >200 To 400, Deduct	*-11.85*	
		For >400, Deduct	*-17.78*	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	268.74	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*34.70*	
		For >20 To 50, Add	*13.01*	
		For >100 To 200, Deduct	*-5.37*	
		For >200 To 400, Deduct	*-10.75*	
		For >400, Deduct	*-16.12*	
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	246.12	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*19.58*	
		For >20 To 50, Add	*7.34*	
		For >100 To 200, Deduct	*-4.92*	
		For >200 To 400, Deduct	*-9.84*	
		For >400, Deduct	*-14.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	234.30	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*14.86*	
		For >20 To 50, Add	*5.57*	
		For >100 To 200, Deduct	*-4.69*	
		For >200 To 400, Deduct	*-9.37*	
		For >400, Deduct	*-14.06*	

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*

03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	444.30	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*104.92*	
		For >20 To 50, Add	*39.35*	
		For >100 To 200, Deduct	*-8.89*	
		For >200 To 400, Deduct	*-17.77*	
		For >400, Deduct	*-26.66*	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	372.65	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*76.26*	
		For >20 To 50, Add	*28.60*	
		For >100 To 200, Deduct	*-7.45*	
		For >200 To 400, Deduct	*-14.91*	
		For >400, Deduct	*-22.36*	
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	321.41	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*55.77*	
		For >20 To 50, Add	*20.91*	
		For >100 To 200, Deduct	*-6.43*	
		For >200 To 400, Deduct	*-12.86*	
		For >400, Deduct	*-19.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	298.57	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*46.63*	
		For >20 To 50, Add	*17.49*	
		For >100 To 200, Deduct	*-5.97*	
		For >200 To 400, Deduct	*-11.94*	
		For >400, Deduct	*-17.91*	
03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	309.48	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*44.93*	
		For >20 To 50, Add	*16.85*	
		For >100 To 200, Deduct	*-6.19*	
		For >200 To 400, Deduct	*-12.38*	
		For >400, Deduct	*-18.57*	
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	278.79	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*32.65*	
		For >20 To 50, Add	*12.24*	
		For >100 To 200, Deduct	*-5.58*	
		For >200 To 400, Deduct	*-11.15*	
		For >400, Deduct	*-16.73*	
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	256.85	
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*23.88*	
		For >20 To 50, Add	*8.95*	
		For >100 To 200, Deduct	*-5.14*	
		For >200 To 400, Deduct	*-10.27*	
		For >400, Deduct	*-15.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	247.07	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*19.96*	
		For >20 To 50, Add	*7.49*	
		For >100 To 200, Deduct	*-4.94*	
		For >200 To 400, Deduct	*-9.88*	
		For >400, Deduct	*-14.82*	

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*

03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	427.90	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*98.36*	
		For >20 To 50, Add	*36.89*	
		For >100 To 200, Deduct	*-8.56*	
		For >200 To 400, Deduct	*-17.12*	
		For >400, Deduct	*-25.67*	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	407.51	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*90.21*	
		For >20 To 50, Add	*33.83*	
		For >100 To 200, Deduct	*-8.15*	
		For >200 To 400, Deduct	*-16.30*	
		For >400, Deduct	*-24.45*	
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	354.13	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*68.86*	
		For >20 To 50, Add	*25.82*	
		For >100 To 200, Deduct	*-7.08*	
		For >200 To 400, Deduct	*-14.17*	
		For >400, Deduct	*-21.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	292.55	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*44.22*	
		For >20 To 50, Add	*16.58*	
		For >100 To 200, Deduct	*-5.85*	
		For >200 To 400, Deduct	*-11.70*	
		For >400, Deduct	*-17.55*	
03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	270.43	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*35.38*	
		For >20 To 50, Add	*13.27*	
		For >100 To 200, Deduct	*-5.41*	
		For >200 To 400, Deduct	*-10.82*	
		For >400, Deduct	*-16.23*	
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	259.37	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*30.95*	
		For >20 To 50, Add	*11.61*	
		For >100 To 200, Deduct	*-5.19*	
		For >200 To 400, Deduct	*-10.37*	
		For >400, Deduct	*-15.56*	
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	302.44	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*42.11*	
		For >20 To 50, Add	*15.79*	
		For >100 To 200, Deduct	*-6.05*	
		For >200 To 400, Deduct	*-12.10*	
		For >400, Deduct	*-18.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	281.39	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*33.69*	
		For >20 To 50, Add	*12.63*	
		For >100 To 200, Deduct	*-5.63*	
		For >200 To 400, Deduct	*-11.26*	
		For >400, Deduct	*-16.88*	
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	270.86	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*29.48*	
		For >20 To 50, Add	*11.06*	
		For >100 To 200, Deduct	*-5.42*	
		For >200 To 400, Deduct	*-10.83*	
		For >400, Deduct	*-16.25*	

03 31 13 00-0071 Place Elevated Concrete Stairs *(03 31 13 00-0043)*

03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	679.14	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*198.86*	
		For >20 To 50, Add	*74.57*	
		For >100 To 200, Deduct	*-13.58*	
		For >200 To 400, Deduct	*-27.17*	
		For >400, Deduct	*-40.75*	
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	405.49	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*89.40*	
		For >20 To 50, Add	*33.53*	
		For >100 To 200, Deduct	*-8.11*	
		For >200 To 400, Deduct	*-16.22*	
		For >400, Deduct	*-24.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs	383.41	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*74.50*	
		For >20 To 50, Add	*27.94*	
		For >100 To 200, Deduct	*-7.67*	
		For >200 To 400, Deduct	*-15.34*	
		For >400, Deduct	*-23.00*	

03 31 13 00-0075 Place Concrete Coping *(03 31 13 00-0043)*

03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	696.32	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*205.73*	
		For >20 To 50, Add	*77.15*	
		For >100 To 200, Deduct	*-13.93*	
		For >200 To 400, Deduct	*-27.85*	
		For >400, Deduct	*-41.78*	
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	403.98	
		For 2,000 PSI Concrete, Deduct	*-9.83*	
		For 2,500 PSI Concrete, Deduct	*-4.91*	
		For 3,500 PSI Concrete, Add	*9.10*	
		For 3,750 PSI Concrete, Add	*12.38*	
		For 4,000 PSI Concrete, Add	*15.65*	
		For 4,500 PSI Concrete, Add	*18.20*	
		For 5,000 PSI Concrete, Add	*20.75*	
		For 6,000 PSI Concrete, Add	*49.14*	
		For White Cement Concrete, Add	*21.84*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.66*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.20*	
		For Lightweight Aggregate, ASTM C330, Add	*63.70*	
		For Up To 20, Add	*88.80*	
		For >20 To 50, Add	*33.30*	
		For >100 To 200, Deduct	*-8.08*	
		For >200 To 400, Deduct	*-16.16*	
		For >400, Deduct	*-24.24*	
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping	533.41	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.65*	
		For 2,500 PSI Concrete, Deduct	*-5.32*	
		For 3,500 PSI Concrete, Add	*9.86*	
		For 3,750 PSI Concrete, Add	*13.41*	
		For 4,000 PSI Concrete, Add	*16.96*	
		For 4,500 PSI Concrete, Add	*19.72*	
		For 5,000 PSI Concrete, Add	*22.48*	
		For 6,000 PSI Concrete, Add	*53.23*	
		For White Cement Concrete, Add	*23.66*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.63*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.72*	
		For Lightweight Aggregate, ASTM C330, Add	*69.01*	
		For Up To 20, Add	*134.50*	
		For >20 To 50, Add	*50.44*	
		For >100 To 200, Deduct	*-10.67*	
		For >200 To 400, Deduct	*-21.34*	
		For >400, Deduct	*-32.00*	

03 31 13 00-0079 Concrete Carts *(03 31 13 00-0010)*

Note: Used to place concrete were necessary.

03 31 13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	26.11
03 31 13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	34.96
03 31 13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	46.63
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	11.78
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	15.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	21.06	
03 31 13 00-0086		**Delivery Fee For Small Concrete Purchases (Short Load)** *(03 31 13)*		
03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	27.00	
03 31 13 00-0088		**Equipment Pads** *(03 31 13)*		
03 31 13 00-0089		**Small Concrete Equipment Housekeeping Pad Assemblies** *(03 31 13 00-0088)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0090	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	20.77	
		For >5 To 20 Pads, Deduct	*-2.59*	
		For >20 To 50 Pads, Deduct	*-4.75*	
		For >50 Pads, Deduct	*-6.92*	
03 31 13 00-0091	SF	4" Equipment Pad With Rebar Assembly	26.78	
		For >5 To 20 Pads, Deduct	*-2.99*	
		For >20 To 50 Pads, Deduct	*-5.49*	
		For >50 Pads, Deduct	*-7.98*	
03 31 13 00-0092	SF	6" Equipment Pad With Rebar Assembly	33.46	
		For >5 To 20 Pads, Deduct	*-3.76*	
		For >20 To 50 Pads, Deduct	*-6.90*	
		For >50 Pads, Deduct	*-10.03*	
03 31 13 00-0093	SF	8" Equipment Pad With Rebar Assembly	41.81	
		For >5 To 20 Pads, Deduct	*-4.78*	
		For >20 To 50 Pads, Deduct	*-8.76*	
		For >50 Pads, Deduct	*-12.75*	
03 31 13 00-0094		**Delivery Fee For Concrete, Per Full Truck Load** *(03 31 13)*		
03 31 13 00-0095	EA	Concrete Delivery Fee, Per Truck Note: To be added to all concrete leaving concrete yard	40.00	
03 31 16		**Lightweight Structural Concrete** *(03 31)*		
03 31 16 00-0001		**Low Density Cellular / Foam Concrete Fill** *(03 31 16)*		
03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	318.27	
03 31 23		**High-Performance Structural Concrete** *(03 31)*		
03 31 23 00-0001		**Structural (Fly Ash) Concrete** *(03 31 23)*		
03 31 23 00-0002	CY	Direct Chute, 150 PSI Structural (Fly Ash) Concrete	130.64	
03 31 23 00-0003	CY	Direct Chute, 500 PSI Structural (Fly Ash) Concrete	133.24	
03 31 23 00-0004	CY	Direct Chute, 1,000 PSI Structural (Fly Ash) Concrete	136.72	
03 35		**Concrete Finishing** *(03 30)*		
03 35 13		**High-Tolerance Concrete Floor Finishing** *(03 35)*		
03 35 13 00-0001		**Floor Finishes** *(03 35 13)* Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.14	
		For Up To 100, Add	*2.28*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.11*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.36	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.34*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.50	
		For Up To 100, Add	*3.00*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.15*	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.75	
		For Up To 100, Add	*3.50*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.97	
		For Up To 100, Add	*3.94*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.49*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.20*	
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine	1.75	
		For Up To 100, Add	*3.50*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.40
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	2.13
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.33
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.59

03 35 19 Colored Concrete Finishing *(03 35)*

03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.57
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.39
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.41
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.43

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	4.20

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	4.75

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	19.25

03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	44.20
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	59.26

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.55
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	4.12
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	3.94

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.15
		For Up To 500, Add	*4.07*
		For >500 To 1,000, Add	*3.78*
		For >1,000 To 2,500, Add	*2.50*
		For >2,500 To 4,000, Add	*1.30*
		For >8,000 To 15,000, Deduct	*-0.50*
		For >15,000 To 25,000, Deduct	*-0.64*
		For >25,000, Deduct	*-0.90*
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.73
		For Up To 500, Add	*3.26*
		For >500 To 1,000, Add	*3.02*
		For >1,000 To 2,500, Add	*2.00*
		For >2,500 To 4,000, Add	*1.04*
		For >8,000 To 15,000, Deduct	*-0.40*
		For >15,000 To 25,000, Deduct	*-0.51*
		For >25,000, Deduct	*-0.72*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.45	
		For Up To 500, Add	*2.72*	
		For >500 To 1,000, Add	*2.52*	
		For >1,000 To 2,500, Add	*1.67*	
		For >2,500 To 4,000, Add	*0.87*	
		For >8,000 To 15,000, Deduct	*-0.34*	
		For >15,000 To 25,000, Deduct	*-0.43*	
		For >25,000, Deduct	*-0.60*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.35	
		For Up To 500, Add	*2.52*	
		For >500 To 1,000, Add	*2.34*	
		For >1,000 To 2,500, Add	*1.55*	
		For >2,500 To 4,000, Add	*0.81*	
		For >8,000 To 15,000, Deduct	*-0.31*	
		For >15,000 To 25,000, Deduct	*-0.40*	
		For >25,000, Deduct	*-0.56*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.24	
		For Up To 500, Add	*2.31*	
		For >500 To 1,000, Add	*2.14*	
		For >1,000 To 2,500, Add	*1.42*	
		For >2,500 To 4,000, Add	*0.74*	
		For >8,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.24	
		For Up To 500, Add	*2.31*	
		For >500 To 1,000, Add	*2.14*	
		For >1,000 To 2,500, Add	*1.42*	
		For >2,500 To 4,000, Add	*0.74*	
		For >8,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.24	
		For Up To 500, Add	*2.31*	
		For >500 To 1,000, Add	*2.14*	
		For >1,000 To 2,500, Add	*1.42*	
		For >2,500 To 4,000, Add	*0.74*	
		For >8,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.24	
		For Up To 500, Add	*2.31*	
		For >500 To 1,000, Add	*2.14*	
		For >1,000 To 2,500, Add	*1.42*	
		For >2,500 To 4,000, Add	*0.74*	
		For >8,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.31	
		For Up To 500, Add	*0.50*	
		For >500 To 1,000, Add	*0.47*	
		For >1,000 To 2,500, Add	*0.31*	
		For >2,500 To 4,000, Add	*0.16*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.08*	
		For >25,000, Deduct	*-0.11*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.62	
		For Up To 500, Add	*0.62*	
		For >500 To 1,000, Add	*0.58*	
		For >1,000 To 2,500, Add	*0.38*	
		For >2,500 To 4,000, Add	*0.20*	
		For >8,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 25,000, Deduct	*-0.10*	
		For >25,000, Deduct	*-0.14*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.09	
		For Up To 500, Add	*0.93*	
		For >500 To 1,000, Add	*0.86*	
		For >1,000 To 2,500, Add	*0.57*	
		For >2,500 To 4,000, Add	*0.30*	
		For >8,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 25,000, Deduct	*-0.15*	
		For >25,000, Deduct	*-0.21*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Cleanup	0.17	
		For Up To 500, Add	*0.33*	
		For >500 To 1,000, Add	*0.31*	
		For >1,000 To 2,500, Add	*0.20*	
		For >2,500 To 4,000, Add	*0.11*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.07*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.76	
		For Up To 100, Add	*2.18*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.59	
		For Up To 100, Add	*2.18*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.10	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.05*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.00	
		For Up To 100, Add	*3.80*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.48*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.19*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	3.01	
		For Up To 100, Add	*5.70*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.71*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000, Deduct	*-0.29*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.21	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.06*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.08	
		For Up To 100, Add	*12.06*	
		For >100 To 250, Add	*3.02*	
		For >250 To 500, Add	*1.51*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000, Deduct	*-0.60*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.42	
		For Up To 100, Add	*18.64*	
		For >100 To 250, Add	*4.66*	
		For >250 To 500, Add	*2.33*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000, Deduct	*-0.93*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.15	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.92	
		For Up To 100, Add	*7.58*	
		For >100 To 250, Add	*1.90*	
		For >250 To 500, Add	*0.95*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.38*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	5.99	
		For Up To 100, Add	*11.72*	
		For >100 To 250, Add	*2.93*	
		For >250 To 500, Add	*1.47*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.59*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF	5.91	
		For Up To 100, Add	*9.52*	
		For >100 To 250, Add	*2.38*	
		For >250 To 500, Add	*1.19*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF	11.80	
		For Up To 100, Add	*19.02*	
		For >100 To 250, Add	*4.76*	
		For >250 To 500, Add	*2.38*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000, Deduct	*-0.95*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.67	
		For Up To 25, Add	*0.70*	
		For >25 To 50, Add	*0.40*	
		For >50 To 150, Add	*0.17*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	6.89	
		For Up To 25, Add	*1.28*	
		For >25 To 50, Add	*0.74*	
		For >50 To 150, Add	*0.30*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	9.74	
		For Up To 25, Add	*1.78*	
		For >25 To 50, Add	*1.02*	
		For >50 To 150, Add	*0.40*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	12.28	
		For Up To 25, Add	*2.19*	
		For >25 To 50, Add	*1.26*	
		For >50 To 150, Add	*0.48*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	16.58	
		For Up To 25, Add	*2.83*	
		For >25 To 50, Add	*1.61*	
		For >50 To 150, Add	*0.59*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.04	
		For Radius Or Irregular Surface, Add	*1.22*	
		For Up To 25, Add	*0.86*	
		For >25 To 50, Add	*0.51*	
		For >50 To 150, Add	*0.23*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.44	
		For Radius Or Irregular Surface, Add	*2.18*	
		For Up To 25, Add	*1.56*	
		For >25 To 50, Add	*0.92*	
		For >50 To 150, Add	*0.41*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.34	
		For Radius Or Irregular Surface, Add	*2.94*	
		For Up To 25, Add	*2.14*	
		For >25 To 50, Add	*1.25*	
		For >50 To 150, Add	*0.55*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.82	
		For Radius Or Irregular Surface, Add	*3.53*	
		For Up To 25, Add	*2.61*	
		For >25 To 50, Add	*1.52*	
		For >50 To 150, Add	*0.66*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.92	
		For Radius Or Irregular Surface, Add	*3.98*	
		For Up To 25, Add	*2.98*	
		For >25 To 50, Add	*1.74*	
		For >50 To 150, Add	*0.75*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.70	
		For Radius Or Irregular Surface, Add	*4.29*	
		For Up To 25, Add	*3.28*	
		For >25 To 50, Add	*1.91*	
		For >50 To 150, Add	*0.80*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	20.85	
		For Radius Or Irregular Surface, Add	*5.15*	
		For Up To 25, Add	*4.02*	
		For >25 To 50, Add	*2.33*	
		For >50 To 150, Add	*0.97*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	24.44	
		For Radius Or Irregular Surface, Add	*5.79*	
		For Up To 25, Add	*4.62*	
		For >25 To 50, Add	*2.67*	
		For >50 To 150, Add	*1.09*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	27.60	
		For Radius Or Irregular Surface, Add	*6.26*	
		For Up To 25, Add	*5.11*	
		For >25 To 50, Add	*2.94*	
		For >50 To 150, Add	*1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement Note: 95 CY per hour rating	266.29	
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement Note: 117 CY per hour rating	289.01	
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement Note: 117 CY per hour rating	371.05	
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement Note: 117 CY per hour rating	422.13	
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement Note: 170 CY per hour rating	474.84	
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement Note: 170 CY per hour rating	586.47	
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement Note: 170 CY per hour rating	653.07	
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement Note: 182 CY per hour rating	814.38	
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	180.15	

03 38 Post-Tensioned Concrete *(03 30)*

03 38 16 Unbonded Post-Tensioned Concrete *(03 38)*

03 38 16 00-0001 Post-Tensioned Concrete Slab, 1/2" Diameter, Non-bonded Strands, HDPE Sheathed *(03 38 16)*

03 38 16 00-0002	SF	Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C.	1.29
03 38 16 00-0003	SF	Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C.	1.19
03 38 16 00-0004	SF	Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C.	1.07
03 38 16 00-0005	SF	> 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C.	1.20
03 38 16 00-0006	SF	> 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C.	1.06
03 38 16 00-0007	SF	> 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C.	0.97
03 38 16 00-0008	SF	> 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C.	1.11
03 38 16 00-0009	SF	> 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C.	1.00
03 38 16 00-0010	SF	> 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C.	0.89

03 38 16 00-0011 Stressing Of Slab, 1/2" Diameter, Non-bonded Strands, Tensioned Concrete *(03 38 16)*

03 38 16 00-0012	SF	Up To 600 SF Slab, Stressing Of Strands @ 36" O.C.	0.47
03 38 16 00-0013	SF	Up To 600 SF Slab, Stressing Of Strands @ 42" O.C.	0.43
03 38 16 00-0014	SF	Up To 600 SF Slab, Stressing Of Strands @ 48" O.C.	0.39
03 38 16 00-0015	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 36" O.C.	0.41
03 38 16 00-0016	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 42" O.C.	0.38
03 38 16 00-0017	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 48" O.C.	0.36
03 38 16 00-0018	SF	>1,200 SF Slab, Stressing Of Strands @ 36" O.C.	0.31
03 38 16 00-0019	SF	>1,200 SF Slab, Stressing Of Strands @ 42" O.C.	0.28
03 38 16 00-0020	SF	>1,200 SF Slab, Stressing Of Strands @ 48" O.C.	0.26

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.38	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	35.49	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	183.73	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	39.54	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	375.98	300.81
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	417.97	334.31
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	443.82	355.03
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	470.50	376.42
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	503.51	402.80
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	538.14	430.51
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	577.86	462.26
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	628.48	502.76
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	683.35	546.74

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	34.65
		For 3,500 PSI Concrete, Add	*0.69*
		For 4,000 PSI Concrete, Add	*1.04*
		For 4,500 PSI Concrete, Add	*1.39*
		For 5,000 PSI Concrete, Add	*2.08*
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	41.58
		For 3,500 PSI Concrete, Add	*0.83*
		For 4,000 PSI Concrete, Add	*1.25*
		For 4,500 PSI Concrete, Add	*1.66*
		For 5,000 PSI Concrete, Add	*2.49*
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	50.82
		For 3,500 PSI Concrete, Add	*1.02*
		For 4,000 PSI Concrete, Add	*1.52*
		For 4,500 PSI Concrete, Add	*2.03*
		For 5,000 PSI Concrete, Add	*3.05*
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	67.45
		For 3,500 PSI Concrete, Add	*1.35*
		For 4,000 PSI Concrete, Add	*2.02*
		For 4,500 PSI Concrete, Add	*2.70*
		For 5,000 PSI Concrete, Add	*4.05*

03 41 16 00-0017 Floor Units, Combination Beam And Slab *(03 41 16)*

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	462.42	369.93
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	504.02	403.27
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	557.07	445.61
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	618.56	494.82
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	695.33	556.21

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	582.70	466.19
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	635.11	508.05
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	701.97	561.62
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	779.46	623.59
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	876.18	701.01
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	952.67	762.08
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,052.95	842.35
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,165.40	932.38
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,319.08	1,055.26

03 41 16 00-0034 Material Cost *(03 41 16 00-0017)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab *(03 41 16 00-0034)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,649.76	
		For 3,500 PSI Concrete, Add	*73.00*	
		For 4,000 PSI Concrete, Add	*109.49*	
		For 4,500 PSI Concrete, Add	*145.99*	
		For 5,000 PSI Concrete, Add	*218.99*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,695.96	
		For 3,500 PSI Concrete, Add	*73.92*	
		For 4,000 PSI Concrete, Add	*110.88*	
		For 4,500 PSI Concrete, Add	*147.84*	
		For 5,000 PSI Concrete, Add	*221.76*	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,157.96	
		For 3,500 PSI Concrete, Add	*83.16*	
		For 4,000 PSI Concrete, Add	*124.74*	
		For 4,500 PSI Concrete, Add	*166.32*	
		For 5,000 PSI Concrete, Add	*249.48*	

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,742.16	
		For 3,500 PSI Concrete, Add	*74.84*	
		For 4,000 PSI Concrete, Add	*112.26*	
		For 4,500 PSI Concrete, Add	*149.69*	
		For 5,000 PSI Concrete, Add	*224.53*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,880.76	
		For 3,500 PSI Concrete, Add	*77.62*	
		For 4,000 PSI Concrete, Add	*116.42*	
		For 4,500 PSI Concrete, Add	*155.23*	
		For 5,000 PSI Concrete, Add	*232.85*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,943.35	
		For 3,500 PSI Concrete, Add	*98.87*	
		For 4,000 PSI Concrete, Add	*148.30*	
		For 4,500 PSI Concrete, Add	*197.73*	
		For 5,000 PSI Concrete, Add	*296.60*	

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,880.76	
		For 3,500 PSI Concrete, Add	*77.62*	
		For 4,000 PSI Concrete, Add	*116.42*	
		For 4,500 PSI Concrete, Add	*155.23*	
		For 5,000 PSI Concrete, Add	*232.85*	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,619.96	
		For 3,500 PSI Concrete, Add	*92.40*	
		For 4,000 PSI Concrete, Add	*138.60*	
		For 4,500 PSI Concrete, Add	*184.80*	
		For 5,000 PSI Concrete, Add	*277.20*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,636.35	
		For 3,500 PSI Concrete, Add	*112.73*	
		For 4,000 PSI Concrete, Add	*169.09*	
		For 4,500 PSI Concrete, Add	*225.45*	
		For 5,000 PSI Concrete, Add	*338.18*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	371.17	296.96
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	412.61	330.03
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	464.47	371.60
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	497.06	397.64
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	531.24	424.99
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	570.45	456.34
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	620.43	496.32
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	674.60	539.74

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	415.98	332.75
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	462.42	369.93
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	520.55	416.50
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	557.07	445.61
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	595.37	476.29
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	639.32	511.49
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	695.33	556.21
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	756.02	604.76
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	835.61	668.54
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	924.84	739.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,046.80	837.49
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,190.74	952.59
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,380.57	1,104.48

03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	46.20	
		For 3,500 PSI Concrete, Add	*0.92*	
		For 4,000 PSI Concrete, Add	*1.39*	
		For 4,500 PSI Concrete, Add	*1.85*	
		For 5,000 PSI Concrete, Add	*2.77*	
		For White Facing, Add	*9.24*	
		For Solid White Through Thickness, Add	*9.24*	
		For Broken Rib Finish, Add	*4.62*	
		For Fluted Surface, Add	*4.62*	
		For Exposed Aggregate, Add	*9.24*	
		For Sandblasting Of Surface, Add	*4.62*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	56.82	
		For 3,500 PSI Concrete, Add	*1.14*	
		For 4,000 PSI Concrete, Add	*1.70*	
		For 4,500 PSI Concrete, Add	*2.27*	
		For 5,000 PSI Concrete, Add	*3.41*	
		For White Facing, Add	*11.36*	
		For Solid White Through Thickness, Add	*11.36*	
		For Broken Rib Finish, Add	*5.68*	
		For Fluted Surface, Add	*5.68*	
		For Exposed Aggregate, Add	*11.36*	
		For Sandblasting Of Surface, Add	*5.68*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	68.38	
		For 3,500 PSI Concrete, Add	*1.37*	
		For 4,000 PSI Concrete, Add	*2.05*	
		For 4,500 PSI Concrete, Add	*2.74*	
		For 5,000 PSI Concrete, Add	*4.10*	
		For White Facing, Add	*13.68*	
		For Solid White Through Thickness, Add	*13.68*	
		For Broken Rib Finish, Add	*6.84*	
		For Fluted Surface, Add	*6.84*	
		For Exposed Aggregate, Add	*13.68*	
		For Sandblasting Of Surface, Add	*6.84*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	90.09	
		For 3,500 PSI Concrete, Add	*1.80*	
		For 4,000 PSI Concrete, Add	*2.70*	
		For 4,500 PSI Concrete, Add	*3.60*	
		For 5,000 PSI Concrete, Add	*5.41*	
		For White Facing, Add	*18.02*	
		For Solid White Through Thickness, Add	*18.02*	
		For Broken Rib Finish, Add	*9.01*	
		For Fluted Surface, Add	*9.01*	
		For Exposed Aggregate, Add	*18.02*	
		For Sandblasting Of Surface, Add	*9.01*	
		For 2" Polystyrene Insulation, Add	*2.19*	

03 41 19 00-0030 Partition Panels *(03 41 19)*

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	297.15	237.68
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	330.33	264.29
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	371.85	297.47
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	425.31	340.24
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	456.70	365.40
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	496.71	397.35
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	540.07	432.11
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	596.92	477.55

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	371.17	296.96
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	412.61	330.03
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	464.47	371.60
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	531.24	424.99
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	570.45	456.34
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	620.43	496.32
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	674.60	539.74
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	745.60	596.45
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	825.23	660.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	934.05	747.19
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	1,062.48	849.99
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	1,231.86	985.45

03 41 19 00-0053 Material Cost *(03 41 19 00-0030)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	43.89	
		For 4,000 PSI Concrete, Add	*1.32*	
		For 4,500 PSI Concrete, Add	*1.76*	
		For 5,000 PSI Concrete, Add	*2.63*	
		For White Facing, Add	*8.78*	
		For Solid White Through Thickness, Add	*8.78*	
		For Broken Rib Finish, Add	*4.39*	
		For Fluted Surface, Add	*4.39*	
		For Exposed Aggregate, Add	*8.78*	
		For Sandblasting Of Surface, Add	*4.39*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	54.05	
		For 4,000 PSI Concrete, Add	*1.62*	
		For 4,500 PSI Concrete, Add	*2.16*	
		For 5,000 PSI Concrete, Add	*3.24*	
		For White Facing, Add	*10.81*	
		For Solid White Through Thickness, Add	*10.81*	
		For Broken Rib Finish, Add	*5.41*	
		For Fluted Surface, Add	*5.41*	
		For Exposed Aggregate, Add	*10.81*	
		For Sandblasting Of Surface, Add	*5.41*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	64.68	
		For 4,000 PSI Concrete, Add	*1.94*	
		For 4,500 PSI Concrete, Add	*2.59*	
		For 5,000 PSI Concrete, Add	*3.88*	
		For White Facing, Add	*12.94*	
		For Solid White Through Thickness, Add	*12.94*	
		For Broken Rib Finish, Add	*6.47*	
		For Fluted Surface, Add	*6.47*	
		For Exposed Aggregate, Add	*12.94*	
		For Sandblasting Of Surface, Add	*6.47*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	85.47	
		For 4,000 PSI Concrete, Add	*2.56*	
		For 4,500 PSI Concrete, Add	*3.42*	
		For 5,000 PSI Concrete, Add	*5.13*	
		For White Facing, Add	*17.09*	
		For Solid White Through Thickness, Add	*17.09*	
		For Broken Rib Finish, Add	*8.55*	
		For Fluted Surface, Add	*8.55*	
		For Exposed Aggregate, Add	*17.09*	
		For Sandblasting Of Surface, Add	*8.55*	

03 41 19 00-0058 Cladding Panels *(03 41 19)*

03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	391.69	313.30
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	438.13	350.48
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	497.06	397.64
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	531.24	424.99
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	570.45	456.34
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	620.43	496.32
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	674.60	539.74
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	745.60	596.45

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	438.99	351.14
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	491.03	392.81
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	557.07	445.61
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	595.37	476.29
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	639.32	511.49
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	695.33	556.21
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	756.02	604.76
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	835.61	668.54
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	924.84	739.84
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,046.80	837.49
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,190.74	952.59
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,380.57	1,104.48

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	43.89	
		For 3,500 PSI Concrete, Add	*0.88*	
		For 4,000 PSI Concrete, Add	*1.32*	
		For 4,500 PSI Concrete, Add	*1.76*	
		For 5,000 PSI Concrete, Add	*2.63*	
		For White Facing, Add	*8.78*	
		For Solid White Through Thickness, Add	*8.78*	
		For Broken Rib Finish, Add	*4.39*	
		For Fluted Surface, Add	*4.39*	
		For Exposed Aggregate, Add	*8.78*	
		For Sandblasting Of Surface, Add	*4.39*	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	54.05	
		For 3,500 PSI Concrete, Add	*1.08*	
		For 4,000 PSI Concrete, Add	*1.62*	
		For 4,500 PSI Concrete, Add	*2.16*	
		For 5,000 PSI Concrete, Add	*3.24*	
		For White Facing, Add	*10.81*	
		For Solid White Through Thickness, Add	*10.81*	
		For Broken Rib Finish, Add	*5.41*	
		For Fluted Surface, Add	*5.41*	
		For Exposed Aggregate, Add	*10.81*	
		For Sandblasting Of Surface, Add	*5.41*	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	64.68	
		For 3,500 PSI Concrete, Add	*1.29*	
		For 4,000 PSI Concrete, Add	*1.94*	
		For 4,500 PSI Concrete, Add	*2.59*	
		For 5,000 PSI Concrete, Add	*3.88*	
		For White Facing, Add	*12.94*	
		For Solid White Through Thickness, Add	*12.94*	
		For Broken Rib Finish, Add	*6.47*	
		For Fluted Surface, Add	*6.47*	
		For Exposed Aggregate, Add	*12.94*	
		For Sandblasting Of Surface, Add	*6.47*	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	85.47	
		For 3,500 PSI Concrete, Add	*1.71*	
		For 4,000 PSI Concrete, Add	*2.56*	
		For 4,500 PSI Concrete, Add	*3.42*	
		For 5,000 PSI Concrete, Add	*5.13*	
		For White Facing, Add	*17.09*	
		For Solid White Through Thickness, Add	*17.09*	
		For Broken Rib Finish, Add	*8.55*	
		For Fluted Surface, Add	*8.55*	
		For Exposed Aggregate, Add	*17.09*	
		For Sandblasting Of Surface, Add	*8.55*	

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	391.69	313.30
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	438.13	350.48
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	497.06	397.64
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	531.24	424.99
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	570.45	456.34
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	620.43	496.32
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	674.60	539.74
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	745.60	596.45

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	396.78	317.36
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	443.82	355.03
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	503.51	402.80
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	538.14	430.51
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	577.86	462.26
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	628.48	502.76
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	683.35	546.74
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	755.28	604.19
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	835.94	668.76
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	946.17	756.89
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,076.26	861.02
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,247.85	998.24

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	60.06	
		For 3,500 PSI Concrete, Add	*1.20*	
		For 4,000 PSI Concrete, Add	*1.80*	
		For 4,500 PSI Concrete, Add	*2.40*	
		For 5,000 PSI Concrete, Add	*3.60*	
		For White Facing, Add	*12.01*	
		For Solid White Through Thickness, Add	*12.01*	
		For Broken Rib Finish, Add	*6.01*	
		For Fluted Surface, Add	*6.01*	
		For Exposed Aggregate, Add	*12.01*	
		For Sandblasting Of Surface, Add	*6.01*	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	70.69	
		For 3,500 PSI Concrete, Add	*1.41*	
		For 4,000 PSI Concrete, Add	*2.12*	
		For 4,500 PSI Concrete, Add	*2.83*	
		For 5,000 PSI Concrete, Add	*4.24*	
		For White Facing, Add	*14.14*	
		For Solid White Through Thickness, Add	*14.14*	
		For Broken Rib Finish, Add	*7.07*	
		For Fluted Surface, Add	*7.07*	
		For Exposed Aggregate, Add	*14.14*	
		For Sandblasting Of Surface, Add	*7.07*	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	82.24	
		For 3,500 PSI Concrete, Add	*1.64*	
		For 4,000 PSI Concrete, Add	*2.47*	
		For 4,500 PSI Concrete, Add	*3.29*	
		For 5,000 PSI Concrete, Add	*4.93*	
		For White Facing, Add	*16.45*	
		For Solid White Through Thickness, Add	*16.45*	
		For Broken Rib Finish, Add	*8.22*	
		For Fluted Surface, Add	*8.22*	
		For Exposed Aggregate, Add	*16.45*	
		For Sandblasting Of Surface, Add	*8.22*	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	103.95	
		For 3,500 PSI Concrete, Add	*2.08*	
		For 4,000 PSI Concrete, Add	*3.12*	
		For 4,500 PSI Concrete, Add	*4.16*	
		For 5,000 PSI Concrete, Add	*6.24*	
		For White Facing, Add	*20.79*	
		For Solid White Through Thickness, Add	*20.79*	
		For Broken Rib Finish, Add	*10.40*	
		For Fluted Surface, Add	*10.40*	
		For Exposed Aggregate, Add	*20.79*	
		For Sandblasting Of Surface, Add	*10.40*	

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	412.61	330.03
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	438.13	350.48
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	464.47	371.60
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	497.06	397.64
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	531.24	424.99
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	570.45	456.34
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	620.43	496.32
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	674.60	539.74

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	412.61	330.03
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	438.13	350.48
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	464.47	371.60
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	497.06	397.64
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	531.24	424.99
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	570.45	456.34
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	620.43	496.32
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	674.60	539.74

03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	925.89	
		For 3,500 PSI Concrete, Add	*120.83*	
		For 4,000 PSI Concrete, Add	*227.03*	
		For 4,500 PSI Concrete, Add	*333.69*	
		For 5,000 PSI Concrete, Add	*453.96*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0001		**Precast Beams, Girder And Joists** *(03 41 26)*		
03 41 26 00-0002		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	520.55	416.50
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	557.07	445.61
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	595.37	476.29
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	639.32	511.49
03 41 26 00-0007		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	655.93	524.71
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	701.97	561.62
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	750.23	600.18
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	805.61	644.44
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	876.18	701.01
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	952.67	762.08
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,052.95	842.35
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,165.40	932.38
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	185.15	
		For 3,500 PSI Concrete, Add	*5.05*	
		For 4,000 PSI Concrete, Add	*7.59*	
		For 4,500 PSI Concrete, Add	*10.11*	
		For 5,000 PSI Concrete, Add	*15.18*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	231.44	
		For 3,500 PSI Concrete, Add	*6.32*	
		For 4,000 PSI Concrete, Add	*9.49*	
		For 4,500 PSI Concrete, Add	*12.64*	
		For 5,000 PSI Concrete, Add	*18.98*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	277.73	
		For 3,500 PSI Concrete, Add	*7.58*	
		For 4,000 PSI Concrete, Add	*11.39*	
		For 4,500 PSI Concrete, Add	*15.16*	
		For 5,000 PSI Concrete, Add	*22.77*	
03 41 26 00-0021		**3,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	231.44	
		For 3,500 PSI Concrete, Add	*6.32*	
		For 4,000 PSI Concrete, Add	*9.49*	
		For 4,500 PSI Concrete, Add	*12.64*	
		For 5,000 PSI Concrete, Add	*18.98*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	277.73	
		For 3,500 PSI Concrete, Add	*7.58*	
		For 4,000 PSI Concrete, Add	*11.39*	
		For 4,500 PSI Concrete, Add	*15.16*	
		For 5,000 PSI Concrete, Add	*22.77*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	370.30	
		For 3,500 PSI Concrete, Add	*10.11*	
		For 4,000 PSI Concrete, Add	*15.18*	
		For 4,500 PSI Concrete, Add	*20.22*	
		For 5,000 PSI Concrete, Add	*30.36*	
03 41 26 00-0025		**5,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	324.01	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 4,000 PSI Concrete, Add	*13.28*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*26.57*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	370.30	
		For 3,500 PSI Concrete, Add	*10.11*	
		For 4,000 PSI Concrete, Add	*15.18*	
		For 4,500 PSI Concrete, Add	*20.22*	
		For 5,000 PSI Concrete, Add	*30.36*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	462.87	
		For 3,500 PSI Concrete, Add	*12.64*	
		For 4,000 PSI Concrete, Add	*18.98*	
		For 4,500 PSI Concrete, Add	*25.27*	
		For 5,000 PSI Concrete, Add	*37.96*	
03 41 26 00-0029		**Precast Concrete Columns** *(03 41 26)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0030		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0029)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	301.05	240.81
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	320.08	256.02
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	343.03	274.45
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	367.95	294.36
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	396.78	317.36
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	430.51	344.41
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	470.50	376.42
03 41 26 00-0038		**Material Cost** *(03 41 26 00-0029)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039		**12" x 12" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	958.30	
		For 3,500 PSI Concrete, Add	*71.87*	
		For 4,000 PSI Concrete, Add	*135.12*	
		For 4,500 PSI Concrete, Add	*199.33*	
		For 5,000 PSI Concrete, Add	*271.20*	
03 41 26 00-0041		**16" x 16" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	981.97	
		For 3,500 PSI Concrete, Add	*73.65*	
		For 4,000 PSI Concrete, Add	*138.46*	
		For 4,500 PSI Concrete, Add	*204.25*	
		For 5,000 PSI Concrete, Add	*277.90*	
03 41 26 00-0043		**20" x 20" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 26 00-0045		**24" x 24" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 26 00-0047		**28" x 28" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 26 00-0049		**32" x 32" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	981.97	
		For 3,500 PSI Concrete, Add	*73.65*	
		For 4,000 PSI Concrete, Add	*138.46*	
		For 4,500 PSI Concrete, Add	*204.25*	
		For 5,000 PSI Concrete, Add	*277.90*	
03 41 26 00-0051		**36" x 36" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		**Slabs, Roof And Floor Members** *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	19.48	2.47
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	24.29	2.47
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	29.13	2.59
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	33.96	2.72
03 41 33 00-0006		**Tee Members** *(03 41 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0007		**Multiple Tee, Roof And Floor** *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	43.85	3.21
03 41 33 00-0009		**Double Tee Wall Member** *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	61.89	8.76
03 41 33 00-0011		**Single Tee, Short Span, Roof Members** *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	51.49	5.30
03 41 33 00-0013		**Single Tee, Long Span, Roof Members** *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	61.85	4.57
03 41 33 00-0015		**Prestressed Concrete Items** *(03 41 33)*		
03 41 33 00-0016		**Prestressed Quad Tee** *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	31.80	0.99
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	33.19	0.99
03 41 33 00-0019		**Prestressed Double Tee** *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	52.90	0.86
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	72.87	0.86
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	36.07	1.48
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	55.93	0.99
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	39.06	1.97
03 41 33 00-0025		**Prestressed Single Tee** *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	62.56	2.22
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	72.52	1.36
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	95.96	1.23
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	101.05	1.23
03 41 33 00-0030		**Prestressed Double Tee Floor Members** *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,184.30	355.45
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	17,622.44	394.95
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	29,489.04	444.32
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,329.63	323.24
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,314.33	355.45
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,629.03	355.45
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,835.70	394.95
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,137.92	444.32
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	27,253.99	508.00
03 41 33 00-0040		**Prestressed Double Tee Roof Members** *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,712.26	355.45
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	16,696.56	394.95
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	27,405.81	444.32
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,505.44	323.24
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,962.45	355.45
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,934.62	355.45
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,215.41	394.95
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,517.63	444.32
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	23,319.01	508.00
03 41 33 00-0050		**Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab** *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	33.61	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	34.98	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	36.61	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	37.80	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	40.38	
03 41 33 00-0056		**Double And Single Tees** *(03 41 33)*		
03 41 33 00-0057		**Double And Single Tees With 16" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.60	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.64	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.44	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.60	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.48	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	62.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	60.89	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.02	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	62.27	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	58.39	
03 41 33 00-0068		Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	41.85	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	40.89	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	39.52	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	41.85	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.48	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	63.93	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	62.56	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	60.36	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	63.93	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	62.15	
03 41 33 00-0079		Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	44.10	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	42.72	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	41.33	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	67.85	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	65.64	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	63.00	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001		Precast Concrete Splash Blocks *(03 48 16)*		
03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	42.90	4.19

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001		Installation Cost *(03 48 21)*		
		Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	169.48	76.30
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	203.26	91.44
03 48 21 00-0004		Material Cost *(03 48 21)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,657.34	
		For 3,500 PSI Concrete, Add	*238.64*	
		For 4,000 PSI Concrete, Add	*448.39*	
		For 4,500 PSI Concrete, Add	*659.05*	
		For 5,000 PSI Concrete, Add	*896.60*	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,796.23	
		For 3,500 PSI Concrete, Add	*247.70*	
		For 4,000 PSI Concrete, Add	*465.42*	
		For 4,500 PSI Concrete, Add	*684.08*	
		For 5,000 PSI Concrete, Add	*930.65*	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,935.12	
		For 3,500 PSI Concrete, Add	*256.77*	
		For 4,000 PSI Concrete, Add	*482.45*	
		For 4,500 PSI Concrete, Add	*709.11*	
		For 5,000 PSI Concrete, Add	*964.69*	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,120.30	
		For 3,500 PSI Concrete, Add	*268.85*	
		For 4,000 PSI Concrete, Add	*505.15*	
		For 4,500 PSI Concrete, Add	*742.48*	
		For 5,000 PSI Concrete, Add	*1,010.09*	

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

03 48 22 00-0001		Sun Screen Blades *(03 48 22)*		
03 48 22 00-0002		Installation Cost *(03 48 22 00-0001)*		
		Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	84.75	38.15
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	101.81	45.78
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	127.21	57.29
03 48 22 00-0006		Material Cost *(03 48 22 00-0001)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,888.82	
		For 3,500 PSI Concrete, Add	*253.75*	
		For 4,000 PSI Concrete, Add	*476.77*	
		For 4,500 PSI Concrete, Add	*700.77*	
		For 5,000 PSI Concrete, Add	*953.34*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,027.71	
		For 3,500 PSI Concrete, Add	*262.81*	
		For 4,000 PSI Concrete, Add	*493.80*	
		For 4,500 PSI Concrete, Add	*725.79*	
		For 5,000 PSI Concrete, Add	*987.39*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,212.89	
		For 3,500 PSI Concrete, Add	*274.89*	
		For 4,000 PSI Concrete, Add	*516.50*	
		For 4,500 PSI Concrete, Add	*759.16*	
		For 5,000 PSI Concrete, Add	*1,032.79*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,398.07	
		For 3,500 PSI Concrete, Add	*286.97*	
		For 4,000 PSI Concrete, Add	*539.20*	
		For 4,500 PSI Concrete, Add	*792.53*	
		For 5,000 PSI Concrete, Add	*1,078.19*	
03 48 22 00-0011		Sun Screen/Trellis Units *(03 48 22)*		
03 48 22 00-0012		Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	391.69	176.24
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	438.13	197.22
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	497.06	223.65
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	531.24	239.06
03 48 22 00-0017		Material Cost *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,490.66	
		For 3,500 PSI Concrete, Add	*293.02*	
		For 4,000 PSI Concrete, Add	*550.55*	
		For 4,500 PSI Concrete, Add	*809.22*	
		For 5,000 PSI Concrete, Add	*1,100.89*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,629.55	
		For 3,500 PSI Concrete, Add	*302.08*	
		For 4,000 PSI Concrete, Add	*567.58*	
		For 4,500 PSI Concrete, Add	*834.24*	
		For 5,000 PSI Concrete, Add	*1,134.93*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,814.73	
		For 3,500 PSI Concrete, Add	*314.16*	
		For 4,000 PSI Concrete, Add	*590.29*	
		For 4,500 PSI Concrete, Add	*867.61*	
		For 5,000 PSI Concrete, Add	*1,180.33*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	5,046.21	
		For 3,500 PSI Concrete, Add	*329.27*	
		For 4,000 PSI Concrete, Add	*618.67*	
		For 4,500 PSI Concrete, Add	*909.33*	
		For 5,000 PSI Concrete, Add	*1,237.08*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		L - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	381.16	304.93
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	427.12	341.73
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	482.95	386.35
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	515.15	412.11
03 48 24 00-0007		O - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	402.83	322.33
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	452.11	361.64
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	512.04	409.58
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	548.38	438.67
03 48 24 00-0012		Platform Segment *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	772.71	618.23
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	934.05	747.19
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,036.57	829.27
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,164.37	931.53
03 48 24 00-0017		Cap Segment *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	422.88	338.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	472.22	377.71
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	537.97	430.30
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	574.32	459.39
03 48 24 00-0022		Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		L - Shaped Segments *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	386.11	308.89
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	432.67	346.16
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	489.22	391.36
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	521.83	417.46
03 48 24 00-0028		O - Shaped Segment *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	408.06	326.51
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	457.98	366.33
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	518.69	414.90
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	555.49	444.37
03 48 24 00-0033		Platform Segment *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	623.93	499.12
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	755.28	604.19
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	835.94	668.76
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	946.17	756.89
03 48 24 00-0038		Cap Segment *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	428.37	342.66
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	478.35	382.61
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	544.95	435.89
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	581.77	465.35
03 48 24 00-0043		Material Costs *(03 48 24)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 29		**Precast Accessories** *(03 48)*		
		Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		Bearing Pads For Precast Members *(03 48 29)*		
03 48 29 00-0002		Continuous 2" Wide Strips *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.48	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	2.11	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	3.49	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	4.91	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	6.38	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	9.16	
03 48 29 00-0009		Bearing Pad Pipe Supports *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	99.16	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	63.53	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	13.97	
03 48 46		**Precast Skylight Shells** *(03 48)*		
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	557.07	250.71
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	618.56	278.37
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	695.33	312.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0005		Material Cost *(03 48 46)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,648.20	
03 48 49		**Precast Landings** *(03 48)*		
03 48 49 00-0001	SF	3" Thick Precast Landing	114.38	
03 48 49 00-0002	SF	4" Thick Precast Landing	133.46	
03 48 49 00-0003	SF	5" Thick Precast Landing	151.50	
03 48 49 00-0004	SF	6" Thick Precast Landing	174.62	
03 48 54		**Precast Concrete Blocks** *(03 48)*		
03 48 54 00-0001		Precast Interlocking Concrete Blocks *(03 48 54)*		
		Note: Includes lifting loop		
03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	162.50	45.58
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	193.49	51.28
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	224.49	56.98
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	303.23	62.68
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	364.89	68.37
03 50		**Cast Decks and Underlayment** *(03)*		
03 51		**Cast Roof Decks** *(03 50)*		
03 51 13		**Cementitious Wood Fiber Decks** *(03 51)*		
03 51 13 00-0001		Cement Fiber Tongue And Groove Planks *(03 51 13)*		
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.28	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.44	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.67	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.25	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.91	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.66	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.57	
03 51 16		**Gypsum Concrete Roof Decks** *(03 51)*		
03 51 16 00-0001		Class A Gypsum Fill Concrete Deck *(03 51 16)*		
03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.79	0.62
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	15.86	0.73
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	18.94	0.83
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	22.05	0.93
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	25.19	1.04
03 51 16 00-0007		Form Board For Lightweight Deck *(03 51 16)*		
03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.55	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.36	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	6.84	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.81	0.70
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.40	0.70
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.75	0.70
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.63	0.70
03 51 16 00-0015		Gypsum Plank *(03 51 16)*		
03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.36	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.73	
03 53		**Concrete Topping** *(03 50)*		
		Note: Installed over new or existing concrete.		
03 53 14		**Granolithic Concrete Topping** *(03 53)*		
03 53 14 00-0001		Granolithic Topping Laid After *(03 53 14)*		
		Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.78	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.15	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.47	
03 53 19		**Concrete Overlayment** *(03 53)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 53 19 00-0001		Integral Topping Including Hard Trowel Finish *(03 53 19)* Note: Using 1:1:2 mix.		
03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.84	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.18	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.71	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.40	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.23	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.31	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.95	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001		Self Leveling Cementitious Underlayment For Floors *(03 54 16)* Note: Includes primer.		
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	2.08	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	3.62	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	5.16	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	6.69	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	8.23	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	9.81	
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	12.89	
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	16.01	
		For Up To 100 SF, Add	*0.21*	
		For >100 To 250 SF, Add	*0.11*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	19.08	
		For Up To 100 SF, Add	*0.21*	
		For >100 To 250 SF, Add	*0.11*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	22.25	
		For Up To 100 SF, Add	*0.26*	
		For >100 To 250 SF, Add	*0.13*	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001		Cementitious Flowable Grout *(03 61 16)*		
03 61 16 00-0002	CY	Cementitious Flowable Grout	500.57	

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	29.94	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	44.52	
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	44.44	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	70.91	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.29	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.99	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.95	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.36	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.47	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.94	
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	37.86	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	58.17	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.87	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.37	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.15	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.56	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.23	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.31	
03 63		**Epoxy Grouting** *(03 60)*		
03 63 00 00-0001		Spray On Concrete Epoxy Grout *(03 63)*		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.33	
		For Color, Add	*1.14*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	5.98	
		For Color, Add	*1.70*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.67	
		For Color, Add	*2.27*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	9.19	
		For Color, Add	*2.84*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	10.73	
		For Color, Add	*3.41*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	13.90	
		For Color, Add	*4.55*	
03 64		**Injection Grouting** *(03 60)*		
		Note: By volume of void filled. Includes injection ports.		
03 64 23		**Epoxy Injection Grouting** *(03 64)*		
03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,377.38	
		For >4, Deduct	*-145.67*	
03 64 26		**Cementitious Injection Grouting** *(03 64)*		
03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	241.31	
		For >4, Deduct	*-62.50*	
03 80		**Concrete Cutting and Boring** *(03)*		
03 81		**Concrete Cutting** *(03 80)*		
03 81 13		**Flat Concrete Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0001 for saw cutting.		
03 81 16		**Track Mounted Concrete Wall Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0001 for saw cutting.		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	10.36	

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	45.40	
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges	47.33	

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*
Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	15.52	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.86*	
		For >500, Deduct	*-5.48*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	20.51	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-6.28*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	22.47	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.59*	
		For >500, Deduct	*-6.48*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	44.07	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-10.20*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*
Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	8.55	4.12
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-4.00*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	9.57	4.53
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-4.49*	

06 05 23 00-0009 Angle Anchors *(06 05 23)*
Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	8.64	4.12
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	9.44	4.40
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-3.01*	
		For >500, Deduct	*-4.30*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	15.26	4.53
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 500, Deduct	*-3.58*	
		For >500, Deduct	*-5.06*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	13.90	4.53
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.93*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	15.20	5.09
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.41*	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	17.14	5.36
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.16*	
		For >500, Deduct	*-5.90*	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	9.36	3.85
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-4.08*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	11.32	4.12
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-3.14*	
		For >500, Deduct	*-4.46*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.72	4.26
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-3.32*	
		For >500, Deduct	*-4.71*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	14.02	4.40
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-5.01*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	10.09	3.85
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-4.15*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	11.07	4.12
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-4.44*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	12.66	4.26
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.71*	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	14.80	4.40
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 500, Deduct	*-3.59*	
		For >500, Deduct	*-5.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0025		**Hold Down Anchors** *(06 05 23)* Note: Including nails.		
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	65.10	
		For >10 To 50, Deduct	*-2.13*	
		For >50 To 100, Deduct	*-4.82*	
		For >100 To 250, Deduct	*-9.65*	
		For >250 To 500, Deduct	*-16.60*	
		For >500, Deduct	*-23.55*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	88.21	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-5.50*	
		For >100 To 250, Deduct	*-11.01*	
		For >250 To 500, Deduct	*-18.71*	
		For >500, Deduct	*-26.42*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	107.37	
		For >10 To 50, Deduct	*-2.34*	
		For >50 To 100, Deduct	*-6.19*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-20.91*	
		For >500, Deduct	*-29.43*	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	126.16	
		For >10 To 50, Deduct	*-2.61*	
		For >50 To 100, Deduct	*-7.07*	
		For >100 To 250, Deduct	*-14.14*	
		For >250 To 500, Deduct	*-23.83*	
		For >500, Deduct	*-33.51*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	200.84	
		For >10 To 50, Deduct	*-3.30*	
		For >50 To 100, Deduct	*-9.97*	
		For >100 To 250, Deduct	*-19.94*	
		For >250 To 500, Deduct	*-33.21*	
		For >500, Deduct	*-46.48*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	266.67	
		For >10 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-11.82*	
		For >100 To 250, Deduct	*-23.64*	
		For >250 To 500, Deduct	*-38.90*	
		For >500, Deduct	*-54.16*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	75.21	
		For >10 To 50, Deduct	*-2.13*	
		For >50 To 100, Deduct	*-5.08*	
		For >100 To 250, Deduct	*-10.15*	
		For >250 To 500, Deduct	*-17.36*	
		For >500, Deduct	*-24.57*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	82.63	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 250, Deduct	*-10.73*	
		For >250 To 500, Deduct	*-18.29*	
		For >500, Deduct	*-25.86*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	92.06	
		For >10 To 50, Deduct	*-2.34*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 250, Deduct	*-11.61*	
		For >250 To 500, Deduct	*-19.76*	
		For >500, Deduct	*-27.90*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	112.63	
		For >10 To 50, Deduct	*-2.61*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-13.47*	
		For >250 To 500, Deduct	*-22.81*	
		For >500, Deduct	*-32.16*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	144.81	
		For >10 To 50, Deduct	*-3.30*	
		For >50 To 100, Deduct	*-8.57*	
		For >100 To 250, Deduct	*-17.14*	
		For >250 To 500, Deduct	*-29.01*	
		For >500, Deduct	*-40.88*	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	160.81	
		For >10 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 250, Deduct	*-18.35*	
		For >250 To 500, Deduct	*-30.96*	
		For >500, Deduct	*-43.57*	
06 05 23 00-0038		**Joist And Beam Hangers** *(06 05 23)* Note: Including nails.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	9.01	3.85
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-4.04*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	9.96	4.12
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.04*	
		For >500, Deduct	*-4.33*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	13.39	4.26
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.78*	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	14.50	4.40
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.57*	
		For >500, Deduct	*-5.06*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	21.32	4.67
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.46*	
		For >250 To 500, Deduct	*-4.15*	
		For >500, Deduct	*-5.84*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	25.11	4.82
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.50*	
		For >500, Deduct	*-6.32*	
06 05 23 00-0045		**Anchor And Ties** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4)	36.88	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5)	45.63	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	5.23	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	5.82	
06 05 23 00-0050		**Hurricane Ties** *(06 05 23)*		
06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	10.03	4.26
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	3.51	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.62	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	11.93	4.26
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.99*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	18.27	
06 05 23 00-0056		**Post Column Bases** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	33.46	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	50.77	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	52.31	
06 05 23 00-0060		**Post Column Caps** *(06 05 23)*		
		Note: Including nails.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	19.39	4.82
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.36*	
		For >500, Deduct	*-6.17*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	40.35	4.82
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-6.10*	
		For >500, Deduct	*-8.50*	
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4) Note: Excludes field welding	193.91	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-13.82*	
		For >250 To 500, Deduct	*-22.10*	
		For >500, Deduct	*-30.39*	
		For Hot Dipped Galvanized, Add	*74.89*	
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	202.40	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 250, Deduct	*-14.76*	
		For >250 To 500, Deduct	*-23.69*	
		For >500, Deduct	*-32.61*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44) Note: Excludes field welding	126.51	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-10.45*	
		For >250 To 500, Deduct	*-17.05*	
		For >500, Deduct	*-23.65*	
		For Hot Dipped Galvanized, Add	*44.56*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	198.30	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 250, Deduct	*-14.55*	
		For >250 To 500, Deduct	*-23.38*	
		For >500, Deduct	*-32.20*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48) Note: Excludes field welding	207.15	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-15.00*	
		For >250 To 500, Deduct	*-24.04*	
		For >500, Deduct	*-33.09*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	211.31	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-15.00*	
		For >250 To 500, Deduct	*-23.98*	
		For >500, Deduct	*-32.96*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	214.06	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 250, Deduct	*-15.55*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-34.33*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	214.06	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 250, Deduct	*-15.55*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-34.33*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	246.04	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 250, Deduct	*-16.74*	
		For >250 To 500, Deduct	*-26.58*	
		For >500, Deduct	*-36.43*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	248.79	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 250, Deduct	*-17.29*	
		For >250 To 500, Deduct	*-27.54*	
		For >500, Deduct	*-37.80*	
		For Hot Dipped Galvanized, Add	*97.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	248.79	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 250, Deduct	*-17.29*	
		For >250 To 500, Deduct	*-27.54*	
		For >500, Deduct	*-37.80*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	299.81	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-9.71*	
		For >100 To 250, Deduct	*-19.42*	
		For >250 To 500, Deduct	*-30.61*	
		For >500, Deduct	*-41.81*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	302.56	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 250, Deduct	*-19.97*	
		For >250 To 500, Deduct	*-31.58*	
		For >500, Deduct	*-43.18*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	302.56	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 250, Deduct	*-19.97*	
		For >250 To 500, Deduct	*-31.58*	
		For >500, Deduct	*-43.18*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4) Note: Excludes field welding	193.91	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-13.82*	
		For >250 To 500, Deduct	*-22.10*	
		For >500, Deduct	*-30.39*	
		For Hot Dipped Galvanized, Add	*74.89*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	202.40	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 250, Deduct	*-14.76*	
		For >250 To 500, Deduct	*-23.69*	
		For >500, Deduct	*-32.61*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44) Note: Excludes field welding	126.51	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-10.45*	
		For >250 To 500, Deduct	*-17.05*	
		For >500, Deduct	*-23.65*	
		For Hot Dipped Galvanized, Add	*44.56*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	198.30	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 250, Deduct	*-14.55*	
		For >250 To 500, Deduct	*-23.38*	
		For >500, Deduct	*-32.20*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48) Note: Excludes field welding	207.15	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-15.00*	
		For >250 To 500, Deduct	*-24.04*	
		For >500, Deduct	*-33.09*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	211.31	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-15.00*	
		For >250 To 500, Deduct	*-23.98*	
		For >500, Deduct	*-32.96*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	214.06	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 250, Deduct	*-15.55*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-34.33*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	214.06	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 250, Deduct	*-15.55*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-34.33*	
		For Hot Dipped Galvanized, Add	*81.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	246.04	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 250, Deduct	*-16.74*	
		For >250 To 500, Deduct	*-26.58*	
		For >500, Deduct	*-36.43*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	248.79	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 250, Deduct	*-17.29*	
		For >250 To 500, Deduct	*-27.54*	
		For >500, Deduct	*-37.80*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	248.79	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 250, Deduct	*-17.29*	
		For >250 To 500, Deduct	*-27.54*	
		For >500, Deduct	*-37.80*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	299.81	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-9.71*	
		For >100 To 250, Deduct	*-19.42*	
		For >250 To 500, Deduct	*-30.61*	
		For >500, Deduct	*-41.81*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	302.56	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 250, Deduct	*-19.97*	
		For >250 To 500, Deduct	*-31.58*	
		For >500, Deduct	*-43.18*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	302.56	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 250, Deduct	*-19.97*	
		For >250 To 500, Deduct	*-31.58*	
		For >500, Deduct	*-43.18*	
		For Hot Dipped Galvanized, Add	*121.61*	

06 05 23 00-0091 Rafter Connectors *(06 05 23)*

06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	11.64	4.26
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.96*	

06 05 23 00-0093 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0094 Carriage Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.25	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.97*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.41	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-8.99*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.51	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-9.00*	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.56	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.17*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-10.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.06	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.89*	
		For >250 To 500, Deduct	*-6.80*	
		For >500, Deduct	*-9.70*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.71	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.18*	
		For >250 To 500, Deduct	*-7.30*	
		For >500, Deduct	*-10.42*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.97	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.19*	
		For >250 To 500, Deduct	*-7.32*	
		For >500, Deduct	*-10.45*	
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.28	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-8.77*	
		For >500, Deduct	*-12.52*	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.45	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-9.32*	
		For >500, Deduct	*-13.29*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.99	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.93*	
		For >250 To 500, Deduct	*-10.34*	
		For >500, Deduct	*-14.75*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.27	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.34*	
		For >500, Deduct	*-10.48*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.33	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.87*	
		For >500, Deduct	*-11.23*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.92	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.80*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.94*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.05	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.37*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-13.35*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	34.09	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.12*	
		For >100 To 250, Deduct	*-6.24*	
		For >250 To 500, Deduct	*-10.87*	
		For >500, Deduct	*-15.51*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.08	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-6.85*	
		For >250 To 500, Deduct	*-11.93*	
		For >500, Deduct	*-17.00*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.99	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-9.05*	
		For >500, Deduct	*-12.90*	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.43	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-9.62*	
		For >500, Deduct	*-13.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.72	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-15.97*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	43.23	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-11.94*	
		For >500, Deduct	*-16.97*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.95	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-7.50*	
		For >250 To 500, Deduct	*-12.97*	
		For >500, Deduct	*-18.44*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.96	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-7.76*	
		For >250 To 500, Deduct	*-13.43*	
		For >500, Deduct	*-19.09*	
06 05 23 00-0118		**Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts** *(06 05 23 00-0094)*		
06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.54	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-9.00*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.85	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.33*	
		For >500, Deduct	*-9.03*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.19	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.64*	
		For >250 To 500, Deduct	*-6.35*	
		For >500, Deduct	*-9.07*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.71	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.37*	
		For >500, Deduct	*-10.52*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.47	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.91*	
		For >250 To 500, Deduct	*-6.83*	
		For >500, Deduct	*-9.74*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.35	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.35*	
		For >500, Deduct	*-10.48*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.73	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-10.52*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.43	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-5.08*	
		For >250 To 500, Deduct	*-8.86*	
		For >500, Deduct	*-12.64*	
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.74	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-5.41*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-13.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.19	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-10.43*	
		For >500, Deduct	*-14.87*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.23	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.41*	
		For >500, Deduct	*-10.57*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.09	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-7.93*	
		For >500, Deduct	*-11.31*	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.82	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.85*	
		For >250 To 500, Deduct	*-8.44*	
		For >500, Deduct	*-12.03*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.35	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-9.46*	
		For >500, Deduct	*-13.48*	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.36	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-6.30*	
		For >250 To 500, Deduct	*-10.97*	
		For >500, Deduct	*-15.63*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.06	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-17.10*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.89	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-5.36*	
		For >250 To 500, Deduct	*-9.27*	
		For >500, Deduct	*-13.19*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.45	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-5.64*	
		For >250 To 500, Deduct	*-9.77*	
		For >500, Deduct	*-13.89*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	40.16	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-6.54*	
		For >250 To 500, Deduct	*-11.33*	
		For >500, Deduct	*-16.11*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	43.12	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-11.93*	
		For >500, Deduct	*-16.96*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	48.82	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-3.80*	
		For >100 To 250, Deduct	*-7.60*	
		For >250 To 500, Deduct	*-13.11*	
		For >500, Deduct	*-18.63*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	51.86	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.98*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-13.72*	
		For >500, Deduct	*-19.48*	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.35	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.37*	
		For >500, Deduct	*-9.08*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.97	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-9.25*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.03	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.57*	
		For >500, Deduct	*-9.35*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	36.18	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-8.38*	
		For >500, Deduct	*-11.87*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.22	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-4.00*	
		For >250 To 500, Deduct	*-6.96*	
		For >500, Deduct	*-9.92*	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.95	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.62*	
		For >500, Deduct	*-10.84*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.45	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.89*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	47.46	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 250, Deduct	*-6.08*	
		For >250 To 500, Deduct	*-10.36*	
		For >500, Deduct	*-14.64*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	57.27	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.78*	
		For >250 To 500, Deduct	*-11.48*	
		For >500, Deduct	*-16.18*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	64.12	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-7.54*	
		For >250 To 500, Deduct	*-12.75*	
		For >500, Deduct	*-17.96*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.84	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-7.76*	
		For >500, Deduct	*-11.03*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	31.47	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.87*	
		For >250 To 500, Deduct	*-8.41*	
		For >500, Deduct	*-11.95*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	37.76	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.26*	
		For >500, Deduct	*-13.12*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	58.76	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-6.86*	
		For >250 To 500, Deduct	*-11.59*	
		For >500, Deduct	*-16.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	66.45	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.93*	
		For >100 To 250, Deduct	*-7.86*	
		For >250 To 500, Deduct	*-13.30*	
		For >500, Deduct	*-18.74*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	102.67	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-10.08*	
		For >250 To 500, Deduct	*-16.77*	
		For >500, Deduct	*-23.46*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	79.79	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.91*	
		For >250 To 500, Deduct	*-13.17*	
		For >500, Deduct	*-18.43*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	112.20	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-10.15*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.32*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	124.12	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-5.47*	
		For >100 To 250, Deduct	*-10.95*	
		For >250 To 500, Deduct	*-18.00*	
		For >500, Deduct	*-25.06*	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	181.80	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-14.25*	
		For >250 To 500, Deduct	*-23.09*	
		For >500, Deduct	*-31.93*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	191.18	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-24.17*	
		For >500, Deduct	*-33.41*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	26.83	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 250, Deduct	*-4.02*	
		For >250 To 500, Deduct	*-6.93*	
		For >500, Deduct	*-9.83*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	29.67	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-7.14*	
		For >500, Deduct	*-10.12*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	32.01	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-7.69*	
		For >500, Deduct	*-10.90*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	37.33	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-8.47*	
		For >500, Deduct	*-11.98*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	49.97	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-9.42*	
		For >500, Deduct	*-13.25*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	54.42	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 250, Deduct	*-6.02*	
		For >250 To 500, Deduct	*-10.13*	
		For >500, Deduct	*-14.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	58.61	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-6.44*	
		For >250 To 500, Deduct	*-10.82*	
		For >500, Deduct	*-15.21*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	17.41	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 250, Deduct	*-3.45*	
		For >250 To 500, Deduct	*-6.03*	
		For >500, Deduct	*-8.61*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	17.55	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.45*	
		For >250 To 500, Deduct	*-6.04*	
		For >500, Deduct	*-8.63*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	17.84	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.47*	
		For >250 To 500, Deduct	*-6.06*	
		For >500, Deduct	*-8.66*	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	19.17	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-6.59*	
		For >500, Deduct	*-9.41*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	20.79	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-7.08*	
		For >500, Deduct	*-10.11*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	21.11	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-7.10*	
		For >500, Deduct	*-10.14*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	25.77	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-8.55*	
		For >500, Deduct	*-12.21*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	27.29	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-5.18*	
		For >250 To 500, Deduct	*-9.03*	
		For >500, Deduct	*-12.89*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	21.14	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-7.15*	
		For >500, Deduct	*-10.20*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	22.94	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.38*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.92*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	24.89	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 250, Deduct	*-4.68*	
		For >250 To 500, Deduct	*-8.17*	
		For >500, Deduct	*-11.65*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	28.27	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-9.16*	
		For >500, Deduct	*-13.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	33.23	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.65*	
		For >500, Deduct	*-15.18*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	36.26	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-11.61*	
		For >500, Deduct	*-16.56*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	30.21	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-9.31*	
		For >500, Deduct	*-13.26*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	35.93	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.12*	
		For >100 To 250, Deduct	*-6.24*	
		For >250 To 500, Deduct	*-10.85*	
		For >500, Deduct	*-15.45*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	39.48	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-6.62*	
		For >250 To 500, Deduct	*-11.48*	
		For >500, Deduct	*-16.34*	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	44.20	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-7.26*	
		For >250 To 500, Deduct	*-12.58*	
		For >500, Deduct	*-17.90*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	49.11	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-7.71*	
		For >250 To 500, Deduct	*-13.32*	
		For >500, Deduct	*-18.93*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.48	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.45*	
		For >250 To 500, Deduct	*-6.04*	
		For >500, Deduct	*-8.62*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.70	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-6.05*	
		For >500, Deduct	*-8.64*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.92	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.47*	
		For >250 To 500, Deduct	*-6.07*	
		For >500, Deduct	*-8.66*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.29	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-6.60*	
		For >500, Deduct	*-9.42*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.97	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-7.09*	
		For >500, Deduct	*-10.13*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.34	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-7.12*	
		For >500, Deduct	*-10.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.20	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.92*	
		For >250 To 500, Deduct	*-8.59*	
		For >500, Deduct	*-12.25*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	28.01	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-9.09*	
		For >500, Deduct	*-12.97*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.47	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.11*	
		For >250 To 500, Deduct	*-7.17*	
		For >500, Deduct	*-10.24*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.13	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.94*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	25.21	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 250, Deduct	*-4.70*	
		For >250 To 500, Deduct	*-8.19*	
		For >500, Deduct	*-11.69*	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	29.25	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-9.23*	
		For >500, Deduct	*-13.17*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	33.71	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.07*	
		For >100 To 250, Deduct	*-6.13*	
		For >250 To 500, Deduct	*-10.68*	
		For >500, Deduct	*-15.23*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	37.44	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-6.72*	
		For >250 To 500, Deduct	*-11.70*	
		For >500, Deduct	*-16.68*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	30.93	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-13.33*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	36.59	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-6.28*	
		For >250 To 500, Deduct	*-10.90*	
		For >500, Deduct	*-15.52*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	40.58	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 250, Deduct	*-6.68*	
		For >250 To 500, Deduct	*-11.57*	
		For >500, Deduct	*-16.45*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	46.80	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-7.39*	
		For >250 To 500, Deduct	*-12.77*	
		For >500, Deduct	*-18.16*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	51.89	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-3.93*	
		For >100 To 250, Deduct	*-7.85*	
		For >250 To 500, Deduct	*-13.53*	
		For >500, Deduct	*-19.21*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.20	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.49*	
		For >250 To 500, Deduct	*-6.09*	
		For >500, Deduct	*-8.69*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.96	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.53*	
		For >250 To 500, Deduct	*-6.15*	
		For >500, Deduct	*-8.77*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	21.02	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.63*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-8.97*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	21.33	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.88*	
		For >250 To 500, Deduct	*-6.75*	
		For >500, Deduct	*-9.63*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	23.82	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-7.31*	
		For >500, Deduct	*-10.41*	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.14	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.27*	
		For >250 To 500, Deduct	*-7.40*	
		For >500, Deduct	*-10.54*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	47.50	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-10.18*	
		For >500, Deduct	*-14.38*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	64.90	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-7.06*	
		For >250 To 500, Deduct	*-11.86*	
		For >500, Deduct	*-16.65*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.33	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.30*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-10.62*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	29.42	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 250, Deduct	*-4.71*	
		For >250 To 500, Deduct	*-8.14*	
		For >500, Deduct	*-11.57*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	35.52	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.72*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	68.81	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-7.28*	
		For >250 To 500, Deduct	*-12.20*	
		For >500, Deduct	*-17.12*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	92.53	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 250, Deduct	*-9.07*	
		For >250 To 500, Deduct	*-15.09*	
		For >500, Deduct	*-21.11*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	107.58	
		For >10 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-5.12*	
		For >100 To 250, Deduct	*-10.23*	
		For >250 To 500, Deduct	*-16.96*	
		For >500, Deduct	*-23.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	98.84	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-4.39*	
		For >100 To 250, Deduct	*-8.78*	
		For >250 To 500, Deduct	*-14.45*	
		For >500, Deduct	*-20.12*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	113.06	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-5.05*	
		For >100 To 250, Deduct	*-10.10*	
		For >250 To 500, Deduct	*-16.63*	
		For >500, Deduct	*-23.17*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	117.68	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-5.27*	
		For >100 To 250, Deduct	*-10.53*	
		For >250 To 500, Deduct	*-17.35*	
		For >500, Deduct	*-24.16*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	161.03	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 250, Deduct	*-13.11*	
		For >250 To 500, Deduct	*-21.34*	
		For >500, Deduct	*-29.58*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	175.34	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 250, Deduct	*-14.02*	
		For >250 To 500, Deduct	*-22.79*	
		For >500, Deduct	*-31.55*	

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.66
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.72
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.78
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	2.98

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	2.49
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.54
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.60
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.76
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.53
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.58
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.64
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	2.85

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	42.10	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 250, Deduct	*-6.38*	
		For >250 To 500, Deduct	*-10.99*	
		For >500, Deduct	*-15.60*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	47.54	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-3.58*	
		For >100 To 250, Deduct	*-7.16*	
		For >250 To 500, Deduct	*-12.33*	
		For >500, Deduct	*-17.50*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	51.31	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 250, Deduct	*-7.66*	
		For >250 To 500, Deduct	*-13.18*	
		For >500, Deduct	*-18.71*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	57.02	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.12*	
		For >100 To 250, Deduct	*-8.23*	
		For >250 To 500, Deduct	*-14.14*	
		For >500, Deduct	*-20.05*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	60.66	
		For >10 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 250, Deduct	*-8.71*	
		For >250 To 500, Deduct	*-14.95*	
		For >500, Deduct	*-21.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	63.00	
		For >10 To 50, Deduct	*-1.97*	
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 250, Deduct	*-9.07*	
		For >250 To 500, Deduct	*-15.58*	
		For >500, Deduct	*-22.09*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	56.38	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 250, Deduct	*-7.91*	
		For >250 To 500, Deduct	*-13.56*	
		For >500, Deduct	*-19.21*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	58.96	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.12*	
		For >100 To 250, Deduct	*-8.25*	
		For >250 To 500, Deduct	*-14.14*	
		For >500, Deduct	*-20.02*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	65.16	
		For >10 To 50, Deduct	*-1.87*	
		For >50 To 100, Deduct	*-4.43*	
		For >100 To 250, Deduct	*-8.87*	
		For >250 To 500, Deduct	*-15.17*	
		For >500, Deduct	*-21.48*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	69.90	
		For >10 To 50, Deduct	*-1.97*	
		For >50 To 100, Deduct	*-4.70*	
		For >100 To 250, Deduct	*-9.40*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.73*	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	75.02	
		For >10 To 50, Deduct	*-2.06*	
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 250, Deduct	*-9.94*	
		For >250 To 500, Deduct	*-16.98*	
		For >500, Deduct	*-24.01*	

06 05 23 00-0258 Supports *(06 05 23)*

06 05 23 00-0259 Shear Plates *(06 05 23 00-0258)*

06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	16.82	5.09
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.41*	
		For >500, Deduct	*-6.27*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	16.45	5.36
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.52*	
		For >500, Deduct	*-6.43*	

06 05 23 00-0262 Sill Anchors *(06 05 23 00-0258)*

06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	14.99	5.36
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-4.41*	
		For >500, Deduct	*-6.28*	

06 05 23 00-0264 Spike Grids *(06 05 23 00-0258)*

06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	13.59	5.09
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-4.17*	
		For >500, Deduct	*-5.94*	

06 05 23 00-0266 Split Rings *(06 05 23 00-0258)*

06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	17.00	5.09
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-4.43*	
		For >500, Deduct	*-6.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0268	EA	4" Diameter Split Ring	18.34	5.64
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-4.81*	
		For >500, Deduct	*-6.83*	
06 05 23 00-0269		**Toothed Rings** *(06 05 23 00-0258)*		
06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	14.24	5.09
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.22*	
		For >500, Deduct	*-6.01*	
06 05 23 00-0271		**Straps And Shields** *(06 05 23)*		
06 05 23 00-0272		**Shield Plate** *(06 05 23 00-0271)*		
06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	9.32	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.72*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	14.62	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.41*	
06 05 23 00-0275		**Strap Ties** *(06 05 23 00-0271)*		
06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	3.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-1.01*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	3.91	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-1.02*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	4.99	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.29*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	5.16	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.31*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	5.34	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.33*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	6.16	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.56*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	7.79	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.73*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	9.04	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-2.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	4.19	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-1.05*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	4.32	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.06*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	5.50	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.34*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	5.72	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.36*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	5.82	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.37*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	6.67	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.61*	
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	8.13	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.76*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	9.06	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-2.01*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	13.95	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.66*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	4.86	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	4.88	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	5.95	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.39*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	8.13	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.76*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	6.81	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	7.47	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.38*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.78	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.77*	
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	14.38	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-2.39*	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	17.87	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.90*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	26.17	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.65*	
		For >500, Deduct	*-3.88*	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	45.00	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.15*	
		For >500, Deduct	*-5.92*	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	57.84	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-5.20*	
		For >500, Deduct	*-7.37*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	17.02	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.65*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	21.89	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.30*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	25.54	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.82*	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	38.52	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-3.66*	
		For >500, Deduct	*-5.27*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	4.40	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.07*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	5.48	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	6.29	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.42*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	6.82	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.55*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	4.35	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.07*	
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	5.56	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.27*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	6.43	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.43*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	6.87	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.56*	
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	9.22	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.87*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	7.05	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.42*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	8.44	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.71*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	9.77	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.92*	

06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	7.11	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.50*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	8.05	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.60*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	9.55	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.75*	

06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	11.86	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.40*	
		For >500, Deduct	*-2.13*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	22.88	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.24*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	22.98	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.25*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	30.64	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-4.01*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	28.81	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.83*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	31.18	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.85*	
		For >500, Deduct	*-4.07*	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	32.97	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-4.24*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	49.58	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-4.23*	
		For >500, Deduct	*-5.91*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	3.54	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.98*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	3.70	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-1.00*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	794.65	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	141.04	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 10		**Rough Carpentry** *(06)*		
06 11		**Wood Framing** *(06 10)*		
		Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.		
06 11 13		**Engineered Wood Products** *(06 11)*		
		Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.		
06 11 13 00-0001		Built-Up Members *(06 11 13)*		
		Note: A structural framing member made from fastening separate pieces of lumber together.		
06 11 13 00-0002		Built-Up Beams Or Joists *(06 11 13 00-0001)*		
06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	5.33	2.35
		For Each Additional 2" x_" In The Built Up Member, Add	*0.87*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	6.62	2.77
		For Each Additional 2" x_" In The Built Up Member, Add	*1.23*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	8.40	3.32
		For Each Additional 2" x_" In The Built Up Member, Add	*1.71*	
06 11 13 00-0006		Built-Up Posts *(06 11 13 00-0001)*		
06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	5.33	2.35
		For Each Additional 2" x_" In The Built Up Member, Add	*0.87*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	6.62	2.77
		For Each Additional 2" x_" In The Built Up Member, Add	*1.23*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	8.40	3.32
		For Each Additional 2" x_" In The Built Up Member, Add	*1.71*	
06 11 16		**Mechanically Graded Lumber** *(06 11)*		
06 11 16 00-0001		Rafters And Joists *(06 11 16)*		
06 11 16 00-0002		Rafters *(06 11 16 00-0001)*		
		Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0003	LF	2" x 6" Wood Rafter	3.08	1.66
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.58	1.79
06 11 16 00-0005	LF	2" x 10" Wood Rafter	5.17	2.63
06 11 16 00-0006	LF	2" x 12" Wood Rafter	5.94	2.91
06 11 16 00-0007	LF	2" x 14" Wood Rafter	6.46	3.18
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	3.61	1.66
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	4.32	1.79
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	5.90	2.63
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	7.05	2.91
06 11 16 00-0012		Joists *(06 11 16 00-0001)*		
		Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.66	1.39
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	3.31	1.52
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	4.20	1.94
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	4.98	2.21
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	5.48	2.35
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	3.19	1.39
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	4.05	1.52
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	4.93	1.94
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	6.09	2.21
06 11 16 00-0022		Purlins *(06 11 16 00-0001)*		
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF	2" x 4" Wood Purlin	2.18	0.83
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.69	0.91
06 11 16 00-0025	LF	2" x 8" Wood Purlin	3.24	1.01
06 11 16 00-0026	LF	2" x 10" Wood Purlin	3.92	1.10
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.50	0.83
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	3.22	0.91
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.98	1.01
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	4.65	1.10
06 11 16 00-0031		Exposed Rafters Or Joists *(06 11 16 00-0001)*		
06 11 16 00-0032		Redwood Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.93	1.39
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.79	1.52
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	5.95	1.94
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	7.20	2.21
06 11 16 00-0037		Cedar Rafters Or Joists *(06 11 16 00-0031)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.67	1.39
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	3.01	1.52
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	3.48	1.94
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	3.96	2.21
06 11 16 00-0042		**Oak Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	3.18	1.39
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	4.32	1.52
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	5.58	1.94
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	6.85	2.21
06 11 16 00-0047		**Framing** *(06 11 16)*		
06 11 16 00-0048		**Partition Framing** *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.11	1.10
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.53	1.18
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	2.96	1.25
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.43	1.10
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	3.06	1.18
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	3.70	1.25
06 11 16 00-0055		**Wall Framing Assemblies By The SF** *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.72	1.34
		For Up To 200, Add	*0.94*	
		For >200 To 500, Add	*0.47*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.65	1.71
		For Up To 200, Add	*1.24*	
		For >200 To 500, Add	*0.62*	
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.87	2.29
		For Up To 200, Add	*1.65*	
		For >200 To 500, Add	*0.83*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.21	1.08
		For Up To 200, Add	*0.76*	
		For >200 To 500, Add	*0.38*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	3.02	1.43
		For Up To 200, Add	*1.02*	
		For >200 To 500, Add	*0.51*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	4.05	1.91
		For Up To 200, Add	*1.37*	
		For >200 To 500, Add	*0.69*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.74	0.84
		For Up To 200, Add	*0.60*	
		For >200 To 500, Add	*0.30*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.37	1.11
		For Up To 200, Add	*0.80*	
		For >200 To 500, Add	*0.40*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.18	1.48
		For Up To 200, Add	*1.08*	
		For >200 To 500, Add	*0.54*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	3.63	2.08
06 11 16 00-0071	LF	2" x 6" Wood Sill	4.33	2.35
06 11 16 00-0072	LF	2" x 8" Wood Sill	5.13	2.63
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	3.95	2.08
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	4.86	2.35
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	5.87	2.63
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	3.63	2.08
06 11 16 00-0078	LF	2" x 6" Wood Plate	4.33	2.35
06 11 16 00-0079	LF	2" x 8" Wood Plate	5.10	2.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	3.95	2.08
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	4.86	2.35
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	5.84	2.63
06 11 16 00-0083		**Sills And Plates From Redwood** *(06 11 16 00-0068)*		
06 11 16 00-0084		**Construction Grade/Rough** *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	6.81	2.35
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	9.01	2.63
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	10.95	2.91
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	13.23	3.18
06 11 16 00-0089		**Con Heart/Smooth** *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	8.23	2.35
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	11.15	2.63
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	14.58	2.91
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	17.53	3.18
06 11 16 00-0094		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	3.00	1.79
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	3.27	1.94
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing	3.42	2.08
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing	3.51	2.08
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing	4.17	2.35
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.27	1.79
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.28	1.94
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.60	2.08
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.80	2.08
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.44	2.35
06 11 16 00-0105		**Posts And Girts** *(06 11 16)*		
06 11 16 00-0106		**Posts** *(06 11 16 00-0105)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0107	LF	4" x 4" Wood Post	5.23	2.63
06 11 16 00-0108	LF	4" x 5" Wood Post	5.96	3.04
06 11 16 00-0109	LF	4" x 6" Wood Post	6.57	3.32
06 11 16 00-0110	LF	6" x 6" Wood Post	7.30	3.60
06 11 16 00-0111	LF	8" x 8" Wood Post	8.04	3.74
06 11 16 00-0112	LF	10" x 10" Wood Post	8.77	4.29
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post	7.09	2.63
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post	8.15	3.32
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post	9.94	3.32
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post	13.85	3.60
06 11 16 00-0117		**Girts** *(06 11 16 00-0105)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF	2" x 4" Wood Girt	2.52	0.99
06 11 16 00-0119	LF	2" x 6" Wood Girt	3.06	1.09
06 11 16 00-0120	LF	2" x 8" Wood Girt	3.64	1.21
06 11 16 00-0121	LF	2" x 10" Wood Girt	4.37	1.33
06 11 16 00-0122	LF	4" x 4" Wood Girt	5.08	2.00
06 11 16 00-0123	LF	4" x 5" Wood Girt	5.82	2.24
06 11 16 00-0124	LF	4" x 6" Wood Girt	6.55	2.49
06 11 16 00-0125	LF	6" x 6" Wood Girt	7.28	2.74
06 11 16 00-0126	LF	8" x 8" Wood Girt	8.02	2.99
06 11 16 00-0127	LF	10" x 10" Wood Girt	8.75	3.25
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt	2.84	0.99
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt	3.59	1.09
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt	4.38	1.21
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt	5.10	1.33
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt	7.09	2.00
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt	8.15	2.49
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt	9.94	2.49
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt	13.85	2.74
06 11 16 00-0136		**Construction Grade/Rough Redwood Posts** *(06 11 16 00-0105)*		
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post	10.44	2.63
		For Smooth "Clear", Add	*1.29*	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post	12.55	3.04
		For Smooth "Clear", Add	*1.61*	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post	14.69	3.32
		For Smooth "Clear", Add	*1.94*	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post	18.15	3.42
		For Smooth "Clear", Add	*2.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post	21.70	3.64
		For Smooth "Clear", Add	*3.24*	
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post	20.05	3.60
		For Smooth "Clear", Add	*2.91*	
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post	25.13	3.74
		For Smooth "Clear", Add	*3.89*	
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post	30.13	3.51
		For Smooth "Clear", Add	*4.86*	
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post	31.89	3.74
		For Smooth "Clear", Add	*5.18*	
06 11 16 00-0146		**Stair Stringers** *(06 11 16)*		
		See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer	9.98	5.53
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer	11.78	6.51
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer	10.74	5.53
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer	12.87	6.51
06 11 16 00-0151		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0152		**Blocking** *(06 11 16 00-0151)*		
06 11 16 00-0153		**Blocking To Wood** *(06 11 16 00-0152)*		
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood	7.86	3.32
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood	9.33	3.66
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood	10.65	4.02
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood	12.35	4.42
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood	14.95	4.86
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood	7.17	3.32
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood	8.18	3.66
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood	9.27	4.02
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood	10.11	4.42
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood	11.33	4.86
06 11 16 00-0164		**Blocking To Steel** *(06 11 16 00-0152)*		
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel	8.98	3.82
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel	10.63	4.21
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel	12.12	4.63
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel	8.22	3.82
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel	9.36	4.21
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel	10.60	4.63
06 11 16 00-0171		**Blocking To Concrete** *(06 11 16 00-0152)*		
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	8.98	3.82
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	10.63	4.21
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	12.12	4.63
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete	8.22	3.82
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete	9.36	4.21
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete	10.60	4.63
06 11 16 00-0178		**Pressure Treated Lattice** *(06 11 16 00-0151)*		
06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice	7.77	2.91
06 11 16 00-0180		**Sleepers** *(06 11 16 00-0151)*		
06 11 16 00-0181		**Sleepers To Wood** *(06 11 16 00-0180)*		
06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.47	0.49
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.47	0.56
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.75	0.62
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.73	0.76
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.68	0.83
06 11 16 00-0187		**Sleepers To Concrete** *(06 11 16 00-0180)*		
06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.52	0.49
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.51	0.56
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.80	0.62
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.85	0.76
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.88	0.83
06 11 16 00-0193		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	4.02	1.10
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.72	1.18
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	5.43	1.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0197		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.87	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	5.13	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	7.45	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	11.14	
06 11 16 00-0202		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0203		**Wood And Steel Bridging** *(06 11 16 00-0202)*		
06 11 16 00-0204		**Wood Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	11.11	4.85
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	11.39	4.85
06 11 16 00-0207		**Steel Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	12.92	4.85
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	12.89	4.85
06 11 16 00-0210		**Light Framing, Trim And Furring** *(06 11 16 00-0202)*		
06 11 16 00-0211		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.43	1.14
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.72	1.25
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.12	1.37
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.47	1.51
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.85	1.66
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.25	1.82
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.49	1.51
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.89	1.66
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.52	1.82
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.24	2.01
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	6.13	2.21
06 11 16 00-0223		**Cedar Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0224	LF	1" x 1" Cedar Light Framing, Trim And Furring	2.46	1.14
06 11 16 00-0225	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.87	1.25
06 11 16 00-0226	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.67	1.37
06 11 16 00-0227	LF	1" x 6" Cedar Light Framing, Trim And Furring	4.42	1.51
06 11 16 00-0228	LF	1" x 8" Cedar Light Framing, Trim And Furring	6.34	1.66
06 11 16 00-0229	LF	1" x 10" Cedar Light Framing, Trim And Furring	7.42	1.82
06 11 16 00-0230	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.85	1.51
06 11 16 00-0231	LF	2" x 4" Cedar Light Framing, Trim And Furring	4.43	1.66
06 11 16 00-0232		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0233	LF	1" x 1" Oak Light Framing, Trim And Furring	2.47	1.14
06 11 16 00-0234	LF	1" x 2" Oak Light Framing, Trim And Furring	2.89	1.25
06 11 16 00-0235	LF	1" x 4" Oak Light Framing, Trim And Furring	3.53	1.37
06 11 16 00-0236	LF	1" x 6" Oak Light Framing, Trim And Furring	4.21	1.51
06 11 16 00-0237	LF	1" x 8" Oak Light Framing, Trim And Furring	4.91	1.66
06 11 16 00-0238	LF	1" x 10" Oak Light Framing, Trim And Furring	5.64	1.82
06 11 16 00-0239	LF	2" x 2" Oak Light Framing, Trim And Furring	3.82	1.51
06 11 16 00-0240	LF	2" x 4" Oak Light Framing, Trim And Furring	4.91	1.66
06 11 16 00-0241		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0242	LF	1" x 1" Redwood Light Framing, Trim And Furring	2.41	1.14
06 11 16 00-0243	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.78	1.25
06 11 16 00-0244	LF	1" x 4" Redwood Light Framing, Trim And Furring	3.34	1.37
06 11 16 00-0245	LF	1" x 6" Redwood Light Framing, Trim And Furring	3.98	1.51
06 11 16 00-0246	LF	1" x 8" Redwood Light Framing, Trim And Furring	4.66	1.66
06 11 16 00-0247	LF	1" x 10" Redwood Light Framing, Trim And Furring	5.41	1.82
06 11 16 00-0248	LF	2" x 2" Redwood Light Framing, Trim And Furring	3.99	1.51
06 11 16 00-0249	LF	2" x 4" Redwood Light Framing, Trim And Furring	4.68	1.66
06 11 16 00-0250		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0251	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.75	1.14
06 11 16 00-0252	LF	1" x 2" Poplar Light Framing, Trim And Furring	3.31	1.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0253	LF	1" x 4" Poplar Light Framing, Trim And Furring	4.09	1.37
06 11 16 00-0254	LF	1" x 6" Poplar Light Framing, Trim And Furring	5.13	1.51
06 11 16 00-0255	LF	1" x 8" Poplar Light Framing, Trim And Furring	5.92	1.66
06 11 16 00-0256	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.67	1.82
06 11 16 00-0257	LF	1" x 12" Poplar Light Framing, Trim And Furring	8.24	1.82
06 11 16 00-0258	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.55	1.51
06 11 16 00-0259	LF	2" x 4" Poplar Light Framing, Trim And Furring	7.33	1.66
06 11 16 00-0260	LF	2" x 6" Poplar Light Framing, Trim And Furring	9.66	1.82
06 11 16 00-0261		Maple Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0262	LF	1" x 4" Maple Light Framing, Trim And Furring	4.98	1.37
06 11 16 00-0263	LF	1" x 6" Maple Light Framing, Trim And Furring	6.51	1.51
06 11 16 00-0264	LF	1" x 8" Maple Light Framing, Trim And Furring	8.07	1.66

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001		Heavy Timber Framing *(06 13 23)*		
		Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.		
06 13 23 00-0002		Heavy Timber Beams *(06 13 23 00-0001)*		
06 13 23 00-0003		Pine, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	7.22	2.45
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	8.57	2.56
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	9.92	2.67
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	12.65	2.84
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	14.89	3.01
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	10.65	2.77
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	12.62	2.91
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	16.68	3.11
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	19.66	3.18
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	15.21	3.01
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	20.17	3.11
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	24.20	3.18
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	23.94	3.18
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	29.08	3.46
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	34.19	3.80
06 13 23 00-0019		Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	7.45	2.45
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	8.91	2.56
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	10.39	2.67
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	13.35	2.84
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	15.76	3.01
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	11.16	2.77
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	13.30	2.91
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	17.72	3.11
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	21.00	3.18
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	16.12	3.01
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	21.56	3.11
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	25.98	3.18
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	25.67	3.18
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	31.27	3.46
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	36.84	3.80
06 13 23 00-0035		Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	8.04	2.45
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	10.08	2.56
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	11.88	2.67
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	15.61	2.84
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	18.63	3.01
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	13.85	2.77
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	16.93	2.91
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	20.26	3.11
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	24.81	3.18
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	25.02	3.01
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	29.03	3.11
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	34.15	3.18
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	34.30	3.18
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	45.30	3.46
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	53.67	3.80
06 13 23 00-0051		Heavy Timber Columns *(06 13 23 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0052		**Pine, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.88	1.30
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	6.19	1.37
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	7.40	1.40
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	9.96	1.49
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	12.04	1.58
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	8.06	1.44
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	9.90	1.51
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	13.73	1.64
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	16.64	1.67
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	12.36	1.58
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	17.22	1.64
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	21.13	1.70
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	20.86	1.71
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	25.80	1.82
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	30.58	2.01
06 13 23 00-0068		**Douglas Fir, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	5.11	1.30
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.53	1.37
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.87	1.40
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	10.66	1.49
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	12.91	1.58
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	8.57	1.44
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	10.58	1.51
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	14.77	1.64
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	17.98	1.67
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	13.27	1.58
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	18.61	1.64
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	22.91	1.70
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	22.59	1.71
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	27.99	1.82
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	33.23	2.01
06 13 23 00-0084		**Pressure Treated, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	5.70	1.30
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	7.70	1.37
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	9.36	1.40
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	12.92	1.49
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	15.78	1.58
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	11.26	1.44
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	14.21	1.51
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	17.31	1.64
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	21.79	1.67
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	22.17	1.58
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	26.08	1.64
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	31.08	1.70
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	31.22	1.71
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	42.02	1.82
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	50.06	2.01

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck Systems *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.73	8.32
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.34	7.91
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.32	8.54
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.92	8.11

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.17	8.54
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.72	8.10
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.76	8.75
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	44.34	8.31

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.73	8.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.34	7.91
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.32	8.54
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.92	8.11
06 15 13 00-0018		Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*		
06 15 13 00-0019		2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	45.49	8.32
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.22	8.26
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	47.77	8.54
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	46.17	8.11
06 15 13 00-0024		2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	48.49	8.54
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.17	8.10
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	50.93	8.75
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	49.33	8.31
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.59	8.32
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.32	7.91
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	48.93	8.54
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	48.23	8.11
06 15 13 00-0034		Wood Ramp Systems *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035		Pressure Treated Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0036		2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.88	8.11
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.07	7.70
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	51.60	8.32
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.79	7.91
06 15 13 00-0041		2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.43	8.32
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.60	7.91
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	53.24	8.54
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.40	8.11
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.06	8.52
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.20	8.10
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	54.91	8.75
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.03	8.31
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	52.46	8.11
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.78	7.70
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	54.84	8.32
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	52.85	7.91
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	54.19	8.32
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	52.48	7.91
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	56.69	8.54
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	54.65	8.11
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	57.40	8.52
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	55.65	8.10
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	60.08	8.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	58.58	8.31
06 15 13 00-0067		**Cedar With Pressure Treated Joists, Wood Ramp System** *(06 15 13 00-0034)*		
06 15 13 00-0068		**2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System** *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.79	8.11
06 15 13 00-0070	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.02	7.70
06 15 13 00-0071	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	52.59	8.32
06 15 13 00-0072	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.83	7.91
06 15 13 00-0073		**2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System** *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	52.41	8.32
06 15 13 00-0075	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.61	7.91
06 15 13 00-0076	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	54.29	8.54
06 15 13 00-0077	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	52.51	8.11
06 15 13 00-0078		**2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System** *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	54.12	8.52
06 15 13 00-0080	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.28	8.10
06 15 13 00-0081	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	56.04	8.75
06 15 13 00-0082	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	54.20	8.31
06 15 13 00-0083		**Wood Stair Systems** *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0084		**Pressure Treated Wood Stair System** *(06 15 13 00-0083)*		
06 15 13 00-0085		**2" x 10" Joists, Pressure Treated Wood Stair System** *(06 15 13 00-0084)*		
06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	134.91	19.97
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	131.48	18.97
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.05	20.48
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	134.94	19.46
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.66	20.96
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	138.04	19.92
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.00	21.51
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.70	20.43
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.58	22.02
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.78	20.91
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.14	22.58
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.61	21.44
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	157.69	23.12
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.80	21.96
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	162.56	23.71
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	157.87	22.53
06 15 13 00-0102		**2" x 12" Joists, Pressure Treated Wood Stair System** *(06 15 13 00-0084)*		
06 15 13 00-0103	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	137.82	20.47
06 15 13 00-0104	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	133.77	19.45
06 15 13 00-0105	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.19	20.99
06 15 13 00-0106	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.06	19.94
06 15 13 00-0107	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.71	21.50
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.46	20.42
06 15 13 00-0109	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.30	22.04
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.96	20.93
06 15 13 00-0111	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	151.79	22.56
06 15 13 00-0112	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.32	21.43
06 15 13 00-0113	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.60	23.14
06 15 13 00-0114	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.05	21.99
06 15 13 00-0115	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	161.08	23.70
06 15 13 00-0116	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.45	22.52
06 15 13 00-0117	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	166.21	24.30
06 15 13 00-0118	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	161.49	23.09
06 15 13 00-0119		**Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0083)*		
06 15 13 00-0120		**2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0119)*		
06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	150.20	19.97
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.63	18.97
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.30	20.48
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.67	19.46
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	157.72	20.96
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.95	19.92
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	163.06	21.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	159.26	20.43
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	165.36	22.02
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	161.41	20.91
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	170.97	22.58
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	166.96	21.44
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	176.15	23.12
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	172.09	21.96
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	182.16	23.71
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	178.06	22.53
06 15 13 00-0137		2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0119)*		
06 15 13 00-0138	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	148.60	20.47
06 15 13 00-0139	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.93	19.45
06 15 13 00-0140	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	153.41	20.99
06 15 13 00-0141	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.81	19.94
06 15 13 00-0142	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.03	21.50
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.19	20.42
06 15 13 00-0144	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	161.09	22.04
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	157.30	20.93
06 15 13 00-0146	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	163.62	22.56
06 15 13 00-0147	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.57	21.43
06 15 13 00-0148	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	168.92	23.14
06 15 13 00-0149	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	164.94	21.99
06 15 13 00-0150	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	174.10	23.70
06 15 13 00-0151	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	169.93	22.52
06 15 13 00-0152	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	179.76	24.30
06 15 13 00-0153	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	175.68	23.09
06 15 13 00-0154		Wood Deck And Ramp Systems Repairs *(06 15 13)*		
		Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155		Deck Joist Or Girt *(06 15 13 00-0154)*		
		See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156		Deck Boards *(06 15 13 00-0154)*		
		See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	2.56	1.06
06 15 13 00-0158	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.83	1.26
06 15 13 00-0159	LF	2" x 4" Round Edge Pressure Treated Deck Boards	2.71	1.26
06 15 13 00-0160	LF	2" x 6" Round Edge Pressure Treated Deck Boards	3.56	1.45
06 15 13 00-0161	LF	2" x 8" Round Edge Pressure Treated Deck Boards	4.54	1.74
06 15 13 00-0162	LF	2" x 10" Round Edge Pressure Treated Deck Boards	5.55	2.13
06 15 13 00-0163	LF	2" x 12" Round Edge Pressure Treated Deck Boards	6.85	2.51
06 15 13 00-0164	LF	2" x 4" Round Edge Cedar Deck Boards	2.97	1.26
06 15 13 00-0165	LF	2" x 6" Round Edge Cedar Deck Boards	3.81	1.45
06 15 13 00-0166	LF	2" x 4" Round Edge Redwood Deck Boards	3.23	1.26
06 15 13 00-0167	LF	2" x 6" Round Edge Redwood Deck Boards	4.20	1.45
06 15 13 00-0168		Deck Posts *(06 15 13 00-0154)*		
		See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169		Deck Railing And Pickets *(06 15 13 00-0154)*		
		See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF	2" x 4" Pressure Treated Deck Railing	2.71	1.26
06 15 13 00-0171	LF	2" x 2" Pressure Treated Deck Railing Picket	1.90	0.97
06 15 13 00-0172	LF	2" x 4" Cedar Deck Railing	2.97	1.26
06 15 13 00-0173	LF	2" x 2" Cedar Deck Railing Picket	2.26	0.97
06 15 13 00-0174	LF	2" x 4" Redwood Deck Railing	3.23	1.26
06 15 13 00-0175	LF	2" x 2" Redwood Deck Railing Picket	2.45	0.97

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001		Board Type Subflooring *(06 16 23)*		
06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor	3.63	1.10
		Note: 4 Sides Laid In A Regular Pattern.		
		For Water Resistant Coating Or Treatment, Add	*0.07*	
		For Foil Backing, Add	*0.11*	
		For Tongue And Groove, Add	*0.08*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor	4.08	1.39
		Note: 4 Sides Laid In A Diagonal Pattern.		
		For Water Resistant Coating Or Treatment, Add	*0.07*	
		For Foil Backing, Add	*0.12*	
		For Tongue And Groove, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	3.46	0.97
		For Water Resistant Coating Or Treatment, Add	*0.07*	
		For Foil Backing, Add	*0.12*	
		For Tongue And Groove, Add	*0.08*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	3.78	1.10
		For Water Resistant Coating Or Treatment, Add	*0.07*	
		For Foil Backing, Add	*0.12*	
		For Tongue And Groove, Add	*0.08*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.25	0.69
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For ACQ Preservative Treatment, Add	*0.30*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.45*	
		For Fire Retardant Treatment, Add	*0.49*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.53	0.83
		For Shear Wall Construction, Add	*0.36*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.36*	
		For ACQ Preservative Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.67*	
		For Fire Retardant Treatment, Add	*0.59*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.82	0.83
		For Shear Wall Construction, Add	*0.38*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.38*	
		For ACQ Preservative Treatment, Add	*0.43*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.88*	
		For Fire Retardant Treatment, Add	*0.71*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.11	0.97
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For ACQ Preservative Treatment, Add	*0.50*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.11*	
		For Fire Retardant Treatment, Add	*0.82*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.67	1.10
		For Shear Wall Construction, Add	*0.45*	
		For Exterior CC Grade Plywood, Add	*0.21*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.45*	
		For ACQ Preservative Treatment, Add	*0.68*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.39*	
		For Fire Retardant Treatment, Add	*1.11*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.28*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 00-0008 Wall Sheathing *(06 16 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	2.68	0.97
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.11*	
		For Fire Retardant Treatment, Add	*0.48*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	2.71	0.97
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.11*	
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	2.77	1.10
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.11*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	3.08	1.10
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.44*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.44*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.30*	
		For Fire Retardant Treatment, Add	*0.70*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.22*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	3.39	1.25
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.47*	
		For Exterior CC Grade Plywood, Add	*0.15*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.47*	
		For Ceiling Installation, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.56*	
		For Fire Retardant Treatment, Add	*0.81*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.24*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing	3.72	1.39
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.51*	
		For Exterior CC Grade Plywood, Add	*0.18*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.51*	
		For Ceiling Installation, Add	*0.26*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.83*	
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.27*	

06 16 33 00-0015 Floor Decking *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.01	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.34*	
		For Fire Retardant Treatment, Add	*0.36*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.22*	
		For Fir Plywood, Add	*0.08*	
		For BC Grade Plywood, Add	*0.07*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.35*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.15	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.46*	
		For Fire Retardant Treatment, Add	*0.40*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For ACQ Preservative Treatment, Add	*0.24*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.40*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.40	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.60*	
		For Fire Retardant Treatment, Add	*0.53*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For ACQ Preservative Treatment, Add	*0.32*	
		For Fir Plywood, Add	*0.12*	
		For BC Grade Plywood, Add	*0.10*	
		For Exterior Glue, Add	*0.06*	
		For Marine Grade, Add	*0.52*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.67	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.84*	
		For Fire Retardant Treatment, Add	*0.62*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
		For ACQ Preservative Treatment, Add	*0.37*	
		For Fir Plywood, Add	*0.14*	
		For BC Grade Plywood, Add	*0.12*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.61*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	3.00	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.00*	
		For Fire Retardant Treatment, Add	*0.79*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For ACQ Preservative Treatment, Add	*0.48*	
		For Fir Plywood, Add	*0.19*	
		For BC Grade Plywood, Add	*0.15*	
		For Exterior Glue, Add	*0.09*	
		For Marine Grade, Add	*0.78*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	4.27	1.25
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.57*	
		For Fire Retardant Treatment, Add	*1.49*	
		For >1,696 To 3,200, Deduct	*-0.11*	
		For >3,200 To 6,400, Deduct	*-0.17*	
		For >6,400 To 12,800, Deduct	*-0.27*	
		For >12,800, Deduct	*-0.35*	
		For ACQ Preservative Treatment, Add	*0.91*	
		For Fir Plywood, Add	*0.35*	
		For BC Grade Plywood, Add	*0.28*	
		For Exterior Glue, Add	*0.18*	
		For Marine Grade, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.80	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.60*	
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.21*	
		For ACQ Preservative Treatment, Add	*0.51*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.84*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.10	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.84*	
		For Fire Retardant Treatment, Add	*0.96*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	
		For ACQ Preservative Treatment, Add	*0.58*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.95*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.31	0.83
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.00*	
		For Fire Retardant Treatment, Add	*1.03*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.26*	
		For ACQ Preservative Treatment, Add	*0.63*	
		For Exterior Glue, Add	*0.12*	
		For Marine Grade, Add	*1.03*	
		For Tongue And Groove, Add	*0.09*	

06 16 33 00-0025 Underlayment Grade *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	2.13	0.83
		For Fire Retardant Treatment, Add	*0.42*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	2.26	0.83
		For Fire Retardant Treatment, Add	*0.46*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.34	0.97
		For Fire Retardant Treatment, Add	*0.50*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.66	0.97
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.18*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	2.82	0.97
		For Fire Retardant Treatment, Add	*0.71*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.51	1.10
		For Fire Retardant Treatment, Add	*1.08*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.27*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	2.38	0.83
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	2.96	0.97
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.22*	
06 16 33 00-0034		**Oriented Strand Board** *(06 16 33)*		
06 16 33 00-0035		**On Roof** *(06 16 33 00-0034)*		
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.07	0.83
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.45*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	2.29	0.83
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.40*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.67*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.66	0.97
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
		For Fire Retardant Treatment, Add	*0.58*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.88*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	3.06	0.97
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For Fire Retardant Treatment, Add	*0.78*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.11*	
06 16 33 00-0040		**On Walls** *(06 16 33 00-0034)*		
06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.51	0.97
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.11*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.71	1.10
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.40*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.30*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	3.11	1.25
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.21*	
		For Fire Retardant Treatment, Add	*0.58*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.56*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	3.54	1.25
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.25*	
		For Fire Retardant Treatment, Add	*0.78*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.83*	
06 16 33 00-0045		**On Floors** *(06 16 33 00-0034)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.10	0.83
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.51	0.97
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.40*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.00*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.91	1.10
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.58*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.26*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	3.36	1.25
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.24*	
		For Fire Retardant Treatment, Add	*0.78*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.56*	

06 16 33 00-0050 Particle Board *(06 16 33)*

06 16 33 00-0051 Particle Board Floor Decking *(06 16 33 00-0050)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	2.18	0.69
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.43*	
		For >1,536 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Tongue And Groove, Add	*0.04*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	2.47	0.69
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.59*	
		For >1,536 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	2.76	0.83
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.75*	
		For >1,536 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	3.04	0.83
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.88*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.08*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.50	1.10
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.44*	
		For Ceiling Installation, Add	*0.22*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.27*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.30*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.78	1.39
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.47*	
		For Ceiling Installation, Add	*0.24*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.29*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.56*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 13 00-0001		**Laminated Veneer Lumber (LVL)** *(06 17 13)*		
06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep (LVL) Laminated Veneer Lumber	8.56	2.39
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep (LVL) Laminated Veneer Lumber	9.31	2.43
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep (LVL) Laminated Veneer Lumber	10.18	2.47
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep (LVL) Laminated Veneer Lumber	11.26	2.51
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep (LVL) Laminated Veneer Lumber	12.09	2.55
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep (LVL) Laminated Veneer Lumber	13.25	2.64
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep (LVL) Laminated Veneer Lumber	14.88	2.69
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep (LVL) Laminated Veneer Lumber	20.11	3.04
06 17 23		**Parallel Strand Lumber** *(06 17)*		
06 17 23 00-0001		**Laminated Strand Lumber (LSL)** *(06 17 23)*		
06 17 23 00-0002	LF	2" x 4" (LSL) Laminated Strand Lumber	2.95	1.10
06 17 23 00-0003	LF	2" x 6" (LSL) Laminated Strand Lumber	3.87	1.18
06 17 33		**Wood I-Joists** *(06 17)*		
06 17 33 00-0001		**Prefabricated Wood I-Joists** *(06 17 33)*		
06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.13	1.45
		For I-Joists 30' To 40' In Length, Add	*0.64*	
		For I-Joists >40' In Length, Add	*1.57*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.53	1.61
		For I-Joists 30' To 40' In Length, Add	*0.71*	
		For I-Joists >40' In Length, Add	*1.74*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.45	1.82
		For I-Joists 30' To 40' In Length, Add	*0.80*	
		For I-Joists >40' In Length, Add	*1.96*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.26	2.02
		For I-Joists 30' To 40' In Length, Add	*0.89*	
		For I-Joists >40' In Length, Add	*2.18*	
06 17 43		**Rim Boards** *(06 17)*		
06 17 43 00-0001		**Oriented Strand Board (OSB) Rim Board** *(06 17 43)*		
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.18	2.47
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	7.76	2.51
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.46	2.55
06 17 53		**Shop-Fabricated Wood Trusses** *(06 17)*		
		Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.		
06 17 53 00-0001		**Pre-Assembled Wood Roof Trusses** *(06 17 53)*		
		Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	210.23	84.63
		For Up To 15, Add	*3.07*	
		For >35, Deduct	*-2.05*	
		For 3 In 12 Slope, Add	*1.23*	
		For 5 In 12 Slope, Add	*3.28*	
		For 6 In 12 Slope, Add	*6.15*	
		For 7 In 12 Slope, Add	*8.19*	
		For 8 In 12 Slope, Add	*9.83*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	233.23	92.69
		For Up To 15, Add	*3.59*	
		For >35, Deduct	*-2.39*	
		For 3 In 12 Slope, Add	*1.44*	
		For 5 In 12 Slope, Add	*3.83*	
		For 6 In 12 Slope, Add	*7.18*	
		For 7 In 12 Slope, Add	*9.57*	
		For 8 In 12 Slope, Add	*11.48*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	259.08	100.76
		For Up To 15, Add	*4.32*	
		For >35, Deduct	*-2.88*	
		For 3 In 12 Slope, Add	*1.73*	
		For 5 In 12 Slope, Add	*4.61*	
		For 6 In 12 Slope, Add	*8.64*	
		For 7 In 12 Slope, Add	*11.51*	
		For 8 In 12 Slope, Add	*13.82*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	292.45	108.82
		For Up To 15, Add	*5.61*	
		For >35, Deduct	*-3.74*	
		For 3 In 12 Slope, Add	*2.24*	
		For 5 In 12 Slope, Add	*5.99*	
		For 6 In 12 Slope, Add	*11.22*	
		For 7 In 12 Slope, Add	*14.96*	
		For 8 In 12 Slope, Add	*17.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	321.49	116.87
		For Up To 15, Add	*6.58*	
		For >35, Deduct	*-4.39*	
		For 3 In 12 Slope, Add	*2.63*	
		For 5 In 12 Slope, Add	*7.02*	
		For 6 In 12 Slope, Add	*13.16*	
		For 7 In 12 Slope, Add	*17.55*	
		For 8 In 12 Slope, Add	*21.06*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	339.85	128.96
		For Up To 15, Add	*6.14*	
		For >35, Deduct	*-4.10*	
		For 3 In 12 Slope, Add	*2.46*	
		For 5 In 12 Slope, Add	*6.55*	
		For 6 In 12 Slope, Add	*12.29*	
		For 7 In 12 Slope, Add	*16.38*	
		For 8 In 12 Slope, Add	*19.66*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	358.36	205.54
		For Up To 15, Add	*6.32*	
		For >35, Deduct	*-4.22*	
		For 3 In 12 Slope, Add	*2.53*	
		For 5 In 12 Slope, Add	*6.74*	
		For 6 In 12 Slope, Add	*12.65*	
		For 7 In 12 Slope, Add	*16.86*	
		For 8 In 12 Slope, Add	*20.23*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	381.64	145.09
		For Up To 15, Add	*6.86*	
		For >35, Deduct	*-4.57*	
		For 3 In 12 Slope, Add	*2.74*	
		For 5 In 12 Slope, Add	*7.32*	
		For 6 In 12 Slope, Add	*13.72*	
		For 7 In 12 Slope, Add	*18.29*	
		For 8 In 12 Slope, Add	*21.95*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	405.67	229.72
		For Up To 15, Add	*7.45*	
		For >35, Deduct	*-4.97*	
		For 3 In 12 Slope, Add	*2.98*	
		For 5 In 12 Slope, Add	*7.95*	
		For 6 In 12 Slope, Add	*14.91*	
		For 7 In 12 Slope, Add	*19.88*	
		For 8 In 12 Slope, Add	*23.85*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	430.76	161.21
		For Up To 15, Add	*8.13*	
		For >35, Deduct	*-5.42*	
		For 3 In 12 Slope, Add	*3.25*	
		For 5 In 12 Slope, Add	*8.67*	
		For 6 In 12 Slope, Add	*16.25*	
		For 7 In 12 Slope, Add	*21.67*	
		For 8 In 12 Slope, Add	*26.00*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	450.31	253.91
		For Up To 15, Add	*8.38*	
		For >35, Deduct	*-5.59*	
		For 3 In 12 Slope, Add	*3.35*	
		For 5 In 12 Slope, Add	*8.94*	
		For 6 In 12 Slope, Add	*16.77*	
		For 7 In 12 Slope, Add	*22.35*	
		For 8 In 12 Slope, Add	*26.82*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	469.54	173.30
		For Up To 15, Add	*9.22*	
		For >35, Deduct	*-6.15*	
		For 3 In 12 Slope, Add	*3.69*	
		For 5 In 12 Slope, Add	*9.84*	
		For 6 In 12 Slope, Add	*18.44*	
		For 7 In 12 Slope, Add	*24.59*	
		For 8 In 12 Slope, Add	*29.51*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	510.14	272.12
		For Up To 15, Add	*11.06*	
		For >35, Deduct	*-7.37*	
		For 3 In 12 Slope, Add	*4.42*	
		For 5 In 12 Slope, Add	*11.79*	
		For 6 In 12 Slope, Add	*22.11*	
		For 7 In 12 Slope, Add	*29.48*	
		For 8 In 12 Slope, Add	*35.38*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	529.80	185.39
		For Up To 15, Add	*11.93*	
		For >35, Deduct	*-7.95*	
		For 3 In 12 Slope, Add	*4.77*	
		For 5 In 12 Slope, Add	*12.72*	
		For 6 In 12 Slope, Add	*23.85*	
		For 7 In 12 Slope, Add	*31.80*	
		For 8 In 12 Slope, Add	*38.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	556.78	290.18
		For Up To 15, Add	*12.74*	
		For >35, Deduct	*-8.49*	
		For 3 In 12 Slope, Add	*5.10*	
		For 5 In 12 Slope, Add	*13.59*	
		For 6 In 12 Slope, Add	*25.48*	
		For 7 In 12 Slope, Add	*33.98*	
		For 8 In 12 Slope, Add	*40.77*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	576.54	201.51
		For Up To 15, Add	*13.01*	
		For >35, Deduct	*-8.68*	
		For 3 In 12 Slope, Add	*5.21*	
		For 5 In 12 Slope, Add	*13.88*	
		For 6 In 12 Slope, Add	*26.03*	
		For 7 In 12 Slope, Add	*34.70*	
		For 8 In 12 Slope, Add	*41.64*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	629.35	314.35
		For Up To 15, Add	*15.77*	
		For >35, Deduct	*-10.51*	
		For 3 In 12 Slope, Add	*6.31*	
		For 5 In 12 Slope, Add	*16.82*	
		For 6 In 12 Slope, Add	*31.53*	
		For 7 In 12 Slope, Add	*42.04*	
		For 8 In 12 Slope, Add	*50.45*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	681.16	217.63
		For Up To 15, Add	*18.44*	
		For >35, Deduct	*-12.30*	
		For 3 In 12 Slope, Add	*7.38*	
		For 5 In 12 Slope, Add	*19.67*	
		For 6 In 12 Slope, Add	*36.89*	
		For 7 In 12 Slope, Add	*49.18*	
		For 8 In 12 Slope, Add	*59.02*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	705.20	225.69
		For Up To 15, Add	*19.04*	
		For >35, Deduct	*-12.69*	
		For 3 In 12 Slope, Add	*7.61*	
		For 5 In 12 Slope, Add	*20.31*	
		For 6 In 12 Slope, Add	*38.07*	
		For 7 In 12 Slope, Add	*50.76*	
		For 8 In 12 Slope, Add	*60.92*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	738.83	233.75
		For Up To 15, Add	*20.35*	
		For >35, Deduct	*-13.57*	
		For 3 In 12 Slope, Add	*8.14*	
		For 5 In 12 Slope, Add	*21.71*	
		For 6 In 12 Slope, Add	*40.70*	
		For 7 In 12 Slope, Add	*54.27*	
		For 8 In 12 Slope, Add	*65.12*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	830.94	241.81
		For Up To 15, Add	*26.05*	
		For >35, Deduct	*-17.37*	
		For 3 In 12 Slope, Add	*10.42*	
		For 5 In 12 Slope, Add	*27.78*	
		For 6 In 12 Slope, Add	*52.10*	
		For 7 In 12 Slope, Add	*69.46*	
		For 8 In 12 Slope, Add	*83.35*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	794.27	217.47
		For Up To 15, Add	*23.30*	
		For >35, Deduct	*-15.53*	
		For 3 In 12 Slope, Add	*9.32*	
		For 5 In 12 Slope, Add	*24.85*	
		For 6 In 12 Slope, Add	*46.60*	
		For 7 In 12 Slope, Add	*62.13*	
		For 8 In 12 Slope, Add	*74.55*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	833.44	253.91
		For Up To 15, Add	*24.42*	
		For >35, Deduct	*-16.28*	
		For 3 In 12 Slope, Add	*9.77*	
		For 5 In 12 Slope, Add	*26.05*	
		For 6 In 12 Slope, Add	*48.85*	
		For 7 In 12 Slope, Add	*65.13*	
		For 8 In 12 Slope, Add	*78.15*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	865.57	235.37
		For Up To 15, Add	*25.62*	
		For >35, Deduct	*-17.08*	
		For 3 In 12 Slope, Add	*10.25*	
		For 5 In 12 Slope, Add	*27.33*	
		For 6 In 12 Slope, Add	*51.25*	
		For 7 In 12 Slope, Add	*68.33*	
		For 8 In 12 Slope, Add	*81.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	892.60	265.99
		For Up To 15, Add	*27.05*	
		For >35, Deduct	*-18.03*	
		For 3 In 12 Slope, Add	*10.82*	
		For 5 In 12 Slope, Add	*28.85*	
		For 6 In 12 Slope, Add	*54.09*	
		For 7 In 12 Slope, Add	*72.12*	
		For 8 In 12 Slope, Add	*86.55*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	910.42	270.02
		For Up To 15, Add	*27.78*	
		For >35, Deduct	*-18.52*	
		For 3 In 12 Slope, Add	*11.11*	
		For 5 In 12 Slope, Add	*29.63*	
		For 6 In 12 Slope, Add	*55.56*	
		For 7 In 12 Slope, Add	*74.08*	
		For 8 In 12 Slope, Add	*88.89*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	215.43	84.63
		For 3 In 12 Slope, Add	*1.39*	
		For 5 In 12 Slope, Add	*3.69*	
		For 6 In 12 Slope, Add	*6.93*	
		For 7 In 12 Slope, Add	*9.23*	
		For 8 In 12 Slope, Add	*11.08*	
		For 16" On Center Gable Studs, Add	*9.23*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	239.32	92.69
		For 3 In 12 Slope, Add	*1.62*	
		For 5 In 12 Slope, Add	*4.31*	
		For 6 In 12 Slope, Add	*8.09*	
		For 7 In 12 Slope, Add	*10.79*	
		For 8 In 12 Slope, Add	*12.94*	
		For 16" On Center Gable Studs, Add	*10.79*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	266.41	100.76
		For 3 In 12 Slope, Add	*1.95*	
		For 5 In 12 Slope, Add	*5.19*	
		For 6 In 12 Slope, Add	*9.74*	
		For 7 In 12 Slope, Add	*12.98*	
		For 8 In 12 Slope, Add	*15.58*	
		For 16" On Center Gable Studs, Add	*12.98*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	301.96	108.82
		For 3 In 12 Slope, Add	*2.53*	
		For 5 In 12 Slope, Add	*6.75*	
		For 6 In 12 Slope, Add	*12.65*	
		For 7 In 12 Slope, Add	*16.87*	
		For 8 In 12 Slope, Add	*20.24*	
		For 16" On Center Gable Studs, Add	*16.87*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	332.64	116.87
		For 3 In 12 Slope, Add	*2.97*	
		For 5 In 12 Slope, Add	*7.91*	
		For 6 In 12 Slope, Add	*14.83*	
		For 7 In 12 Slope, Add	*19.78*	
		For 8 In 12 Slope, Add	*23.73*	
		For 16" On Center Gable Studs, Add	*19.78*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	361.99	128.96
		For 3 In 12 Slope, Add	*3.12*	
		For 5 In 12 Slope, Add	*8.32*	
		For 6 In 12 Slope, Add	*15.61*	
		For 7 In 12 Slope, Add	*20.81*	
		For 8 In 12 Slope, Add	*24.97*	
		For 16" On Center Gable Studs, Add	*20.81*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	381.14	137.03
		For 3 In 12 Slope, Add	*3.21*	
		For 5 In 12 Slope, Add	*8.57*	
		For 6 In 12 Slope, Add	*16.06*	
		For 7 In 12 Slope, Add	*21.42*	
		For 8 In 12 Slope, Add	*25.70*	
		For 16" On Center Gable Studs, Add	*21.42*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	406.34	145.09
		For 3 In 12 Slope, Add	*3.48*	
		For 5 In 12 Slope, Add	*9.29*	
		For 6 In 12 Slope, Add	*17.42*	
		For 7 In 12 Slope, Add	*23.23*	
		For 8 In 12 Slope, Add	*27.88*	
		For 16" On Center Gable Studs, Add	*23.23*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	432.51	153.15
		For 3 In 12 Slope, Add	*3.79*	
		For 5 In 12 Slope, Add	*10.10*	
		For 6 In 12 Slope, Add	*18.93*	
		For 7 In 12 Slope, Add	*25.24*	
		For 8 In 12 Slope, Add	*30.29*	
		For 16" On Center Gable Studs, Add	*25.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	460.03	161.21
		For 3 In 12 Slope, Add	*4.13*	
		For 5 In 12 Slope, Add	*11.01*	
		For 6 In 12 Slope, Add	*20.64*	
		For 7 In 12 Slope, Add	*27.52*	
		For 8 In 12 Slope, Add	*33.03*	
		For 16" On Center Gable Studs, Add	*27.52*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	481.72	169.26
		For 3 In 12 Slope, Add	*4.30*	
		For 5 In 12 Slope, Add	*11.45*	
		For 6 In 12 Slope, Add	*21.48*	
		For 7 In 12 Slope, Add	*28.64*	
		For 8 In 12 Slope, Add	*34.36*	
		For 16" On Center Gable Studs, Add	*28.64*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	504.10	173.30
		For 3 In 12 Slope, Add	*4.73*	
		For 5 In 12 Slope, Add	*12.60*	
		For 6 In 12 Slope, Add	*23.63*	
		For 7 In 12 Slope, Add	*31.50*	
		For 8 In 12 Slope, Add	*37.80*	
		For 16" On Center Gable Studs, Add	*31.50*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	551.55	181.36
		For 3 In 12 Slope, Add	*5.66*	
		For 5 In 12 Slope, Add	*15.11*	
		For 6 In 12 Slope, Add	*28.32*	
		For 7 In 12 Slope, Add	*37.77*	
		For 8 In 12 Slope, Add	*45.32*	
		For 16" On Center Gable Studs, Add	*37.77*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	574.49	185.39
		For 3 In 12 Slope, Add	*6.11*	
		For 5 In 12 Slope, Add	*16.30*	
		For 6 In 12 Slope, Add	*30.56*	
		For 7 In 12 Slope, Add	*40.74*	
		For 8 In 12 Slope, Add	*48.89*	
		For 16" On Center Gable Studs, Add	*40.74*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	604.51	193.45
		For 3 In 12 Slope, Add	*6.53*	
		For 5 In 12 Slope, Add	*17.41*	
		For 6 In 12 Slope, Add	*32.64*	
		For 7 In 12 Slope, Add	*43.52*	
		For 8 In 12 Slope, Add	*52.23*	
		For 16" On Center Gable Studs, Add	*43.52*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	639.30	201.51
		For 3 In 12 Slope, Add	*7.09*	
		For 5 In 12 Slope, Add	*18.90*	
		For 6 In 12 Slope, Add	*35.44*	
		For 7 In 12 Slope, Add	*47.26*	
		For 8 In 12 Slope, Add	*56.71*	
		For 16" On Center Gable Studs, Add	*47.26*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	705.38	209.57
		For 3 In 12 Slope, Add	*8.59*	
		For 5 In 12 Slope, Add	*22.90*	
		For 6 In 12 Slope, Add	*42.94*	
		For 7 In 12 Slope, Add	*57.25*	
		For 8 In 12 Slope, Add	*68.70*	
		For 16" On Center Gable Studs, Add	*57.25*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	770.11	217.63
		For 3 In 12 Slope, Add	*10.05*	
		For 5 In 12 Slope, Add	*26.79*	
		For 6 In 12 Slope, Add	*50.23*	
		For 7 In 12 Slope, Add	*66.97*	
		For 8 In 12 Slope, Add	*80.36*	
		For 16" On Center Gable Studs, Add	*66.97*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	797.02	225.69
		For 3 In 12 Slope, Add	*10.37*	
		For 5 In 12 Slope, Add	*27.65*	
		For 6 In 12 Slope, Add	*51.85*	
		For 7 In 12 Slope, Add	*69.13*	
		For 8 In 12 Slope, Add	*82.95*	
		For 16" On Center Gable Studs, Add	*69.13*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	836.96	233.75
		For 3 In 12 Slope, Add	*11.08*	
		For 5 In 12 Slope, Add	*29.56*	
		For 6 In 12 Slope, Add	*55.42*	
		For 7 In 12 Slope, Add	*73.89*	
		For 8 In 12 Slope, Add	*88.67*	
		For 16" On Center Gable Studs, Add	*73.89*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	907.58	241.81
		For 3 In 12 Slope, Add	*12.72*	
		For 5 In 12 Slope, Add	*33.92*	
		For 6 In 12 Slope, Add	*63.59*	
		For 7 In 12 Slope, Add	*84.79*	
		For 8 In 12 Slope, Add	*101.75*	
		For 16" On Center Gable Studs, Add	*84.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	929.34	249.88
		For 3 In 12 Slope, Add	*12.89*	
		For 5 In 12 Slope, Add	*34.37*	
		For 6 In 12 Slope, Add	*64.44*	
		For 7 In 12 Slope, Add	*85.92*	
		For 8 In 12 Slope, Add	*103.10*	
		For 16" On Center Gable Studs, Add	*85.92*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	958.16	253.91
		For 3 In 12 Slope, Add	*13.51*	
		For 5 In 12 Slope, Add	*36.03*	
		For 6 In 12 Slope, Add	*67.55*	
		For 7 In 12 Slope, Add	*90.07*	
		For 8 In 12 Slope, Add	*108.09*	
		For 16" On Center Gable Studs, Add	*90.07*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	996.41	261.96
		For 3 In 12 Slope, Add	*14.17*	
		For 5 In 12 Slope, Add	*37.80*	
		For 6 In 12 Slope, Add	*70.87*	
		For 7 In 12 Slope, Add	*94.50*	
		For 8 In 12 Slope, Add	*113.40*	
		For 16" On Center Gable Studs, Add	*94.50*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,030.70	265.99
		For 3 In 12 Slope, Add	*14.96*	
		For 5 In 12 Slope, Add	*39.90*	
		For 6 In 12 Slope, Add	*74.81*	
		For 7 In 12 Slope, Add	*99.74*	
		For 8 In 12 Slope, Add	*119.69*	
		For 16" On Center Gable Studs, Add	*99.74*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,052.27	270.02
		For 3 In 12 Slope, Add	*15.37*	
		For 5 In 12 Slope, Add	*40.98*	
		For 6 In 12 Slope, Add	*76.83*	
		For 7 In 12 Slope, Add	*102.45*	
		For 8 In 12 Slope, Add	*122.94*	
		For 16" On Center Gable Studs, Add	*102.45*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	10.67	3.60
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.33	4.50
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	16.00	5.40
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	16.88	5.70
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	18.65	6.30
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	21.32	7.20
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	23.98	8.09
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	24.87	8.40
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	26.66	8.99
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	28.41	9.61
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	29.31	9.91
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	31.97	10.81
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	34.64	11.71
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	37.30	12.61
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	39.98	13.51
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	16.75	5.66
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	20.95	7.08
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	25.13	8.49
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	26.52	8.97
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	29.31	9.91
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	33.50	11.32
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	37.69	12.74
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	39.08	13.20
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	41.88	14.15
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	44.66	15.09
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	46.07	15.57
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	50.25	16.98
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	54.44	18.40
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	58.63	19.81
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	62.83	21.23
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	67.01	22.64
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	30.84	10.42
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	32.55	11.00
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	35.97	12.16
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	41.12	13.89
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	46.27	15.63
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	47.96	16.21
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	51.40	17.37
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	54.82	18.51
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	56.54	19.10
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	61.67	20.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	66.80	22.58
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	71.95	24.31
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	77.08	26.05
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	82.23	27.79
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	39.98	13.51
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	42.19	14.25
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	46.63	15.76
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	53.30	18.01
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	59.97	20.26
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	62.17	21.02
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	66.61	22.51
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	71.06	24.01
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	73.28	24.75
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	79.95	27.01
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	86.61	29.26
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	93.28	31.52
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	99.94	33.77
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	106.59	36.02
06 18 13 00-0061		Glue Laminated Decking *(06 18 13)*		
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.58	2.37
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.78	2.37
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	5.95	2.23
06 18 16		**Glued-Laminated Columns** *(06 18)*		
06 18 16 00-0001		Glue Laminated Structural Units *(06 18 16)* Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	16.03	4.84
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.06	5.37
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	34.28	11.48
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	37.52	12.04
06 20		**Finish Carpentry** *(06)*		
06 22		**Millwork** *(06 20)*		
06 22 13		**Standard Pattern Wood Trim** *(06 22)*		
06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.70	1.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.87	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.84	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.40	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0007		White Pine *(06 22 13 00-0006)*		
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	16.97	4.82
		For Birch, Add	*3.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.23*	
		For Poplar, Add	*2.02*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
		For Stain Grade Material (No Finger Joints), Add	*1.31*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	22.64	5.77
		For Birch, Add	*5.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*7.30*	
		For Poplar, Add	*2.88*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.90*	
		For Stain Grade Material (No Finger Joints), Add	*1.87*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	8.50	3.30
		For Birch, Add	*1.08*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.90*	
		For Poplar, Add	*0.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
		For Stain Grade Material (No Finger Joints), Add	*0.39*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.60	3.30
		For Birch, Add	*1.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.40*	
		For Poplar, Add	*0.82*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
		For Stain Grade Material (No Finger Joints), Add	*0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	12.56	4.12
		For Birch, Add	*2.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.24*	
		For Poplar, Add	*1.14*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
		For Stain Grade Material (No Finger Joints), Add	*0.74*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	14.36	4.12
		For Birch, Add	*2.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.05*	
		For Poplar, Add	*1.50*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
		For Stain Grade Material (No Finger Joints), Add	*0.97*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	17.80	4.95
		For Birch, Add	*3.44*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.13*	
		For Poplar, Add	*1.91*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.90*	
		For Stain Grade Material (No Finger Joints), Add	*1.24*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	8.79	3.85
		For Birch, Add	*1.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.03*	
		For Poplar, Add	*0.66*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.35	2.89
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.87*	
		For Poplar, Add	*0.65*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.81	2.89
		For Birch, Add	*2.41*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.42*	
		For Poplar, Add	*1.34*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
		For Stain Grade Material (No Finger Joints), Add	*0.87*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	4.40	1.65
		For Birch, Add	*0.55*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.98*	
		For Poplar, Add	*0.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
		For Stain Grade Material (No Finger Joints), Add	*0.20*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.78	1.65
		For Birch, Add	*0.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.15*	
		For Poplar, Add	*0.38*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
		For Stain Grade Material (No Finger Joints), Add	*0.25*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	6.33	2.06
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	6.33	2.06
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	8.08	2.06
		For Birch, Add	*1.67*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.43*	
		For Poplar, Add	*0.93*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
		For Stain Grade Material (No Finger Joints), Add	*0.60*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	50.48	2.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	63.75	2.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 22 13 00-0025		**Cedar Trim** *(06 22 13 00-0006)*		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	14.89	6.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.29*	
06 22 13 00-0027		**Oak Trim** *(06 22 13 00-0006)*		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	15.36	6.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.13*	
06 22 13 00-0029		**Closet Poles** *(06 22 13)*		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	12.91	3.58
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	15.50	3.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	20.83	3.99

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	7.42	2.49
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.70*	
		For Glue Laminated Installation, Add	*0.37*	
		For 1/8" Thick Paneling, Deduct	*-0.69*	
		For 1/2" Thick Paneling, Add	*1.63*	
		For 5/8" Thick Paneling, Add	*2.00*	
		For 3/4" Thick Paneling, Add	*2.47*	
		For Fire Retardant Treatment (Class I), Add	*1.39*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	8.25	3.04
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.99*	
		For Glue Laminated Installation, Add	*0.41*	
		For 1/8" Thick Paneling, Deduct	*-0.73*	
		For 1/2" Thick Paneling, Add	*1.67*	
		For 5/8" Thick Paneling, Add	*2.00*	
		For 3/4" Thick Paneling, Add	*2.44*	
		For Fire Retardant Treatment (Class I), Add	*1.27*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	8.63	2.49
		For Waterproof Glue, Add	*0.21*	
		For Ceiling Installation, Add	*1.70*	
		For Glue Laminated Installation, Add	*0.43*	
		For 1/8" Thick Paneling, Deduct	*-0.89*	
		For 1/2" Thick Paneling, Add	*2.28*	
		For 5/8" Thick Paneling, Add	*2.91*	
		For 3/4" Thick Paneling, Add	*3.71*	
		For Fire Retardant Treatment (Class I), Add	*2.35*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	8.62	3.04
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.99*	
		For Glue Laminated Installation, Add	*0.43*	
		For 1/8" Thick Paneling, Deduct	*-0.80*	
		For 1/2" Thick Paneling, Add	*1.87*	
		For 5/8" Thick Paneling, Add	*2.28*	
		For 3/4" Thick Paneling, Add	*2.82*	
		For Fire Retardant Treatment (Class I), Add	*1.56*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	7.04	2.49
		For Waterproof Glue, Add	*0.10*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.15*	
		For Fire Retardant Treatment (Class I), Add	*1.09*	

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*
Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	105.21
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	91.48
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	21.62

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*
Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	385.55	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	409.64	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	428.01	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	449.81	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	509.44	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	531.92	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	574.25	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	604.28	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	623.01	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	709.15	110.02
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	780.09	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	864.69	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	817.77	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	911.56	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	391.07	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	400.45	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	436.28	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	463.59	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	482.79	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	506.19	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	815.93	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	859.75	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	903.29	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	475.61	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	485.91	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	526.34	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	559.17	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	587.55	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	616.47	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	854.53	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	902.94	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	952.91	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0040		**Wall Cabinet, 12" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	347.88	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	370.09	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	407.54	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	433.27	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0045		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	295.72	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	303.07	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	317.76	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	326.03	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	335.21	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	350.83	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	374.71	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	407.54	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	433.27	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0055		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	306.75	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	322.37	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	334.31	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	347.16	48.13
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	364.62	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	384.38	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	402.29	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	416.99	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	425.92	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0065		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	337.10	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	365.64	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	389.24	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	417.42	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	444.73	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	485.60	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	497.08	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	540.48	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	556.30	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0075		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	376.62	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	407.00	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	433.35	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	463.37	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	539.38	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	542.58	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	561.41	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	612.16	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	627.98	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0085		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	417.97	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	454.78	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	482.97	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	512.07	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	555.92	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	592.20	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	622.06	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	679.24	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	699.66	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0095		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	398.73	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	426.92	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	457.59	82.51
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	493.36	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	578.84	110.02
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0101		**Utility Cabinets, 84" High** *(06 41 13 00-0006)*		
06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	767.72	61.12
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	866.00	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	970.72	574.52
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,021.23	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,227.02	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,408.94	146.68
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	861.45	61.12
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	951.46	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,082.83	85.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,150.80	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,417.25	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,614.79	146.68
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0114		**Solid Oak Face Frame And Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0115		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	349.71	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	371.04	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	387.58	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	407.54	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	459.81	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	480.46	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	517.27	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	544.54	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	561.44	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	638.39	110.02
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	699.22	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	773.72	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	732.31	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	815.07	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	355.23	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	363.69	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	394.93	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	419.49	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	436.84	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	457.49	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	730.47	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	768.77	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	807.72	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	428.75	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	439.05	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	474.88	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	504.03	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	528.73	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	554.90	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	764.47	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	807.37	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	851.83	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	

06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	316.63	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	336.09	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	369.86	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	392.84	89.38
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	269.99	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	276.42	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	289.28	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	297.54	48.13
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	305.80	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	319.58	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	340.71	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	369.86	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	392.84	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0163		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	279.18	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	292.96	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	303.98	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	315.92	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	331.54	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	349.46	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	364.61	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	378.39	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	386.40	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0173		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	308.61	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	334.40	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	355.24	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	379.74	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	404.30	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	440.58	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	451.14	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	489.02	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	503.92	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0183		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	343.53	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	370.24	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	393.83	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	420.18	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	487.92	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	490.20	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	507.19	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	552.42	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	566.41	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0193		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	379.37	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	412.51	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	437.94	41.25
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	463.37	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	502.62	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	534.31	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	560.49	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	611.24	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	629.82	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0203		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	362.89	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	388.32	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	415.32	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	447.41	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	522.79	110.02
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0209		**Utility Cabinets, 84" High** *(06 41 13 00-0114)*		
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	701.56	61.12
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	790.65	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	885.26	574.52
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	932.09	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,114.91	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,277.53	146.68
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	784.26	61.12
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	866.00	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	983.59	85.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,046.04	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,282.16	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,458.56	146.68
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0222		**Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0223		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	349.71	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	371.04	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	387.58	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	407.54	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	459.81	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	480.46	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	517.27	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	544.54	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	561.44	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	638.39	110.02
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	699.22	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	773.72	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	732.31	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	815.07	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	355.23	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	363.69	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	394.93	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	419.49	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	436.84	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	457.49	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	730.47	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	768.77	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	807.72	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	428.75	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	439.05	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	474.88	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	504.03	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	528.73	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	554.90	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	764.47	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	807.37	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	851.83	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0256		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	316.63	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	336.09	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	369.86	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	392.84	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0261		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	269.99	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	276.42	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	289.28	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	297.54	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	305.80	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	319.58	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	340.71	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	369.86	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	392.84	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0271		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	279.18	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	292.96	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	303.98	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	315.92	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	331.54	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	349.46	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	364.61	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	378.39	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	386.40	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0281		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	308.61	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	334.40	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	355.24	41.25
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	379.74	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	404.30	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	440.58	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	451.14	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	489.02	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	503.92	82.51
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	343.53	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	370.24	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	393.83	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	420.18	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	487.92	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	490.20	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	507.19	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	552.42	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	566.41	82.51
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	379.37	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	412.51	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	437.94	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	463.37	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	502.62	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	534.31	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	560.49	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	611.24	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	629.82	82.51
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	362.89	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	388.32	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	415.32	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	447.41	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	522.79	110.02
		For All Plywood Box Construction, Add	*60.65*	

06 41 13 00-0317 Utility Cabinets, 84" High *(06 41 13 00-0222)*

06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	701.56	61.12
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	790.65	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	885.26	574.52
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	932.09	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,114.91	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,277.53	146.68
		For All Plywood Box Construction, Add	*224.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	784.26	61.12
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	866.00	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	983.59	85.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,046.04	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,282.16	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,458.56	146.68
		For All Plywood Box Construction, Add	*224.23*	

06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0330)*

06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	349.71	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	371.04	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	387.58	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	407.54	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	459.81	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	480.46	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	517.27	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	544.54	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	561.44	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*108.44*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	638.39	110.02
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	699.22	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	773.72	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*216.87*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	732.31	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	815.07	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	355.23	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	363.69	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	394.93	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	419.49	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	436.84	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	457.49	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	730.47	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	768.77	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	807.72	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*325.31*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	428.75	27.50
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	439.05	34.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	474.88	41.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	504.03	48.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	528.73	55.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	554.90	61.89
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	764.47	68.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	807.37	75.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	851.83	82.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*433.75*	
		For All Plywood Box Construction, Add	*113.03*	
06 41 13 00-0364		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	316.63	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	336.09	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	369.86	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	392.84	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0369		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	269.99	27.50
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	276.42	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	289.28	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	297.54	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	305.80	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	319.58	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	340.71	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	369.86	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	392.84	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0379		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	279.18	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	292.96	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	303.98	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	315.92	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	331.54	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	349.46	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	364.61	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	378.39	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	386.40	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	308.61	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	334.40	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	355.24	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	379.74	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	404.30	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	440.58	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	451.14	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	489.02	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	503.92	82.51
		For All Plywood Box Construction, Add	*60.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	343.53	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	370.24	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	393.83	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	420.18	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	487.92	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	490.20	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	507.19	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	552.42	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	566.41	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	379.37	27.50
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	412.51	34.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	437.94	41.25
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	463.37	48.13
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	502.62	55.01
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	534.31	61.91
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	560.49	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	611.24	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	629.82	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0419		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	362.89	68.75
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	388.32	75.63
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	415.32	82.51
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	447.41	89.38
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	522.79	110.02
		For All Plywood Box Construction, Add	*60.65*	
06 41 13 00-0425		**Utility Cabinets, 84" High** *(06 41 13 00-0330)*		
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	701.56	61.12
		For All Plywood Box Construction, Add	*224.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	790.65	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	885.26	574.52
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	932.09	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,114.91	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,277.53	146.68
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	784.26	61.12
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	866.00	73.34
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	983.59	85.57
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,046.04	97.79
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,282.16	122.23
		For All Plywood Box Construction, Add	*224.23*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,458.56	146.68
		For All Plywood Box Construction, Add	*224.23*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	32.56	11.69
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	33.50	11.69
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	35.14	11.69
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	36.97	11.69
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	37.91	11.69
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	48.03	11.69
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	89.89	11.69
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	25.28	8.94
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	25.11	8.94
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	34.15	10.32
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	38.55	10.32
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	41.56	10.32
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	45.67	10.32
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	64.77	10.32
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	48.88	13.75
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	71.56	13.75
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	192.91	20.63
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	64.88	11.69
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	44.00	11.69

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	12.52	2.89
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	13.18	2.89

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*

06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	18.68	2.74
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	17.21	2.74

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*

06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	14.48	2.89

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*

06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	9.35	2.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001 Veneer Hardboard Panels *(06 42 16)*

06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	8.44	2.49
		For Waterproof Glue, Add	*0.19*	
		For Ceiling Installation, Add	*1.70*	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0004 Birch *(06 42 16 00-0003)*

06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	6.28	2.21
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.49*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.14*	
		For 1/8" Thick Paneling, Deduct	*-0.57*	
		For 1/2" Thick Paneling, Add	*1.30*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*1.92*	
		For Fire Retardant Treatment (Class I), Add	*1.03*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.37	2.21
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.49*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.32*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.58*	
		For 1/2" Thick Paneling, Add	*1.35*	
		For 5/8" Thick Paneling, Add	*1.64*	
		For 3/4" Thick Paneling, Add	*2.02*	
		For Fire Retardant Treatment (Class I), Add	*1.10*	

06 42 16 00-0007 Knotty Pine *(06 42 16 00-0003)*

06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	7.24	2.49
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.66*	
		For Installation On Metal Studs Or Furring, Add	*0.61*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.67*	
		For 1/2" Thick Paneling, Add	*1.59*	
		For 5/8" Thick Paneling, Add	*1.95*	
		For 3/4" Thick Paneling, Add	*2.41*	
		For Fire Retardant Treatment (Class I), Add	*1.35*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	7.17	2.49
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.66*	
		For Installation On Metal Studs Or Furring, Add	*0.61*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.55*	
		For 5/8" Thick Paneling, Add	*1.89*	
		For 3/4" Thick Paneling, Add	*2.34*	
		For Fire Retardant Treatment (Class I), Add	*1.30*	

06 42 16 00-0010 Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*

06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	7.31	2.77
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.87*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.12*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.34*	
		For 5/8" Thick Paneling, Add	*1.56*	
		For 3/4" Thick Paneling, Add	*1.86*	
		For Fire Retardant Treatment (Class I), Add	*0.86*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	7.21	2.77
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.87*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.11*	
		For 1/8" Thick Paneling, Deduct	*-0.60*	
		For 1/2" Thick Paneling, Add	*1.28*	
		For 5/8" Thick Paneling, Add	*1.49*	
		For 3/4" Thick Paneling, Add	*1.76*	
		For Fire Retardant Treatment (Class I), Add	*0.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0013		Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*		
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	6.98	2.49
		For Flitch Matched Veneer, Add	*0.73*	
		For Second Grade Veneer, Deduct	*-0.15*	
		For Third Grade Veneer, Deduct	*-0.22*	
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.66*	
		For Installation On Metal Studs Or Furring, Add	*0.61*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.63*	
		For 1/2" Thick Paneling, Add	*1.45*	
		For 5/8" Thick Paneling, Add	*1.75*	
		For 3/4" Thick Paneling, Add	*2.14*	
		For Fire Retardant Treatment (Class I), Add	*1.15*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	7.63	2.49
		For Flitch Matched Veneer, Add	*1.05*	
		For Second Grade Veneer, Deduct	*-0.21*	
		For Third Grade Veneer, Deduct	*-0.32*	
		For Waterproof Glue, Add	*0.15*	
		For Ceiling Installation, Add	*1.66*	
		For Installation On Metal Studs Or Furring, Add	*0.61*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.74*	
		For 1/2" Thick Paneling, Add	*1.80*	
		For 5/8" Thick Paneling, Add	*2.24*	
		For 3/4" Thick Paneling, Add	*2.81*	
		For Fire Retardant Treatment (Class I), Add	*1.66*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	11.13	2.49
		For Flitch Matched Veneer, Add	*2.25*	
		For Second Grade Veneer, Deduct	*-0.45*	
		For Third Grade Veneer, Deduct	*-0.68*	
		For Waterproof Glue, Add	*0.32*	
		For Ceiling Installation, Add	*1.99*	
		For Installation On Metal Studs Or Furring, Add	*0.73*	
		For Glue Laminated Installation, Add	*0.56*	
		For Lumber Core, Add	*0.50*	
		For 1/8" Thick Paneling, Deduct	*-1.22*	
		For 1/2" Thick Paneling, Add	*3.23*	
		For 5/8" Thick Paneling, Add	*4.17*	
		For 3/4" Thick Paneling, Add	*5.39*	
		For Fire Retardant Treatment (Class I), Add	*3.56*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.93	2.49
		For Flitch Matched Veneer, Add	*0.48*	
		For Second Grade Veneer, Deduct	*-0.10*	
		For Third Grade Veneer, Deduct	*-0.14*	
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.49*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.30*	
		For Lumber Core, Add	*0.11*	
		For 1/8" Thick Paneling, Deduct	*-0.51*	
		For 1/2" Thick Paneling, Add	*1.11*	
		For 5/8" Thick Paneling, Add	*1.32*	
		For 3/4" Thick Paneling, Add	*1.58*	
		For Fire Retardant Treatment (Class I), Add	*0.76*	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	9.84	2.49
		For Flitch Matched Veneer, Add	*1.81*	
		For Second Grade Veneer, Deduct	*-0.36*	
		For Third Grade Veneer, Deduct	*-0.54*	
		For Waterproof Glue, Add	*0.25*	
		For Ceiling Installation, Add	*1.87*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.49*	
		For Lumber Core, Add	*0.40*	
		For 1/8" Thick Paneling, Deduct	*-1.04*	
		For 1/2" Thick Paneling, Add	*2.70*	
		For 5/8" Thick Paneling, Add	*3.46*	
		For 3/4" Thick Paneling, Add	*4.44*	
		For Fire Retardant Treatment (Class I), Add	*2.86*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	7.13	2.49
		For Flitch Matched Veneer, Add	*0.80*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.24*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.66*	
		For Installation On Metal Studs Or Furring, Add	*0.61*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.65*	
		For 1/2" Thick Paneling, Add	*1.53*	
		For 5/8" Thick Paneling, Add	*1.86*	
		For 3/4" Thick Paneling, Add	*2.30*	
		For Fire Retardant Treatment (Class I), Add	*1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	8.34	2.49
		For Flitch Matched Veneer, Add	*1.06*	
		For Second Grade Veneer, Deduct	*-0.21*	
		For Third Grade Veneer, Deduct	*-0.32*	
		For Waterproof Glue, Add	*0.15*	
		For Ceiling Installation, Add	*1.87*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.42*	
		For Lumber Core, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.79*	
		For 1/2" Thick Paneling, Add	*1.89*	
		For 5/8" Thick Paneling, Add	*2.34*	
		For 3/4" Thick Paneling, Add	*2.91*	
		For Fire Retardant Treatment (Class I), Add	*1.67*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	12.91	2.49
		For Flitch Matched Veneer, Add	*2.57*	
		For Second Grade Veneer, Deduct	*-0.51*	
		For Third Grade Veneer, Deduct	*-0.77*	
		For Waterproof Glue, Add	*0.36*	
		For Ceiling Installation, Add	*2.33*	
		For Installation On Metal Studs Or Furring, Add	*0.86*	
		For Glue Laminated Installation, Add	*0.65*	
		For Lumber Core, Add	*0.56*	
		For 1/8" Thick Paneling, Deduct	*-1.40*	
		For 1/2" Thick Paneling, Add	*3.70*	
		For 5/8" Thick Paneling, Add	*4.78*	
		For 3/4" Thick Paneling, Add	*6.17*	
		For Fire Retardant Treatment (Class I), Add	*4.05*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.83	2.49
		For Flitch Matched Veneer, Add	*1.81*	
		For Second Grade Veneer, Deduct	*-0.36*	
		For Third Grade Veneer, Deduct	*-0.54*	
		For Waterproof Glue, Add	*0.25*	
		For Ceiling Installation, Add	*1.87*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.49*	
		For Lumber Core, Add	*0.40*	
		For 1/8" Thick Paneling, Deduct	*-1.04*	
		For 1/2" Thick Paneling, Add	*2.70*	
		For 5/8" Thick Paneling, Add	*3.45*	
		For 3/4" Thick Paneling, Add	*4.43*	
		For Fire Retardant Treatment (Class I), Add	*2.85*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	8.61	2.49
		For Flitch Matched Veneer, Add	*1.54*	
		For Second Grade Veneer, Deduct	*-0.31*	
		For Third Grade Veneer, Deduct	*-0.46*	
		For Waterproof Glue, Add	*0.22*	
		For Ceiling Installation, Add	*1.66*	
		For Installation On Metal Studs Or Furring, Add	*0.61*	
		For Glue Laminated Installation, Add	*0.43*	
		For Lumber Core, Add	*0.34*	
		For 1/8" Thick Paneling, Deduct	*-0.90*	
		For 1/2" Thick Paneling, Add	*2.33*	
		For 5/8" Thick Paneling, Add	*2.97*	
		For 3/4" Thick Paneling, Add	*3.81*	
		For Fire Retardant Treatment (Class I), Add	*2.43*	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	7.17	2.49
		For Flitch Matched Veneer, Add	*0.82*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.25*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.66*	
		For Installation On Metal Studs Or Furring, Add	*0.61*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.55*	
		For 5/8" Thick Paneling, Add	*1.89*	
		For 3/4" Thick Paneling, Add	*2.34*	
		For Fire Retardant Treatment (Class I), Add	*1.30*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	43.73	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)* Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	12.39	4.82

06 43 Wood Stairs and Railings *(06 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13		**Wood Stairs** *(06 43)*		
06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	65.87	27.91
06 43 13 00-0003	EA	30" Baluster, Birch	77.01	27.91
06 43 13 00-0004	EA	42" Baluster, Pine	73.92	28.87
06 43 13 00-0005	EA	42" Baluster, Birch	85.80	28.87
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	379.54	109.70
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	554.18	153.96
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	233.57	96.23
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.59*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	272.27	105.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*34.73*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	46.51	14.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.74*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	59.21	8.11
		For Beech, Add	*12.92*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.71*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	71.47	8.11
		For Beech, Add	*16.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.71*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	33.51	8.11
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.71*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	45.06	8.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.87*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	42.46	8.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.87*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	25.74	8.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.87*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	24.93	8.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.87*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	53.50	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)*		
		Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	330.58	83.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.50*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*79.87*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*26.95*	
		For Oak Or Maple Treads, Add	*94.95*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	349.92	85.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.13*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*80.69*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.29*	
		For Oak Or Maple Treads, Add	*102.43*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	367.95	86.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.45*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.11*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.46*	
		For Oak Or Maple Treads, Add	*109.91*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	388.78	87.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.76*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.52*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.63*	
		For Oak Or Maple Treads, Add	*118.67*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	401.18	88.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.08*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.94*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.81*	
		For Oak Or Maple Treads, Add	*123.63*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	414.95	90.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.72*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.76*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.15*	
		For Oak Or Maple Treads, Add	*128.59*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	427.34	91.42
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.03*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.17*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.32*	
		For Oak Or Maple Treads, Add	*133.54*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	439.75	92.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.35*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.59*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.50*	
		For Oak Or Maple Treads, Add	*138.50*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	452.10	93.34
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.66*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.99*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.66*	
		For Oak Or Maple Treads, Add	*143.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	467.15	96.23
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.62*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*85.24*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.18*	
		For Oak Or Maple Treads, Add	*148.36*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	21.56	6.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.16*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	23.14	6.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.16*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	28.40	6.88
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	29.71	6.88
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	34.44	6.88
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	49.05	6.88

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	78.42	7.22
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	97.97	10.55
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	120.31	12.22
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	144.27	12.77
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	323.95	14.44
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	376.52	15.54
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	453.52	16.65
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	541.74	17.77
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	90.44	7.22
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	107.60	10.55
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	133.62	12.22
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	158.49	12.77
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	352.85	14.44
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	480.20	15.54
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	517.74	16.65
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	583.02	17.77

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	94.57	7.22
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	116.32	10.55
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	144.17	12.22
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	174.09	12.77
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	398.77	14.44
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	464.14	15.54
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	560.08	16.65
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	670.09	17.77
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	109.62	7.22
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	129.48	10.55
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	161.42	12.22
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	192.34	12.77
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	434.97	14.44
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	594.10	15.54
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	640.59	16.65
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	721.88	17.77

06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	84.13	7.22
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	104.84	10.55
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	128.95	12.22
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	154.97	12.77
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	97.23	7.22
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	115.34	10.55
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	143.45	12.22
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	170.46	12.77

06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed redwood.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	132.18	7.22
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	158.52	10.55
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	197.84	12.22
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	242.44	12.77
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	152.37	7.22
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	180.08	10.55
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	223.07	12.22
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	275.47	12.77

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin *(06 44 39 00-0001)*

Note: For tapered wood columns.

06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	415.32	14.99
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	629.67	16.65
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	878.34	19.43
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	1,122.43	22.21
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	369.45	14.99
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	514.99	16.65
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	639.81	19.43
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	838.02	22.21
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	388.91	15.54
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	514.99	16.65
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	639.81	19.43
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	815.08	22.21
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	393.50	15.54
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	560.86	16.65
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	662.74	19.43
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	911.42	22.21
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	393.50	15.54
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	611.32	16.65
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	809.53	19.43
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	1,003.16	22.21

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*

Note: For tapered wood columns.

06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	841.94	14.99
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	946.19	16.65
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,204.04	19.43
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,324.27	22.21
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	557.53	14.99
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	648.02	16.65
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	800.36	19.43
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	1,007.75	22.21
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	535.70	15.54
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	703.06	16.65
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	850.82	19.43
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	1,007.75	22.21
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	636.62	15.54
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	845.27	16.65
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	951.74	19.43
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,209.59	22.21
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	535.70	15.54
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	693.89	16.65
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	905.87	19.43
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	1,159.13	22.21
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	604.51	15.54
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	739.76	16.65
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	901.28	19.43
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	1,007.75	22.21

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	6.30	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	6.35	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	7.84	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	6.58	2.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	7.01	2.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.23	1.65
		For Clear Birch, Add	*0.87*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.78*	
		For Stain Grade Material (No Finger Joints), Add	*0.49*	
		For Clear Poplar, Add	*0.55*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	10.03	2.06
		For Clear Birch, Add	*1.01*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.11*	
		For Stain Grade Material (No Finger Joints), Add	*0.57*	
		For Clear Poplar, Add	*0.63*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	12.43	2.33
		For Clear Birch, Add	*1.56*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.95*	
		For Stain Grade Material (No Finger Joints), Add	*0.88*	
		For Clear Poplar, Add	*0.97*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	8.11	2.61
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	7.86	2.61
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	7.32	2.61

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	9.98	2.47
		For Birch, Add	*1.43*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.57*	
		For Poplar, Add	*0.90*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	12.25	2.47
		For Birch, Add	*2.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.59*	
		For Poplar, Add	*1.35*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	7.40	2.47
		For Birch, Add	*1.05*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.89*	
		For Poplar, Add	*0.66*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	7.54	2.47
		For Birch, Add	*0.73*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.47*	
		For Poplar, Add	*0.92*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	9.41	2.61
		For Birch, Add	*1.32*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.23*	
		For Poplar, Add	*1.66*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	13.01	2.74
		For Birch, Add	*2.53*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.76*	
		For Poplar, Add	*3.16*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	14.98	2.74
		For Birch, Add	*3.14*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.55*	
		For Poplar, Add	*3.93*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	17.25	2.89
		For Birch, Add	*3.86*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*5.47*	
		For Poplar, Add	*4.82*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	22.13	3.17
		For Birch, Add	*5.49*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*7.55*	
		For Poplar, Add	*6.86*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	6.31	2.74
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	7.19	3.06
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	7.74	3.21
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	9.04	3.59
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	6.25	2.74
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	7.10	3.06
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	7.86	3.21
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	9.41	3.59
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia	8.13	2.74
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia	9.58	3.06
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia	10.82	3.21
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia	13.83	3.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0015		**Cedar Fascia Board** *(06 46 29 00-0001)*		
06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board	6.69	2.74
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board	7.79	3.06
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board	8.90	3.21
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board	10.67	3.59
06 46 29 00-0020		**Engineered Wood Fascia Board** *(06 46 29 00-0001)*		
06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board	6.09	2.74
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board	6.89	3.06
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board	8.34	3.59
06 46 29 00-0024		**Soffit** *(06 46 29)*		
06 46 29 00-0025		**Sanded Plywood Soffit** *(06 46 29 00-0024)*		
06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit	5.23	2.08
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit	5.68	2.19
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit	5.96	2.28
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit	6.53	2.41
06 46 29 00-0030		**MDO Plywood Soffit** *(06 46 29 00-0024)*		
06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit	5.72	2.08
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit	6.30	2.19
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit	7.74	2.41
06 46 29 00-0034		**Exterior Ceiling Gypsum Board Soffit** *(06 46 29 00-0024)*		
06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	4.30	1.81
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.62	1.91

06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001		**Ash** *(06 46 36)*		
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	9.43	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	11.88	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	14.33	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	16.78	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	19.38	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	21.98	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	24.41	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	26.88	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	29.27	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	31.90	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	34.40	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	11.15	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	14.36	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	17.58	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	20.79	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	24.21	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	27.58	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	30.77	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	34.01	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	37.21	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	40.61	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	43.88	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	13.31	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	17.56	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	21.81	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	26.06	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	30.46	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	34.87	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	39.10	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	43.38	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	47.56	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	51.99	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	56.31	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	16.39	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	22.12	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	27.84	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	33.56	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	39.31	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	45.32	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	51.14	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	56.80	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	62.45	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	68.90	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	74.13	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	

06 46 36 00-0046 Basswood *(06 46 36)*

06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	7.90	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	9.59	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	11.28	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	12.96	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	14.79	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	16.62	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	18.29	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	20.00	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	21.62	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	23.49	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	25.23	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	8.97	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	11.08	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	13.21	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	15.32	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	17.66	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	19.93	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	22.04	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	24.18	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	26.28	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	28.60	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	30.78	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	12.11	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	15.76	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	19.41	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	23.06	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	26.86	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	30.67	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	34.29	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	37.98	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	41.55	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	45.39	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	49.10	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	46.11	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	56.42	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	66.62	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	77.08	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	87.27	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	97.69	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	107.76	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.67*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	117.95	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	128.42	2.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.80*	

06 46 36 00-0089 Birch *(06 46 36)*

06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	8.44	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	10.41	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	12.37	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	14.32	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	16.43	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	18.54	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	20.48	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	22.46	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	24.35	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	26.49	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	28.51	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	9.79	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	12.28	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	14.85	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	17.40	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	20.11	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	22.77	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	25.31	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	27.90	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	30.38	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	33.08	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	35.69	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	11.35	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	14.61	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	17.88	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	21.14	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	24.57	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	27.99	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	31.23	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	34.54	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	37.73	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	41.18	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	44.51	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	13.77	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	18.19	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	22.60	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	27.01	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	31.45	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	36.15	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	40.55	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	45.01	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	49.35	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	54.48	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	58.41	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	

06 46 36 00-0134 Clear Western Cedar *(06 46 36)*

06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	8.44	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	10.41	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	12.37	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	14.32	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	16.43	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	18.54	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	9.90	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	12.50	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	15.12	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	17.73	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	20.49	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	23.26	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	12.77	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	16.74	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	20.72	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	24.69	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	28.83	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	32.96	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	13.11	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	17.21	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	21.29	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	25.37	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	29.48	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	33.85	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	40.87	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	49.87	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	58.76	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	67.90	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	76.78	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	85.79	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	94.66	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.67*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	103.53	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	112.69	2.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.80*	

06 46 36 00-0168 Cherry *(06 46 36)*

06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	10.19	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	13.03	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	15.86	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	18.69	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	21.68	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	24.65	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	27.47	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	30.32	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	33.09	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	36.11	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	38.99	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	12.08	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	15.78	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	19.49	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	23.19	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	27.05	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	30.91	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	34.60	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	38.38	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	41.96	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	45.86	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	49.62	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	14.13	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	18.81	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	23.45	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	28.13	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	32.92	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	37.76	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	42.37	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	47.10	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	51.65	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	56.53	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	61.22	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	17.92	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	24.41	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	30.90	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	37.38	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	43.90	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	50.67	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	57.15	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	63.68	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	70.10	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	76.87	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	83.31	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0213		**Cypress** *(06 46 36)*		
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	7.90	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	9.59	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	11.28	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	12.96	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	14.79	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	16.62	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	18.73	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	20.49	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	23.81	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	25.89	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	10.33	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	13.10	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	15.94	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	18.76	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	21.75	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	24.68	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	27.50	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	30.35	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	33.11	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	36.19	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	38.97	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	12.02	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	15.57	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	19.10	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	22.64	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	26.21	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	30.03	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	33.56	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	37.14	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	43.89	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	47.82	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0245		**Fir** *(06 46 36)*		
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	8.77	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	10.90	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	13.02	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	15.14	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	17.42	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	19.68	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	21.79	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	23.93	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	25.99	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	28.30	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	10.33	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	13.10	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	15.94	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	18.76	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	21.75	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	24.68	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	27.50	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	30.35	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	33.11	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	36.19	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	38.97	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	11.51	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	14.88	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	18.21	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	21.58	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	25.06	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	28.59	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	31.89	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	35.30	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	38.55	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	42.11	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	45.50	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	13.11	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	17.21	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	21.29	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	25.37	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	29.48	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	33.85	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	37.93	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	42.06	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	46.07	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	50.33	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	54.47	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	21.23	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	29.23	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	37.24	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	45.36	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	53.37	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	61.64	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	69.65	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	77.89	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	85.78	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	93.79	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	46.22	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	56.42	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	66.62	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	77.08	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	87.27	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	97.59	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	107.76	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.67*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	117.95	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	10.85	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	14.01	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	17.17	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	20.33	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	23.64	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	26.95	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	30.09	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	33.27	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	36.37	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	39.71	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	42.92	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	13.06	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	17.20	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	21.40	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	25.59	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	29.94	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	34.24	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	38.42	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	42.64	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	46.76	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	51.10	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	55.90	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	14.79	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	19.80	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	24.76	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	29.77	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	34.89	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	40.06	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.43*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	44.99	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	50.04	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	53.84	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	60.13	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	65.16	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	18.14	1.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	24.74	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	31.34	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	37.93	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	44.55	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	51.44	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	58.02	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	64.67	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	71.19	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	77.96	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	84.73	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	21.47	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	29.69	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	37.86	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	46.21	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	54.38	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	62.87	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	71.03	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	79.39	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	87.56	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	95.78	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	104.23	2.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	26.25	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	35.13	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	45.10	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	55.19	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	65.17	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	75.40	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	85.38	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	95.48	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	105.44	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	115.42	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	125.66	2.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.77*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	60.97	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.36*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	74.99	1.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	88.90	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	103.07	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	116.98	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	131.01	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	144.90	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.67*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	158.80	2.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	172.98	2.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.80*	

06 46 36 00-0383 Maple *(06 46 36)*

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	8.34	1.51
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	10.24	1.51
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	12.15	1.51
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	14.05	1.65
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	16.11	1.65
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	18.15	1.79
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	20.04	1.79
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	21.97	1.79
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	23.81	1.92
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	25.89	2.06
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	27.85	2.06
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	9.79	1.51
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	12.28	1.51
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	14.85	1.65
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	17.40	1.65
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	20.11	1.79
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	22.77	1.79
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	25.31	1.79
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	27.90	1.92
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	30.38	1.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	31.99	2.06
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	35.69	2.06
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	11.02	1.51
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	14.12	1.51
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	17.23	1.65
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	20.32	1.65
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	23.58	1.79
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	26.84	1.79
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	29.92	1.92
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	33.06	1.92
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	36.09	1.92
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	39.38	2.06
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	42.55	2.20
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	13.55	1.51
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	17.86	1.65
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	22.16	1.65
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	26.46	1.79
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	30.79	1.79
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	35.38	1.92
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	39.67	1.92
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	44.57	2.06
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	48.25	2.06
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	52.84	2.20
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	57.09	2.20
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	17.65	1.65
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	23.96	1.65
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	30.21	1.65
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	36.66	1.79
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	42.91	1.79
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	49.49	1.92
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	55.74	1.92
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	62.19	2.06
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	68.45	2.06
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	74.76	2.20
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	81.84	2.33
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	65.34	1.79
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	80.45	1.79
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	95.45	1.92
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	110.72	2.06
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	125.71	2.06
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	140.84	2.20
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	155.82	2.20
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	170.81	2.20
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	186.09	2.33

06 46 36 00-0448 Appl Soft Maple *(06 46 36)*

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	8.44	1.51
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	10.41	1.51
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	12.37	1.51
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	14.32	1.65
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	16.43	1.65
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	18.54	1.79
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	20.48	1.79
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	22.46	1.79
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	24.35	1.92
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	26.49	2.06
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	28.51	2.06
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	9.51	1.51
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	11.90	1.51
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	14.30	1.65
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	16.64	1.65
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	19.29	1.79
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	21.84	1.79
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	24.22	1.79
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	26.64	1.92
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	29.01	1.92
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	31.60	2.06
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	34.05	2.06
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	10.53	1.51
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	13.41	1.51
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	16.24	1.65
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	19.12	1.65
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	22.11	1.79
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	25.15	1.79
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	27.96	1.92
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	30.88	1.92
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	33.63	1.92
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	36.70	2.06
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	39.60	2.20
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	12.46	1.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	16.22	1.65
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	19.98	1.65
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	23.73	1.79
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	27.52	1.79
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	31.56	1.92
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	35.30	1.92
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	39.11	2.06
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	42.79	2.06
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	46.73	2.20
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	50.54	2.20
06 46 36 00-0493		**Red Oak** *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	8.99	1.51
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	11.23	1.51
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	13.46	1.51
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	15.69	1.65
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	18.07	1.65
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	20.45	1.79
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	22.66	1.79
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	24.92	1.79
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	27.08	1.92
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	29.50	2.06
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	31.78	2.06
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	10.71	1.51
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	13.76	1.51
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	16.76	1.65
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	20.89	1.65
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	22.95	1.79
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	26.16	1.79
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	29.14	1.79
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	32.16	1.92
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	35.13	1.92
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	38.37	2.06
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	41.42	2.06
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	13.15	1.51
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	17.34	1.51
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	21.49	1.65
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	25.68	1.65
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	29.97	1.79
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	34.32	1.79
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	38.44	1.92
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	42.67	1.92
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	46.74	1.92
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	51.12	2.06
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	55.33	2.20
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	18.14	1.51
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	24.74	1.65
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	31.34	1.65
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	37.93	1.65
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	44.55	1.79
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	51.55	1.92
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	58.02	1.92
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	65.76	2.06
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	71.19	2.06
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	77.96	2.06
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	84.62	2.20
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	27.48	1.65
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	38.70	1.65
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	49.87	1.65
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	61.23	1.79
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	72.40	1.79
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	83.90	1.92
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	95.06	1.92
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	106.43	2.06
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	117.60	2.06
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	128.82	2.20
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	140.27	2.33
06 46 36 00-0549		**White Oak** *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	9.10	1.51
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	11.39	1.51
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	13.68	1.51
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	15.96	1.65
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	18.40	1.65
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	20.83	1.79
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	23.10	1.79
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	25.41	1.79
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	27.63	1.92
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	30.10	2.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	32.44	2.06
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	10.71	1.51
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	13.76	1.51
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	16.76	1.65
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	20.89	1.65
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	22.95	1.79
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	26.16	1.79
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	29.14	1.79
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	32.16	1.92
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	35.13	1.92
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	38.37	2.06
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	41.42	2.06
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	13.31	1.51
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	17.56	1.51
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	21.81	1.65
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	26.06	1.65
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	30.46	1.79
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	34.87	1.79
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	39.10	1.92
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	43.38	1.92
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	47.56	1.92
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	51.99	2.06
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	56.31	2.20
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	21.41	1.51
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	29.66	1.65
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	37.89	1.65
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	46.12	1.79
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	54.38	1.79
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	62.91	1.92
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	71.13	1.92
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	79.41	2.06
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	86.48	2.06
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	95.99	2.20
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	104.28	2.20
06 46 36 00-0594		White Pine *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	10.08	1.51
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	12.86	1.51
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	15.65	1.51
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	18.42	1.65
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	21.35	1.65
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	24.27	1.79
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	27.03	1.79
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	29.83	1.79
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	34.18	1.92
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	37.31	2.06
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	11.26	1.51
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	14.58	1.51
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	17.85	1.65
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	21.17	1.65
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	24.59	1.79
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	28.07	1.79
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	31.32	1.79
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	34.67	1.92
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	37.86	1.92
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	41.38	2.06
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	44.70	2.06
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	12.66	1.51
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	16.57	1.51
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	20.61	1.65
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	24.42	1.65
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	28.50	1.79
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	32.58	1.79
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	36.48	1.92
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	40.43	1.92
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	44.28	1.92
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	48.39	2.06
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	52.38	2.20
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	15.74	1.51
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	21.14	1.65
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	26.53	1.65
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	31.92	1.79
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	37.35	1.79
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	43.03	1.92
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	48.41	1.92
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	53.85	2.06
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	60.27	2.06
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	64.75	2.20
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	70.20	2.20
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	23.93	1.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	33.35	1.65
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	42.78	1.65
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	52.33	1.79
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	61.75	1.79
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	71.45	1.92
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	80.86	1.92
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	90.42	2.06
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	99.85	2.06
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	109.27	2.20
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	118.98	2.33
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	28.44	1.65
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	40.04	1.65
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	51.65	1.79
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	63.38	1.79
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	75.00	1.79
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	86.87	1.92
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	98.49	2.06
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	110.22	2.06
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	121.82	2.20
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	133.44	2.20
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	145.32	2.33
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	71.45	1.79
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	88.10	1.79
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	104.63	1.92
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	121.42	2.06
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	137.95	2.06
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	154.60	2.20
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	171.11	2.20
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	187.64	2.20
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	204.44	2.33
06 46 36 00-0669		**Clear Yellow Pine** *(06 46 36)*		
06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	7.02	1.51
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	8.28	1.51
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.53	1.51
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.77	1.65
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	12.17	1.65
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	13.57	1.79
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	14.80	1.79
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	16.07	1.79
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.98	1.51
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.66	1.51
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	11.30	1.65
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.98	1.65
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	14.76	1.79
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	16.60	1.79
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	18.76	1.79
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	20.52	1.92
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	9.18	1.51
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	11.31	1.65
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	13.42	1.65
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	15.54	1.79
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	17.69	1.79
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	20.09	1.92
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	22.20	1.92
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	24.36	2.06
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	28.05	2.06
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	28.92	2.20
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	7.35	1.51
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.77	1.51
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	10.18	1.51
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.59	1.65
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	13.16	1.65
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	14.71	1.79
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	16.11	1.79
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	17.54	1.79
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	18.89	1.92
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	20.49	2.06
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	22.06	2.06
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	8.42	1.51
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	10.26	1.51
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	12.12	1.65
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	13.96	1.65
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	16.02	1.79
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	18.02	1.79
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	19.85	1.79
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	21.73	1.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	23.55	1.92
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	25.60	2.06
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	27.50	2.06
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	9.38	1.51
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	11.66	1.51
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	13.95	1.65
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	16.23	1.65
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	18.67	1.79
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	21.11	1.79
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	23.37	1.92
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	25.69	1.92
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	27.90	1.92
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	30.37	2.06
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	32.72	2.20
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	11.58	1.51
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	14.91	1.65
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	18.23	1.65
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	21.55	1.79
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	24.89	1.79
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	28.50	1.92
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	31.81	1.92
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	35.18	2.06
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	38.42	2.06
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	41.92	2.20
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	45.30	2.20
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	14.92	1.65
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	19.86	1.65
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	24.75	1.65
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	29.83	1.79
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	34.72	1.79
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	39.94	1.92
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	44.82	1.92
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	49.90	2.06
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	54.79	2.06
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	59.74	2.20
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	64.91	2.33
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	18.28	1.65
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	24.81	1.65
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	31.34	1.79
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	37.99	1.79
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	44.53	1.79
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	51.32	1.92
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	57.86	2.06
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	64.51	2.06
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	71.03	2.20
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	77.57	2.20
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	84.37	2.33
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	42.62	1.79
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	52.05	1.79
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	61.38	1.92
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	71.07	2.06
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	80.28	2.06
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	89.72	2.20
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	99.03	2.20
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	108.34	2.20
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	117.94	2.33

06 46 36 00-0772 Clear Heart Redwood *(06 46 36)*

06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.88	1.51
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	11.06	1.51
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	13.24	1.51
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	15.41	1.65
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	17.74	1.65
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	20.06	1.79
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	24.41	1.79
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	26.88	1.79
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	27.03	1.92
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	28.90	2.06
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.60	1.51
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	13.54	1.51
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	16.49	1.65
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	19.42	1.65
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	22.57	1.79
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	25.67	1.79
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	32.41	1.79
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	35.87	1.92
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	39.23	1.92
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	42.85	2.06
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	13.77	1.51
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	18.19	1.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	22.60	1.65
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	27.01	1.79
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	31.45	1.79
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	36.26	1.92
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	48.41	1.92
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	53.85	2.06
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	63.55	2.06
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	69.55	2.20
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	67.08	1.79
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	82.63	1.79
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	98.08	1.92
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	113.78	2.06
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	129.21	2.06
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	144.77	2.20
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	160.19	2.20
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	175.62	2.20
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	191.33	2.33
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	23.52	1.51
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	33.02	1.51
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	42.51	1.51
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	52.00	1.65
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	61.65	1.65
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	71.29	1.79
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	80.77	1.79
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	90.29	1.79
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	99.71	1.92
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	109.39	2.06
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	118.94	2.06
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	53.53	1.51
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	61.44	1.65
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	80.27	1.65
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	99.09	1.79
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	117.95	1.79
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	136.52	1.92
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	155.88	1.92
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	174.76	2.06
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	193.52	2.06
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	212.53	2.20
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	231.41	2.20
06 46 36 00-0835		**Walnut** *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	13.14	1.51
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	17.45	1.51
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	21.76	1.51
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	26.06	1.65
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	30.52	1.65
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	34.97	1.79
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	39.26	1.79
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	43.59	1.79
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	47.83	1.92
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	52.32	2.06
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	56.68	2.06
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	15.63	1.51
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	21.13	1.51
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	26.59	1.65
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	32.09	1.65
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	37.70	1.79
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	43.36	1.79
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	48.80	1.79
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	54.33	1.92
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	59.71	1.92
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	65.41	2.06
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	70.91	2.06
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	19.05	1.51
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	26.19	1.51
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	33.28	1.65
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	40.42	1.65
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	47.67	1.79
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	54.97	1.79
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	62.03	1.92
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	69.21	1.92
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	76.23	1.92
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	83.56	2.06
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	90.71	2.20
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	25.57	1.51
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	35.88	1.65
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	46.19	1.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	56.50	1.79
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	66.84	1.79
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	77.43	1.92
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	87.73	1.92
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	98.09	2.06
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	109.42	2.06
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	118.81	2.20
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	129.18	2.20
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	42.50	1.65
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	61.20	1.65
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	79.91	1.65
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	98.75	1.79
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	117.46	1.79
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	136.43	1.92
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	155.13	1.92
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	173.98	2.06
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	192.69	2.06
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	211.39	2.20
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	230.38	2.33
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	53.01	1.65
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	76.91	1.65
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	100.80	1.79
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	124.82	1.79
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	148.72	1.79
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	172.88	1.92
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	196.78	2.06
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	220.81	2.06
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	244.70	2.20
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	268.60	2.20
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	292.77	2.33

06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	347.63	77.91
		For Birch, Add	*67.18*	
		For Mahogany, Add	*163.16*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	365.37	81.65
		For Birch, Add	*70.98*	
		For Mahogany, Add	*172.39*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	383.15	84.83
		For Birch, Add	*74.78*	
		For Mahogany, Add	*181.61*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	417.00	90.78
		For Birch, Add	*82.37*	
		For Mahogany, Add	*200.04*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	451.65	97.29
		For Birch, Add	*89.97*	
		For Mahogany, Add	*218.49*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	508.94	78.19
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	518.77	81.65
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	528.55	85.10
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	545.49	90.64
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	565.30	97.56
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	403.34	78.19
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	422.71	81.65
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	442.19	85.10
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	478.15	90.64
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	516.89	97.56

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	173.49	37.09
		For Oak Or Maple, Add	*30.80*	
		For Birch, Add	*34.77*	
		For Mahogany, Add	*84.45*	
		For Walnut Frame, Add	*44.71*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	174.67	37.22
		For Oak Or Maple, Add	*31.06*	
		For Birch, Add	*35.06*	
		For Mahogany, Add	*85.15*	
		For Walnut Frame, Add	*45.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	176.88	37.92
		For Oak Or Maple, Add	*31.29*	
		For Birch, Add	*35.33*	
		For Mahogany, Add	*85.80*	
		For Walnut Frame, Add	*45.42*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	179.77	38.88
		For Oak Or Maple, Add	*31.60*	
		For Birch, Add	*35.68*	
		For Mahogany, Add	*86.65*	
		For Walnut Frame, Add	*45.87*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	183.92	39.85
		For Oak Or Maple, Add	*32.27*	
		For Birch, Add	*36.43*	
		For Mahogany, Add	*88.48*	
		For Walnut Frame, Add	*46.84*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	194.35	42.35
		For Oak Or Maple, Add	*33.97*	
		For Birch, Add	*38.36*	
		For Mahogany, Add	*93.15*	
		For Walnut Frame, Add	*49.32*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	206.80	45.80
		For Oak Or Maple, Add	*35.69*	
		For Birch, Add	*40.29*	
		For Mahogany, Add	*97.85*	
		For Walnut Frame, Add	*51.80*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	217.92	48.71
		For Oak Or Maple, Add	*37.39*	
		For Birch, Add	*42.22*	
		For Mahogany, Add	*102.53*	
		For Walnut Frame, Add	*54.28*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	8.46	3.32
		For Oak Or Maple, Add	*0.56*	
		For Birch, Add	*0.64*	
		For Mahogany, Add	*1.55*	
		For Walnut Frame, Add	*0.82*	

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	13.95	2.23
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	17.79	2.42
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	21.26	2.62
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	31.00	3.10
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	37.12	3.49
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	20.10	3.00
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	27.03	3.19
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	28.13	3.29
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	38.74	3.59
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	52.77	3.78
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	9.06	1.25
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	12.57	1.32
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	16.39	1.45
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	20.01	1.74
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	29.49	2.04
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	35.87	2.62
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	18.44	1.84
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	25.23	1.94
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	26.46	2.13
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	37.08	2.42
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	51.11	2.62
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	21.49	3.97
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	30.49	5.62
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	32.42	6.29
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	43.86	7.17
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	59.97	8.82
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	8.15	1.25
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	9.34	1.45
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	12.98	1.55
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.67	1.64
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0035		Other Shapes, Recycled Plastic Lumber *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	7.95	1.10
		For Reinforced Structural Plastic Lumber, Add	*2.32*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.78*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.63*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.56*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	10.09	1.25
		For Reinforced Structural Plastic Lumber, Add	*3.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.04*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.16*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.75*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	13.18	1.25
		For Reinforced Structural Plastic Lumber, Add	*4.21*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.68*	
		For White Color, Add	*1.42*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.96*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-1.03*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	7.99	1.10
		For Reinforced Structural Plastic Lumber, Add	*2.33*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.83	1.25
		For Reinforced Structural Plastic Lumber, Add	*2.60*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.42*	
		For White Color, Add	*0.88*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.83*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.63*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	8.99	1.25
		For Reinforced Structural Plastic Lumber, Add	*2.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.87*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.54	1.06
		For Reinforced Structural Plastic Lumber, Add	*1.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.04*	
		For >750, Deduct	*-0.36*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	8.15	1.25
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.34	1.45
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	12.98	1.55
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.67	1.64
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	20.01	1.74
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	24.18	1.84
		For Reinforced Structural Plastic Lumber, Add	*7.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.29*	
		For White Color, Add	*2.70*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.61*	
		For >750, Deduct	*-1.94*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	13.36	1.69
		For Reinforced Structural Plastic Lumber, Add	*4.04*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.37*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.84*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.54	1.81
		For Reinforced Structural Plastic Lumber, Add	*6.28*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.02*	
		For White Color, Add	*2.12*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.41*	
		For >750, Deduct	*-1.53*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	25.43	1.94
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >750, Deduct	*-2.04*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.49	2.04
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	35.87	2.62
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.44	1.84
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	25.23	1.94
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	33.89	2.11
		For Reinforced Structural Plastic Lumber, Add	*11.43*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.85*	
		For White Color, Add	*3.86*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.03*	
		For >500, Deduct	*-3.09*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	26.46	2.13
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	37.08	2.42
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	51.11	2.62
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	72.13	2.91
		For Reinforced Structural Plastic Lumber, Add	*25.15*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.08*	
		For White Color, Add	*8.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.67*	
		For >500, Deduct	*-6.80*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	64.14	2.80
		For Reinforced Structural Plastic Lumber, Add	*22.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.61*	
		For White Color, Add	*7.52*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.64*	
		For >500, Deduct	*-6.02*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	109.48	2.91
		For Reinforced Structural Plastic Lumber, Add	*38.97*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.32*	
		For White Color, Add	*13.17*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.38*	
		For >500, Deduct	*-10.53*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	151.81	3.04
		For Reinforced Structural Plastic Lumber, Add	*54.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.85*	
		For White Color, Add	*18.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.34*	
		For >500, Deduct	*-14.75*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	5.93	0.97
		For Reinforced Structural Plastic Lumber, Add	*1.68*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.27*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.18*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	16.92	1.25
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.91*	
		For White Color, Add	*1.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.93*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.66	1.45
		For Reinforced Structural Plastic Lumber, Add	*6.14*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.00*	
		For White Color, Add	*2.07*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.31*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	23.10	1.74
		For Reinforced Structural Plastic Lumber, Add	*7.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.24*	
		For White Color, Add	*2.58*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.36*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	51.03	2.04
		For Reinforced Structural Plastic Lumber, Add	*17.80*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.89*	
		For White Color, Add	*6.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.51*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.81	1.06
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	7.01	1.10
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	10.09	1.18
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	12.85	1.22

06 51 23 Plastic Channel and Shapes *(06 51)*

06 51 23 00-0001 Channel *(06 51 23)*

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22)	19.12	2.33
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22H1-7/8)	35.06	2.33
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22SH)	35.06	2.33
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22A)	45.68	2.33
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22)	23.80	2.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22H1-7/8)	39.95	2.33
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22SH)	39.95	2.33
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22A)	50.15	2.33
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42)	19.33	2.33
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42H1-7/8)	30.60	2.33
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42SH)	30.60	2.33
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42A)	41.22	2.33
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42)	23.37	2.33
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42H1-7/8)	35.06	2.33
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42SH)	35.06	2.33
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42A)	43.13	2.33

06 51 33 Carbon Fiber Plates *(06 51)*

06 51 33 00-0001 Carbon Fiber Plates *(06 51 33)*

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	20.09
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.63
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.56
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.56
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	97.37
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	180.81
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	181.50
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	345.87
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	518.97
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,034.14
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	25.15
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.29
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	76.08
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	76.08
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	135.35
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	255.51
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	256.20
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	485.13
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	734.19
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,464.58
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.22
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.36
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.48
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.48
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.60
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	334.00
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	334.69
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	554.76
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	843.07
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,670.94
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	34.02
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.22
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.34
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.34
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	177.13
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	332.73
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	333.42
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	637.05
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	963.34
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,920.34
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	39.08
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.88
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	114.06
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	114.06
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	204.98
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	390.97
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	391.66
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	743.39
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,126.65
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,243.17
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.81
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	67.08
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	114.06
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	114.06
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	191.05
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	370.71
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	371.40
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	705.41
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,113.99
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,178.60
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.68
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.40
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.38
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.69	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	460.60	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	461.29	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	882.65	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,336.81	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,667.28	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	53.01	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.93	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.64	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.64	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.61	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	530.23	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	530.92	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,009.25	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,526.71	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,034.42	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.27	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.26	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.57	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	152.04	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	304.99	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	535.29	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	535.98	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,016.85	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,544.43	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,066.07	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	63.13	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.92	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	190.02	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	190.02	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	342.97	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	655.56	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	656.25	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,249.79	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,898.91	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,773.76	

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	19.19	7.33
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	27.27	10.66
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	31.44	11.99
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.52	12.55
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.32	14.50
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.80	13.88
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	40.54	14.99
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	47.20	16.65
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	62.20	17.77
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	81.60	19.43

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	20.07	7.33
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	28.45	10.66
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	32.93	11.99
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	40.02	12.55
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	48.59	14.55
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.60	13.88
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.65	14.99
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	49.98	16.65
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	67.54	17.77
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	90.15	19.43

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	128.89	16.65
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	170.13	19.43
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	216.20	22.21
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	151.27	16.65
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	181.62	19.43
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	260.96	22.21
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	187.56	16.65
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	226.98	19.43
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	298.47	22.21
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	130.70	16.65
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	173.76	19.43
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	219.83	22.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	130.70	16.65
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	156.82	19.43
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	204.71	22.21

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*
Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	50.89	2.86
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	69.08	3.43
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	90.82	3.78

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*
Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	7.37	2.74
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	9.04	3.44
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	7.01	2.89

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	6.90	2.74
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	8.25	2.89
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	10.80	3.03
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	12.23	3.17
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	13.88	3.30
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	17.33	3.44

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	11.11	2.74
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	14.74	3.44
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	15.28	3.44
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	15.82	3.44
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	20.42	4.12
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	23.76	4.12

06 65 00 00-0020 Dentil, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	9.68	2.74
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	10.70	2.74
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	13.01	2.74
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	16.99	2.74

06 65 00 00-0025 Cove, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.92	1.51
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	4.19	1.51
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	5.42	1.79
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	5.42	1.79
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	6.62	1.79
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	8.54	2.06
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	11.07	2.06

06 65 00 00-0033 Chair Rail, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	6.37	2.06
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	8.57	2.74
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	10.12	2.74

06 65 00 00-0037 Door, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	5.86	2.47
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	5.90	2.47

06 65 00 00-0040 Trim, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	6.32	2.89
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.37	2.89
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	7.74	2.74
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	8.80	2.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	6.72	2.74
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	9.56	2.74
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	7.30	2.74

06 65 00 00-0048 Extruded Polyvinyl Chloride (PVC) Trimboard *(06 65)*

Note: As manufactured by Azek or Kleer. All dimensions are nominal.

06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.45	1.10
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.27	1.24
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	8.17	1.38
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	9.77	1.40
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	11.54	1.45
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.39	1.10
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	7.72	1.24
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	9.78	1.38
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	11.98	1.40
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	14.01	1.45
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	11.47	1.40
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	15.11	1.45
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	8.09	1.24
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	11.55	1.38

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings *(06 74 13)*

06 74 13 00-0002 Vi-Corr Resin System *(06 74 13 00-0001)*

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	46.27	2.06
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	44.94	2.06
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	58.69	2.06
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	63.53	2.64
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.56	2.06
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.18	2.06
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.00	2.06
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	66.65	2.64
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	43.85	1.65
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	71.11	1.81
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	97.50	1.99

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.54	2.06
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.83	2.06
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.30	2.06
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	55.34	2.64
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	44.42	2.06
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	40.90	2.06
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	55.73	2.64
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	58.42	2.64
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.64	1.65
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	54.75	1.81
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	75.25	1.99

06 74 13 00-0026 Corvex Polyester Resin *(06 74 13 00-0001)*

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	36.07	2.06
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.64	2.06
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	42.02	2.06
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.30	2.64
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.45	2.06
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.00	2.06
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	44.78	2.06
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.66	2.64
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	34.11	1.65
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	54.51	1.81
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	75.65	1.99

06 74 13 00-0038 XFR Extra Fire Retardant *(06 74 13 00-0001)*

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.15	2.06
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.60	2.06
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	70.70	2.06
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.51	2.64
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.48	2.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	53.96	2.06
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.46	2.06
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	78.85	2.64
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	50.26	1.65
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	81.36	1.81
06 74 13 00-0049		ELS Extremely Low Smoke Resin *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	54.51	2.06
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.86	2.06
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	68.80	2.06
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	73.71	2.64
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	56.67	2.06
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	55.31	2.06
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	71.46	2.06
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	76.40	2.64
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	56.19	1.65
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	101.43	1.81
06 74 13 00-0060		Pultruded Fiberglass Grating *(06 74 13)*		
06 74 13 00-0061		ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0060)*		
		Note: For moderately corrosive environments, green.		
06 74 13 00-0062		1" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	38.71	2.64
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.33	2.06
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.80	2.64
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.49	2.06
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	30.15	2.64
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	26.68	2.06
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	34.57	2.64
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	31.19	2.06
06 74 13 00-0071		1-1/2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	43.75	2.64
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	39.48	2.06
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	49.20	2.64
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.14	2.06
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	38.43	2.64
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	35.05	2.06
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.89	2.64
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	41.96	2.64
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	50.78	2.64
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	47.90	2.64
06 74 13 00-0083		VERF Vinyl Ester Resin System *(06 74 13 00-0060)*		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	41.00	2.06
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.64	2.06
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	46.14	2.06
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	53.01	2.06
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	31.41	2.06
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	28.05	2.06
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	36.10	2.06
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.10	2.06
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	45.04	2.06
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	40.73	2.06
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	51.53	2.06
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	48.09	2.06
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	40.45	2.06
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	37.24	2.06
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	39.82	2.64
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.70	2.64
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	53.49	2.64
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	51.94	2.64

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

06 82 00 00-0001 Fiberglass Castings *(06 82)*

06 82 00 00-0002 Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*

06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.86	3.43
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	10.34	3.43
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.53	4.12
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.48	4.12
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	20.60	4.12
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	22.01	4.12
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	23.91	4.12
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	26.93	4.12
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	64.68	5.16
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	74.43	5.16

06 82 00 00-0013 Fiberglass Channels *(06 82 00 00-0001)*

06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	11.39	5.16
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.87	5.16
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.94	5.84
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	23.94	5.84
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	37.62	5.84
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	43.78	5.84
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.33	5.84
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	42.73	5.84
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	53.82	8.02
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	61.75	8.02

06 82 00 00-0024 Fiberglass Wide Flange Beams *(06 82 00 00-0001)*

06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	32.71	6.87
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	35.79	6.87
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	41.88	8.25
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	43.35	8.25
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	67.65	10.31
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	84.97	10.31
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	150.60	12.60
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	169.54	12.60

06 82 00 00-0033 Fiberglass Flat Sheet *(06 82 00 00-0001)*

Note: Not to be used for bathroom board.

06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	27.03	5.84
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	28.24	5.84
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	42.55	6.87
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.98	6.87
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.77	8.25
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	67.43	8.25
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.93	10.31
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	92.72	10.31

06 82 00 00-0042 Fiberglass Bars *(06 82 00 00-0001)*

06 82 00 00-0043 Square Bars *(06 82 00 00-0042)*

06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	16.06	4.12
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	23.08	6.07
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	27.06	8.02

06 82 00 00-0047 Round Bars *(06 82 00 00-0042)*

06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	10.29	3.43
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.15	5.16
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	25.08	5.16
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	33.29	5.16
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.80	5.84

06 82 00 00-0053 Fiberglass Tubes *(06 82 00 00-0001)*

06 82 00 00-0054 Square Tube *(06 82 00 00-0053)*

06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.62	3.43
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.56	3.43
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	17.22	4.12
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.89	4.12
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	32.93	5.16
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.80	5.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	38.75	6.18
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.52	6.18
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	11.12	3.43
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.55	3.43
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.94	4.12
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	22.36	4.12
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.10	2.64
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.08	2.64
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.46	2.98
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.35	2.98
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.51	2.98
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	13.52	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	5.79	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	21.78	
06 82 00 00-0078		**Fiberglass Netting** *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0089		**Fiberglass Stair Treads** *(06 82)*		
06 82 00 00-0090		**Fiberglass Stair Treads** *(06 82 00 00-0089)*		
06 82 00 00-0091		**10-1/2" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	117.01	17.99
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	137.31	17.99
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	157.62	17.99
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	177.92	17.99
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	129.19	17.99
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	152.54	17.99
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	199.24	17.99
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	147.87	17.99
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	203.91	17.99
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	231.93	17.99
06 82 00 00-0104		**12" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	128.62	17.99
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	151.82	17.99
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	175.03	17.99
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	198.23	17.99
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	142.54	17.99
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	169.22	17.99
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	222.60	17.99
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	163.89	17.99
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	227.94	17.99
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	259.96	17.99
06 82 00 00-0117		**Other Fiberglass** *(06 82)*		
06 82 00 00-0118		**Fiberglass Splash Blocks** *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	19.16	3.73

06 83 Composite Paneling *(06 80)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 83 16		**Fiberglass Reinforced Paneling** *(06 83)*		
06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)* Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.69	1.87

END OF SECTION 06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	84.66	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	148.12	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	26.24	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	23.37	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	21.20	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	19.72	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	29.23	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	26.36	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	24.19	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	22.71	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	23.25	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	20.68	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	18.81	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	17.63	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	9.06	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	16 SF Granule Emergency Roof Patch Cover	104.36	
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	890.26	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	5.84	2.52

07 01 50 91 Roofing Restoration *(07 01 50)*

07 01 50 91-0001 Pressure Wash Membrane Roofing *(07 01 50 91)*

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.22
		For Up To 100, Add	*0.17*
		For >100 To 250, Add	*0.08*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.04*

07 01 60 Maintenance of Flashing and Sheet Metal *(07 01)*

07 01 60 91 Flashing and Sheet Metal Restoration *(07 01 60)*

07 01 60 91-0001 Re-connecting Downspouts To Gutters *(07 01 60 91)*

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	41.47	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	60.60	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories *(07 01)*

07 01 70 00-0001 Metal Roofing Edge Repair *(07 01 70)*

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	4.77	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	5.96	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	6.81	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 01 70 00-0005			Metal Roofing Repair *(07 01 70)*		
07 01 70 00-0006		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	29.23	
07 01 70 00-0007		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	26.36	
07 01 70 00-0008		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	24.19	
07 01 70 00-0009		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	22.71	
07 01 70 00-0010			Removal And Reinstallation Of Metal Coping *(07 01 70)*		
07 01 70 00-0011		LF	Removal And Reinstallation Of Metal Coping	10.67	
			For Up To 25 LF, Add	*5.34*	
			For >25 To 100 LF, Add	*2.67*	
			For >1,000 LF, Deduct	*-1.07*	

07 05 Common Work Results for Thermal and Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001			Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*		
			Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.		
07 05 13 00-0002		EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,783.38	
07 05 13 00-0003		EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,334.33	
07 05 13 00-0004		EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	891.68	
07 05 13 00-0005		EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	444.78	

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001			Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*		
07 11 13 00-0002		CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	213.71	
07 11 13 00-0003		CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	332.41	
07 11 13 00-0004			Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*		
07 11 13 00-0005		CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	364.52	
07 11 13 00-0006		CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	560.98	
07 11 13 00-0007			Asphaltic Paint Dampproofing *(07 11 13)*		
07 11 13 00-0008		CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	173.05	
07 11 13 00-0009		CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	319.37	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001			Neoprene *(07 11 19)*		
07 11 19 00-0002		SF	5 To 20 SF, 1/16" Patch Neoprene Roof	46.95	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001			15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*		
07 13 13 00-0002		CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	395.75	140.75
			For 30 Lb. Felt, Add	*85.68*	
			For Application To Horizontal Surfaces, Deduct	*-42.23*	
07 13 13 00-0003		CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	496.46	158.35
			For 30 Lb. Felt, Add	*134.82*	
			For Application To Horizontal Surfaces, Deduct	*-47.51*	
07 13 13 00-0004		CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	597.17	175.94
			For 30 Lb. Felt, Add	*183.96*	
			For Application To Horizontal Surfaces, Deduct	*-52.78*	
07 13 13 00-0005		CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	697.87	193.54
			For 30 Lb. Felt, Add	*233.10*	
			For Application To Horizontal Surfaces, Deduct	*-58.06*	
07 13 13 00-0006		CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	798.58	211.13
			For 30 Lb. Felt, Add	*282.24*	
			For Application To Horizontal Surfaces, Deduct	*-63.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 13 00-0007		**Asphalt Coated Protective Board** *(07 13 13)*		
07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	345.51	142.89
		For Application To Horizontal Surfaces, Deduct	*-47.66*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	434.92	148.38
		For Application To Horizontal Surfaces, Deduct	*-49.46*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	542.47	154.61
		For Application To Horizontal Surfaces, Deduct	*-51.52*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	599.13	160.84
		For Application To Horizontal Surfaces, Deduct	*-53.63*	
07 13 53		**Elastomeric Sheet Waterproofing** *(07 13)*		
07 13 53 00-0001		**Rubberized Membrane Sheet** *(07 13 53)*		
07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	9.05	1.48
		For Floor Surfaces, Deduct	*-1.43*	
07 13 53 00-0003		**Ethylene Propylene Diene Monomer (EPDM)** *(07 13 53)*		
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	570.90	208.64
		For Application To Horizontal Surfaces, Deduct	*-62.58*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	641.83	208.64
		For Application To Horizontal Surfaces, Deduct	*-62.58*	
07 13 53 00-0006		**Butyl Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	115.51	52.16
		For Joint Taping, Add	*17.80*	
		For Each Additional Ply, Add	*86.08*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	135.64	52.16
		For Joint Taping, Add	*18.80*	
		For Each Additional Ply, Add	*100.18*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0009		**Butyl With Nylon** *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	127.02	52.16
		For Joint Taping, Add	*18.37*	
		For Each Additional Ply, Add	*94.14*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	139.96	52.16
		For Joint Taping, Add	*19.02*	
		For Each Additional Ply, Add	*103.20*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0012		**Neoprene Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	193.21	52.16
		For Joint Taping, Add	*21.68*	
		For Each Additional Ply, Add	*140.47*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	278.87	52.16
		For Joint Taping, Add	*25.97*	
		For Each Additional Ply, Add	*200.44*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0015		**Neoprene With Nylon** *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	202.15	52.16
		For Joint Taping, Add	*22.13*	
		For Each Additional Ply, Add	*146.73*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	293.15	52.16
		For Joint Taping, Add	*26.68*	
		For Each Additional Ply, Add	*210.43*	
		For Application To Horizontal Surfaces, Deduct	*-7.84*	
07 13 53 00-0018		**Plastic Vapor Barrier (Polyethylene)** *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	44.64	16.77
		For Joint Taping, Add	*10.77*	
		For Each Additional Ply, Add	*34.96*	
		For Application To Horizontal Surfaces, Deduct	*-5.57*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	46.23	16.77
		For Joint Taping, Add	*10.85*	
		For Each Additional Ply, Add	*36.07*	
		For Application To Horizontal Surfaces, Deduct	*-5.57*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	73.32	16.77
		For Joint Taping, Add	*12.20*	
		For Each Additional Ply, Add	*55.04*	
		For Application To Horizontal Surfaces, Deduct	*-5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite Note: Includes seam tape, liquid mastic, anchors and termination bar.	152.69	16.77
		For Each Additional Ply, Add	*111.01*	
		For Application To Horizontal Surfaces, Deduct	*-6.19*	
07 13 53 00-0023		**Polyvinyl Chloride (PVC) Vapor Barrier** *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	60.68	18.56
		For Joint Taping, Add	*11.57*	
		For Each Additional Ply, Add	*46.19*	
		For Application To Horizontal Surfaces, Deduct	*-5.57*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	79.23	19.24
		For Joint Taping, Add	*12.82*	
		For Each Additional Ply, Add	*59.31*	
		For Application To Horizontal Surfaces, Deduct	*-5.78*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	104.13	19.93
		For Joint Taping, Add	*14.38*	
		For Each Additional Ply, Add	*76.88*	
		For Application To Horizontal Surfaces, Deduct	*-5.98*	
07 13 53 00-0027		**Vinyl Plastic Vapor Barrier** *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	53.13	17.18

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001		**Hot Applied Rubberized Asphalt Waterproofing Coating** *(07 14 13)*		
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.85	
		For Application To Horizontal Surfaces, Deduct	*-0.27*	
		For Reinforcing Fabric, Add	*0.62*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	3.32	
		For Application To Horizontal Surfaces, Deduct	*-0.28*	
		For Reinforcing Fabric, Add	*0.62*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001		**Fluid Applied Rubber Based Polyurethane** *(07 14 16)*		
07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.04	
		For Application To Horizontal Surfaces, Deduct	*-0.63*	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.67	
		For Application To Horizontal Surfaces, Deduct	*-0.66*	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	6.36	
		For Application To Horizontal Surfaces, Deduct	*-0.70*	
07 14 16 00-0005		**One Part Solution Of Chlorosulfonated Polyethylene Polymer** *(07 14 16)*		
07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.66	
07 14 16 00-0007		**Copolymer Compound** *(07 14 16)*		
07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	5.75	
07 14 16 00-0009		**Fluid Applied Neoprene** *(07 14 16)*		
07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	671.86	
		For Application To Horizontal Surfaces, Deduct	*-76.01*	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,264.99	
		For Application To Horizontal Surfaces, Deduct	*-149.10*	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	2,032.20	
		For Application To Horizontal Surfaces, Deduct	*-223.54*	

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	5.09	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	6.16	

07 16 19 Metal Oxide Waterproofing *(07 16)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 16 19 00-0001			Metallic Oxide Waterproofing *(07 16 19)* Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors.		
07 16 19 00-0002		CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	547.12	
			For Application To Horizontal Surfaces, Deduct	*-69.16*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001		CSF	3/16" Bentonite Waterproofing Panels	527.22	170.49
			For Application To Horizontal Surfaces, Deduct	*-51.16*	
07 17 13 00-0002		CSF	1/4" Bentonite Waterproofing Panels	499.20	180.13
			For Application To Horizontal Surfaces, Deduct	*-55.37*	
07 17 13 00-0003		CSF	5/8" Bentonite Waterproofing Panels	647.48	187.84
			For Application To Horizontal Surfaces, Deduct	*-56.34*	
07 17 13 00-0004		CSF	3/8" Granular Bentonite, Troweled	525.10	156.24
			For Application To Horizontal Surfaces, Deduct	*-46.85*	

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001			Pedestrian Traffic Coating *(07 18 13)* Note: Gaco Western	
07 18 13 00-0002		SF	GACOCRETE A-17, Acrylic Elastomeric Coating	3.62
07 18 13 00-0003		SF	Silicone Enhanced A-30, Acrylic Elastomeric Coating	3.15
			For >2,000, Deduct	*-0.33*
07 18 13 00-0004		SF	Quick Set A-31, Acrylic Elastomeric Coating	2.96
07 18 13 00-0005		SF	A-32, Acrylic Elastomeric Coating	3.27
			For >2,000, Deduct	*-0.37*
07 18 13 00-0006		SF	Liquid Seam Tape A-3611, Acrylic Elastomeric Coating	3.38
			For >2,000, Deduct	*-0.41*
07 18 13 00-0007		SF	A-38, Acrylic Elastomeric Coating	3.34
07 18 13 00-0008		SF	Acrylic Primer A-4121	2.43
07 18 13 00-0009		SF	Two Component Epoxy Emulsion Primer Filler E-5320	3.90
07 18 13 00-0010		SF	Two Component Epoxy Rust Inhibiting Primer E-5388	4.43
07 18 13 00-0011		SF	Two Component 100% Solids Primer E-5481	4.78
07 18 13 00-0012		SF	Hypalon Roof Coating H-25	4.28
07 18 13 00-0013		SF	Neoprene Adhesive N-1207	3.43
07 18 13 00-0014		SF	GACOSIL S-10 Silicone	3.74
			For >2,000, Deduct	*-0.54*
07 18 13 00-0015		SF	GACOSIL S-20 Silicone	3.83
			For >2,000, Deduct	*-0.57*
07 18 13 00-0016		SF	Urethane Primer/Sealer U-5677	2.59
07 18 13 00-0017		SF	Single Component Polyurethane Coating, Ure-Shield Aluminum U-6006	3.50
			For >2,000, Deduct	*-0.45*
07 18 13 00-0018		SF	Two Component Polyurethane Coating U-62	5.21
			For >2,000, Deduct	*-0.79*
07 18 13 00-0019		SF	Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	4.65
07 18 13 00-0020		SF	Two Component Polyurethane Coating U-66	5.15
07 18 13 00-0021		SF	Two Component Polyurethane Coating U-8730	4.84
07 18 13 00-0022		SF	Two Component Polyurethane Coating U-8782	4.78
07 18 13 00-0023		SF	Two Component Polyurethane Aliphatic Coating UA-60	5.78
07 18 13 00-0024		SF	Two Component Polyurethane Aliphatic Coating UA-7090	7.03
07 18 13 00-0025		SF	Two Component Polyurethane Base Coating UB-64	4.59
07 18 13 00-0026		SF	Two Component Polyurethane Base Coating UB-8380	4.53
07 18 13 00-0027		SF	Etching Detergent D-09	2.62
07 18 13 00-0028		LB	GacoShell Granules Additive To Coating	2.43
07 18 13 00-0029		LB	Quartz Granules Additive To Coating	2.19
07 18 13 00-0030		LF	4" Polyester Reinforcing Tape, 66-B	0.25
07 18 13 00-0031		LF	6" Polyester Reinforcing Tape, 66-B	0.30
07 18 13 00-0032		LF	4" Sontara Polyester Reinforcing Tape, 66-S	0.38
07 18 13 00-0033		LF	6" Sontara Polyester Reinforcing Tape, 66-S	0.51
07 18 13 00-0034		LF	2" Metal Roof Seam Sealing Tape, 66-MR	1.04
07 18 13 00-0035		LF	3" Metal Roof Seam Sealing Tape, 66-MR	1.60
07 18 13 00-0036		LF	4" Metal Roof Seam Sealing Tape, 66-MR	1.98
07 18 13 00-0037		LF	6" Metal Roof Seam Sealing Tape, 66-MR	2.82
07 18 13 00-0038		GAL	Polyurethane Coating Thinner T-5106	56.34
07 18 13 00-0039		GAL	Compliant Thinner T-5110	117.38
07 18 13 00-0040		GAL	Regular Thinner T-5112	32.87
07 18 13 00-0041		GAL	Polyurethane Coating Thinner T-5116	42.26
07 18 13 00-0042		GAL	Polyurethane Troweling Thinner T-5118	51.65
07 18 13 00-0043		GAL	Compliant Thinner T-5125	56.34
07 18 13 00-0044		GAL	Fast Polyurethane Coating Thinner T-5130	42.26
07 18 13 00-0045		GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	42.26

07 18 16 Vehicular Traffic Coatings *(07 18)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 16 00-0001		**Preparation For Vehicular Traffic Coating** *(07 18 16)*		
		See CSI section 03 01 30 71-0027 for crack repairs.		
07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.25	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.70	
07 18 16 00-0004		**Vehicular Traffic Coating (Sika)** *(07 18 16)*		
		Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0027 for crack repairs, 07 18 16 00-0001 for surface preparaion.		
07 18 16 00-0005	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720)	4.10	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0006	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.53	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0007	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.68	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0008	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.85	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0009	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.99	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0010	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.87	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0011	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.11	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0012	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.36	
		Note: Excludes crack repair or caulking.		

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	3.20	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.81	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	4.19	

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001		**Silane Concrete Sealer** *(07 19 16)*		
07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.82	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.19	
07 19 16 00-0004		**Silane/Siloxane Concrete Sealer** *(07 19 16)*		
07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.37	
		Note: 40% silane, alcohol based.		
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.99	
		Note: 40% silane, alcohol based.		
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.53	
		Note: 200 SF/GAL		
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.77	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001		**Cold Adhesive Applied Foam Board Insulation** *(07 21 13 13)*		
07 21 13 13-0002		**Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation** *(07 21 13 13-0001)*		
07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.37	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.09	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.24	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.54	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0007		**Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation** *(07 21 13 13-0001)*		
07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.97	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.04	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.32	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.60	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.72	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.83	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.95	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.06	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.18	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0017		**Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation** *(07 21 13 13-0001)*		
		Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.25	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.56*	
		For 60 PSI Compressive Strength, Add	*0.89*	
		For 115 PSI Compressive Strength, Add	*3.86*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.63	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.70*	
		For 60 PSI Compressive Strength, Add	*1.11*	
		For 115 PSI Compressive Strength, Add	*4.83*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.94	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.29*	
		For 115 PSI Compressive Strength, Add	*5.63*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.00	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.32*	
		For 115 PSI Compressive Strength, Add	*5.76*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.52	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*9.62*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.04	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.06*	
		For 115 PSI Compressive Strength, Add	*13.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.81	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.50*	
		For 115 PSI Compressive Strength, Add	*15.40*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.36	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.20	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.35	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.75	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	

07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.96	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.03	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.31	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.59	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.83	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	5.05	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.33	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.66	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Gypsum, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*9.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	9.01	0.53
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.98*	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.24	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For 40 PSI Compressive Strength, Add	*0.50*	
		For 60 PSI Compressive Strength, Add	*0.81*	
		For 115 PSI Compressive Strength, Add	*3.46*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.62	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For 40 PSI Compressive Strength, Add	*0.64*	
		For 60 PSI Compressive Strength, Add	*1.03*	
		For 115 PSI Compressive Strength, Add	*4.44*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.93	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.21*	
		For 115 PSI Compressive Strength, Add	*5.23*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.99	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.78*	
		For 60 PSI Compressive Strength, Add	*1.24*	
		For 115 PSI Compressive Strength, Add	*5.36*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.63	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.17*	
		For 115 PSI Compressive Strength, Add	*9.48*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.26	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.10*	
		For 115 PSI Compressive Strength, Add	*13.59*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	7.19	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.99*	
		For 40 PSI Compressive Strength, Add	*2.34*	
		For 60 PSI Compressive Strength, Add	*3.63*	
		For 115 PSI Compressive Strength, Add	*15.96*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.83	0.59
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.15	0.71
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.47	0.83
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.03	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.94	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.32	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.44	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.57	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.67	0.59
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.09	0.71
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.51	0.83
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 21 13 16-0017		Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.02	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	6.05	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.43	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.66	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	9.79	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.16	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.56	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.96	0.59
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.69	0.65
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.42	0.71
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.88	0.83
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.99	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.40	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.80	0.59
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.63	0.65
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.36	0.71
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	5.92	0.83
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.89	0.63
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	2.03	0.63
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	2.07	0.63
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.70	0.63
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	2.33	0.63
		For >1,600, Deduct	*-0.26*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	3.18	0.79
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	3.60	0.79
		For >1,600, Deduct	*-0.45*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.81	0.63
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.96	0.63
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	2.41	0.63
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.60	0.63
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	2.70	0.63
		For >1,600, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	3.00	0.79
		For >1,600, Deduct	*-0.37*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	3.49	0.79
		For >1,600, Deduct	*-0.43*	
07 21 16 00-0018		**Foil Faced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	2.13	0.63
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.35	0.63
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.64	0.63
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.70	0.79
		For >1,600, Deduct	*-0.48*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	4.02	0.79
		For >1,600, Deduct	*-0.54*	
07 21 16 00-0024		**Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.94	0.63
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	2.07	0.63
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.78	0.63
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.35	0.63
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	3.08	0.79
		For >1,600, Deduct	*-0.40*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.49	0.79
		For >1,600, Deduct	*-0.43*	
07 21 16 00-0031		**Mineral Wool Flexible Insulation** *(07 21 16)*		
07 21 16 00-0032		**Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	2.09	0.63
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.73	0.63
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	4.16	0.63
		For >1,600, Deduct	*-0.60*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	4.93	0.63
		For >1,600, Deduct	*-0.72*	
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.96	0.63
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.53	0.63
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	3.77	0.63
		For >1,600, Deduct	*-0.52*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.46	0.63
		For >1,600, Deduct	*-0.63*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		
07 21 16 00-0043		**UltraTouch™ Natural Cotton Insulation** *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.77	0.63
		For >1,600, Deduct	*-0.37*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	3.09	0.63
		For >1,600, Deduct	*-0.42*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.42	0.63
		For >1,600, Deduct	*-0.49*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.50	0.63
		For >1,600, Deduct	*-0.68*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		**Polyurethane Foam Insulation, Sprayed On** *(07 21 19)*		
07 21 19 00-0002	EA	Minimum Charge For Foamed-In-Place, Spray Polyurethane Insulation Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,605.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.62	
		For Up To 250 SF, Add	*0.62*	
		For >250 To 500 SF, Add	*0.31*	
		For >500 To 1,000 SF, Add	*0.13*	
		For >5,000 To 10,000 SF, Deduct	*-0.20*	
		For >10,000 SF, Deduct	*-0.49*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.20	
		For Up To 250 SF, Add	*0.81*	
		For >250 To 500 SF, Add	*0.41*	
		For >500 To 1,000 SF, Add	*0.17*	
		For >5,000 To 10,000 SF, Deduct	*-0.26*	
		For >10,000 SF, Deduct	*-0.64*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.76	
		For Up To 250 SF, Add	*1.00*	
		For >250 To 500 SF, Add	*0.50*	
		For >500 To 1,000 SF, Add	*0.21*	
		For >5,000 To 10,000 SF, Deduct	*-0.32*	
		For >10,000 SF, Deduct	*-0.78*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.32	
		For Up To 250 SF, Add	*1.18*	
		For >250 To 500 SF, Add	*0.59*	
		For >500 To 1,000 SF, Add	*0.25*	
		For >5,000 To 10,000 SF, Deduct	*-0.38*	
		For >10,000 SF, Deduct	*-0.93*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.88	
		For Up To 250 SF, Add	*1.37*	
		For >250 To 500 SF, Add	*0.68*	
		For >500 To 1,000 SF, Add	*0.29*	
		For >5,000 To 10,000 SF, Deduct	*-0.44*	
		For >10,000 SF, Deduct	*-1.07*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.45	
		For Up To 250 SF, Add	*1.56*	
		For >250 To 500 SF, Add	*0.78*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.50*	
		For >10,000 SF, Deduct	*-1.22*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.01	
		For Up To 250 SF, Add	*1.74*	
		For >250 To 500 SF, Add	*0.87*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.56*	
		For >10,000 SF, Deduct	*-1.37*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.58	
		For Up To 250 SF, Add	*1.93*	
		For >250 To 500 SF, Add	*0.96*	
		For >500 To 1,000 SF, Add	*0.41*	
		For >5,000 To 10,000 SF, Deduct	*-0.62*	
		For >10,000 SF, Deduct	*-1.51*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.14	
		For Up To 250 SF, Add	*2.11*	
		For >250 To 500 SF, Add	*1.06*	
		For >500 To 1,000 SF, Add	*0.45*	
		For >5,000 To 10,000 SF, Deduct	*-0.68*	
		For >10,000 SF, Deduct	*-1.66*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.72	
		For Up To 250 SF, Add	*2.31*	
		For >250 To 500 SF, Add	*1.15*	
		For >500 To 1,000 SF, Add	*0.50*	
		For >5,000 To 10,000 SF, Deduct	*-0.74*	
		For >10,000 SF, Deduct	*-1.81*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.28	
		For Up To 250 SF, Add	*2.49*	
		For >250 To 500 SF, Add	*1.25*	
		For >500 To 1,000 SF, Add	*0.54*	
		For >5,000 To 10,000 SF, Deduct	*-0.80*	
		For >10,000 SF, Deduct	*-1.95*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.13	
		For Up To 250 SF, Add	*1.18*	
		For >250 To 500 SF, Add	*0.59*	
		For >500 To 1,000 SF, Add	*0.25*	
		For >5,000 To 10,000 SF, Deduct	*-0.37*	
		For >10,000 SF, Deduct	*-0.93*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.13	
		For Up To 250 SF, Add	*1.49*	
		For >250 To 500 SF, Add	*0.75*	
		For >500 To 1,000 SF, Add	*0.32*	
		For >5,000 To 10,000 SF, Deduct	*-0.48*	
		For >10,000 SF, Deduct	*-1.17*	
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.01	
		For Up To 250 SF, Add	*1.74*	
		For >250 To 500 SF, Add	*0.87*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.56*	
		For >10,000 SF, Deduct	*-1.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.02	
		For Up To 250 SF, Add	*2.05*	
		For >250 To 500 SF, Add	*1.03*	
		For >500 To 1,000 SF, Add	*0.44*	
		For >5,000 To 10,000 SF, Deduct	*-0.66*	
		For >10,000 SF, Deduct	*-1.61*	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.90	
		For Up To 250 SF, Add	*2.30*	
		For >250 To 500 SF, Add	*1.15*	
		For >500 To 1,000 SF, Add	*0.50*	
		For >5,000 To 10,000 SF, Deduct	*-0.75*	
		For >10,000 SF, Deduct	*-1.80*	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.92	
		For Up To 250 SF, Add	*2.62*	
		For >250 To 500 SF, Add	*1.31*	
		For >500 To 1,000 SF, Add	*0.57*	
		For >5,000 To 10,000 SF, Deduct	*-0.85*	
		For >10,000 SF, Deduct	*-2.05*	
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.80	
		For Up To 250 SF, Add	*2.87*	
		For >250 To 500 SF, Add	*1.44*	
		For >500 To 1,000 SF, Add	*0.63*	
		For >5,000 To 10,000 SF, Deduct	*-0.94*	
		For >10,000 SF, Deduct	*-2.25*	
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.80	
		For Up To 250 SF, Add	*3.18*	
		For >250 To 500 SF, Add	*1.59*	
		For >500 To 1,000 SF, Add	*0.69*	
		For >5,000 To 10,000 SF, Deduct	*-1.04*	
		For >10,000 SF, Deduct	*-2.49*	
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.69	
		For Up To 250 SF, Add	*3.43*	
		For >250 To 500 SF, Add	*1.72*	
		For >500 To 1,000 SF, Add	*0.75*	
		For >5,000 To 10,000 SF, Deduct	*-1.13*	
		For >10,000 SF, Deduct	*-2.68*	
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.70	
		For Up To 250 SF, Add	*3.74*	
		For >250 To 500 SF, Add	*1.87*	
		For >500 To 1,000 SF, Add	*0.82*	
		For >5,000 To 10,000 SF, Deduct	*-1.23*	
		For >10,000 SF, Deduct	*-2.93*	
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.58	
		For Up To 250 SF, Add	*3.99*	
		For >250 To 500 SF, Add	*2.00*	
		For >500 To 1,000 SF, Add	*0.88*	
		For >5,000 To 10,000 SF, Deduct	*-1.31*	
		For >10,000 SF, Deduct	*-3.12*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.72	
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	7.14	
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.56	
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	10.04	
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	11.61	

07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame	5.61	

07 21 23 Loose-Fill Insulation *(07 21)*

07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	9.14	3.64
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	9.55	3.64

07 21 23 00-0004 Concrete Block Wall Cavity Insulation *(07 21 23)*

07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	12.17	3.64
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	12.07	3.64

07 21 26 Blown Insulation *(07 21)*

07 21 26 00-0001 Fiberglass Blown-In Insulation *(07 21 26)*

07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.81	1.48
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	2.01	1.62
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	2.23	1.77
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	2.48	1.91
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.64	1.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.84	2.06
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	3.05	2.13
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	3.20	2.21
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	3.44	2.36
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	3.62	2.43
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.88	2.50
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	4.21	2.65
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	4.86	2.94
07 21 26 00-0016		**New Wall, Fiberglass Blown-In Insulation** *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.61	1.48
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.46	1.77
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	4.08	1.91
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.84	2.06
07 21 26 00-0021		**Existing Wall, Fiberglass Blown-In Insulation** *(07 21 26 00-0001)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.48	1.48
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.33	1.77
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.95	1.91
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.72	2.06
07 21 26 00-0026		**Cellulose Blown-In Insulation** *(07 21 26)*		
07 21 26 00-0027		**Attic, Cellulose Blown-In Insulation** *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.88	1.48
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	2.23	1.62
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.49	1.77
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.87	1.91
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.93	1.91
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.39	2.06
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.48	2.06
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.80	2.21
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	4.03	2.21
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.35	2.36
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.57	2.36
07 21 26 00-0039		**New Wall, Cellulose Blown-In Insulation** *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.46	1.48
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.24	1.77
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.78	1.91
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.45	2.06
07 21 26 00-0044		**Existing Wall, Cellulose Blown-In Insulation** *(07 21 26 00-0026)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.33	1.48
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	3.11	1.77
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.65	1.91
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.32	2.06
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		**Fiber Sprayed On Insulation** *(07 21 29)*		
		Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.76	0.79
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	2.00	0.79
07 21 29 00-0004		**Cellulose Sprayed On Insulation** *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.95	0.79
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		**Reflective Barrier Insulation (Foil - Single Bubble - Foil)** *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.40	

07 22 Roof and Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0001		**Rigid Board Roofing Insulation** *(07 22 16)* Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002		**Cold Adhesive Applied Rigid Board Roofing Insulation** *(07 22 16 00-0001)*		
07 22 16 00-0003		**Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.87	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.32	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.75	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.56	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.37	
07 22 16 00-0009		**Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.13	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.62	
07 22 16 00-0012		**Cold Adhesive Applied, Perlite, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.76	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.76	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.02	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.33	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.08	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.57	
07 22 16 00-0019		**Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.74	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.94	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.35	
07 22 16 00-0023		**Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.73	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.89	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.20	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.31	
07 22 16 00-0028		**Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.50	
		For Loose-Laid, Deduct	*-1.36*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.57	
		For Loose-Laid, Deduct	*-1.36*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.85	
		For Loose-Laid, Deduct	*-1.36*	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.13	
		For Loose-Laid, Deduct	*-1.36*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.27	
		For Loose-Laid, Deduct	*-1.38*	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.39	
		For Loose-Laid, Deduct	*-1.40*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.52	
		For Loose-Laid, Deduct	*-1.41*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.64	
		For Loose-Laid, Deduct	*-1.43*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.78	
		For Loose-Laid, Deduct	*-1.45*	
07 22 16 00-0038		**Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation** *(07 22 16 00-0002)* Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.57	
		For Loose-Laid, Deduct	*-1.41*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.32*	
		For 115 PSI Compressive Strength, Add	*5.69*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.63	
		For Loose-Laid, Deduct	*-1.41*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.35*	
		For 115 PSI Compressive Strength, Add	*5.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.56	
		For Loose-Laid, Deduct	*-1.41*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.19*	
		For 60 PSI Compressive Strength, Add	*1.89*	
		For 100 PSI Compressive Strength, Add	*2.43*	
		For 115 PSI Compressive Strength, Add	*8.21*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.17	
		For Loose-Laid, Deduct	*-1.43*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.22*	
		For 115 PSI Compressive Strength, Add	*9.68*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.21	
		For Loose-Laid, Deduct	*-1.43*	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.81*	
		For 60 PSI Compressive Strength, Add	*2.83*	
		For 100 PSI Compressive Strength, Add	*3.64*	
		For 115 PSI Compressive Strength, Add	*12.35*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.70	
		For Loose-Laid, Deduct	*-1.45*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.10*	
		For 115 PSI Compressive Strength, Add	*13.54*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.49	
		For Loose-Laid, Deduct	*-1.47*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.53*	
		For 115 PSI Compressive Strength, Add	*15.47*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.23	
		For Loose-Laid, Deduct	*-1.41*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.34	
		For Loose-Laid, Deduct	*-1.41*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.53	
		For Loose-Laid, Deduct	*-1.42*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.00	
		For Loose-Laid, Deduct	*-1.43*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.47	
		For Loose-Laid, Deduct	*-1.44*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.95	
		For Loose-Laid, Deduct	*-1.45*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.46	
		For Loose-Laid, Deduct	*-1.46*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.92	
		For Loose-Laid, Deduct	*-1.47*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.44*	

07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.74	

07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.48	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.67	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.80	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.87	

07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.41	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.70	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.77	
07 22 16 00-0066		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.94	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.23	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.62	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.86	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.44	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.68	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.08	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.99	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.50	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.11	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.50	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.01	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.55	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	9.55	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.64	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.08	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.54	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.37	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	5.19	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.91	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.40	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.52	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.77	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	3.08	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.83	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.30	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.48	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.67	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	6.12	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.47	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.63	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.96	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	13.08	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.24	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.31	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.45	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.86	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.99	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.14	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.26	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.40	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.52	

07 22 16 00-0117 Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*

Note: 15 PSI compressive strength.

07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.32	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For 40 PSI Compressive Strength, Add	*0.67*	
		For 60 PSI Compressive Strength, Add	*1.10*	
		For 115 PSI Compressive Strength, Add	*4.70*	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.38	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.69*	
		For 60 PSI Compressive Strength, Add	*1.13*	
		For 115 PSI Compressive Strength, Add	*4.83*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.30	
		For 25 PSI Compressive Strength, Add	*0.44*	
		For 40 PSI Compressive Strength, Add	*1.04*	
		For 60 PSI Compressive Strength, Add	*1.67*	
		For 100 PSI Compressive Strength, Add	*2.13*	
		For 115 PSI Compressive Strength, Add	*7.20*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	5.08	
		For 25 PSI Compressive Strength, Add	*0.53*	
		For 40 PSI Compressive Strength, Add	*1.26*	
		For 60 PSI Compressive Strength, Add	*2.01*	
		For 115 PSI Compressive Strength, Add	*8.68*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	20.35	
		For 25 PSI Compressive Strength, Add	*0.70*	
		For 40 PSI Compressive Strength, Add	*1.66*	
		For 60 PSI Compressive Strength, Add	*3.33*	
		For 100 PSI Compressive Strength, Add	*4.07*	
		For 115 PSI Compressive Strength, Add	*12.80*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.46	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For 40 PSI Compressive Strength, Add	*1.83*	
		For 60 PSI Compressive Strength, Add	*2.87*	
		For 115 PSI Compressive Strength, Add	*12.53*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.25	
		For 25 PSI Compressive Strength, Add	*0.89*	
		For 40 PSI Compressive Strength, Add	*2.11*	
		For 60 PSI Compressive Strength, Add	*3.31*	
		For 115 PSI Compressive Strength, Add	*14.46*	

07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*

07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.97	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.09	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.15*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.27	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.74	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.24	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.71	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.07	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.36*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.68	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.25
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.44
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.57
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0139		**Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock)** *(07 22 16 00-0082)*		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.18	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.48	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.54	
07 22 16 00-0143		**Mechanically Fastened Rigid Board Roofing Insulation** *(07 22 16 00-0001)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144		**Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation** *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.70	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.16	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.59	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.50	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	5.31	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0150		**Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.96	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.46	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0153		**Mechanically Fastened, Perlite, Roof Board Insulation** *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.60	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.86	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	3.17	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	4.02	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.50	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0159		Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.58	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.88	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.39	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0163		Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.67	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.83	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	10.24	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.52	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.93*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.66*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.34	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.23*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.41	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.23*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.69	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.23*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.97	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.21	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.43	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.73	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	8.06	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.18*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.04*	
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.70	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.47*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.47*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.41	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.23*	
		For 115 PSI Compressive Strength, Add	*5.28*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.47	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.78*	
		For 60 PSI Compressive Strength, Add	*1.26*	
		For 115 PSI Compressive Strength, Add	*5.41*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.50	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For 40 PSI Compressive Strength, Add	*1.17*	
		For 60 PSI Compressive Strength, Add	*1.86*	
		For 100 PSI Compressive Strength, Add	*2.38*	
		For 115 PSI Compressive Strength, Add	*8.06*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.11	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*9.53*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.25	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For 40 PSI Compressive Strength, Add	*1.82*	
		For 60 PSI Compressive Strength, Add	*2.85*	
		For 100 PSI Compressive Strength, Add	*3.67*	
		For 115 PSI Compressive Strength, Add	*12.46*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.74	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.12*	
		For 115 PSI Compressive Strength, Add	*13.64*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.70	
		For 25 PSI Compressive Strength, Add	*0.99*	
		For 40 PSI Compressive Strength, Add	*2.34*	
		For 60 PSI Compressive Strength, Add	*3.66*	
		For 115 PSI Compressive Strength, Add	*16.01*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.06	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.18	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.46	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.94	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.51	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.99	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.67	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.67*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	6.13	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.58	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.31	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.51	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.64	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.71	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.25	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.54	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.61	
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.88	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.16	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Gypsum, Add	*2.48*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.66	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.90	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.65	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.18*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.91*	
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.89	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	8.50	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.36*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.03	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.54	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.02*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.32	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.16*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.89*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.71	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.43	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.30*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.97	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.30*	
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	10.19	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.78*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.78	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.95	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.62	
		For 25 PSI Compressive Strength, Add	*0.49*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.28	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.94	
		For 25 PSI Compressive Strength, Add	*0.62*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.13	
		For 25 PSI Compressive Strength, Add	*0.67*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.79	
		For 25 PSI Compressive Strength, Add	*0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.46	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.12	
		For 25 PSI Compressive Strength, Add	*0.87*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.29	
		For 25 PSI Compressive Strength, Add	*0.92*	
07 22 16 00-0236		**Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0224)*		
07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.45	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.28	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.61	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.46	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.79	
		For 25 PSI Compressive Strength, Add	*0.84*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.62	
		For 25 PSI Compressive Strength, Add	*0.95*	
07 22 16 00-0243		**Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0224)*		
07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.95	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.12	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	17.29	
		For 25 PSI Compressive Strength, Add	*1.02*	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	21.47	
		For 25 PSI Compressive Strength, Add	*1.27*	
07 22 16 00-0248		**Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)** *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0249		**Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)** *(07 22 16 00-0248)*		
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.03	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.25	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.75	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.24	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.74	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.96	
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.46	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.96	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.45	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.67	
07 22 16 00-0260		**Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)** *(07 22 16 00-0248)*		
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.79	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.50	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.49	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0264		SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.21	
07 22 16 00-0265		SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.21	
07 22 16 00-0266		SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.92	
07 22 16 00-0267			Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0268		SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.00	
07 22 16 00-0269		SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.71	
07 22 16 00-0270		SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	15.41	
07 22 16 00-0271		SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	19.63	
07 22 16 00-0272			Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0273			Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0274		SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.63	
07 22 16 00-0275		SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.81	
07 22 16 00-0276		SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.44	
07 22 16 00-0277		SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.07	
07 22 16 00-0278		SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.70	
07 22 16 00-0279		SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.89	
07 22 16 00-0280		SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.53	
07 22 16 00-0281		SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.16	
07 22 16 00-0282		SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.79	
07 22 16 00-0283		SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.97	
07 22 16 00-0284			Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285		SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.32	
07 22 16 00-0286		SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.13	
07 22 16 00-0287		SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.39	
07 22 16 00-0288		SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.21	
07 22 16 00-0289		SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.47	
07 22 16 00-0290		SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	16.28	
07 22 16 00-0291			Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292		SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.76	
			For Mechanically Fastened To Concrete, Add	*2.10*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
07 22 16 00-0293		SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.84	
07 22 16 00-0294		SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	16.91	
07 22 16 00-0295		SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	21.00	
07 22 16 00-0296			Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0297			Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298		SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.14	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.61	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.01	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.48	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.87	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.33	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.73	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.19	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.59	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.06	

07 22 16 00-0308 Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*

07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.45	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.31	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.17	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.03	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.89	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.75	

07 22 16 00-0315 Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*

07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.70	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.42	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	21.15	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	25.87	

07 22 16 00-0320 Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0321 Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*

07 22 16 00-0322 Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.38	
		For 25 PSI Compressive Strength, Add		*0.33*
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.59	
		For 25 PSI Compressive Strength, Add		*0.35*
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.25	
		For 25 PSI Compressive Strength, Add		*0.41*
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.54	
		For 25 PSI Compressive Strength, Add		*0.48*
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.58	
		For 25 PSI Compressive Strength, Add		*0.55*
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.59	
		For 25 PSI Compressive Strength, Add		*0.56*
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.25	
		For 25 PSI Compressive Strength, Add		*0.63*
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.92	
		For 25 PSI Compressive Strength, Add		*0.70*
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.58	
		For 25 PSI Compressive Strength, Add		*0.76*
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.56	
		For 25 PSI Compressive Strength, Add		*0.78*

07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.26	
		For 25 PSI Compressive Strength, Add		*0.30*
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.92	
		For 25 PSI Compressive Strength, Add		*0.38*
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.25	
		For 25 PSI Compressive Strength, Add		*0.51*
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.92	
		For 25 PSI Compressive Strength, Add		*0.60*
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.25	
		For 25 PSI Compressive Strength, Add		*0.73*
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.90	
		For 25 PSI Compressive Strength, Add		*0.81*

07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.59	
		For 25 PSI Compressive Strength, Add		*0.45*
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.58	
		For 25 PSI Compressive Strength, Add		*0.66*
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	16.56	
		For 25 PSI Compressive Strength, Add		*0.88*
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	20.57	
		For 25 PSI Compressive Strength, Add		*1.09*

07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0346		**Hot-Mopped, 1/8" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.29	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.25	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.65	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.45	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.84	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.79	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	15.19	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.99	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	16.38	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	18.33	
07 22 16 00-0357		**Hot-Mopped, 1/4" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.59	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.95	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	11.14	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.49	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	15.68	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	19.03	
07 22 16 00-0364		**Hot-Mopped, 1/2" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	11.34	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	15.88	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	90.55	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	24.97	
07 22 16 00-0369		**Mechanically Fastened Tapered Roofing Insulation** *(07 22 16 00-0222)* Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0370		**Mechanically Fastened, Tapered Polyisocyanurate Board** *(07 22 16 00-0369)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371		**Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0370)*		
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.72	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.33	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.99	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.83	
		For 25 PSI Compressive Strength, Add	*0.51*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.49	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.21	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.88	
		For 25 PSI Compressive Strength, Add	*0.65*	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.76	
		For 25 PSI Compressive Strength, Add	*0.74*	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.43	
		For 25 PSI Compressive Strength, Add	*0.80*	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.35	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.39	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.66	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.16	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.54	
		For 25 PSI Compressive Strength, Add	*0.61*	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.09	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.68	
		For 25 PSI Compressive Strength, Add	*0.86*	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.32	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.78	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	16.34	
		For 25 PSI Compressive Strength, Add	*0.93*	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	20.75	
		For 25 PSI Compressive Strength, Add	*1.20*	
		For Mechanically Fastened To Concrete, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*5.16*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.73*	

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.97	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.62	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.12	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.79	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.29	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.05	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.54	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.26	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.76	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.72	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.72	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.87	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.04	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.29	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.51	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.97	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	
07 22 16 00-0413		Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*		
07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.37	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.79	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	14.47	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	18.91	
		For Mechanically Fastened To Concrete, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*5.16*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.73*	
07 22 16 00-0418		Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419		Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*		
07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.57	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.19	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.20	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.62	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.25	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.98	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.61	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.46	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.09	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	15.02	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.25	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.50	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.93	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.29	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.78	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	15.34	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.13	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.93	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	15.97	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	20.00	
		For Mechanically Fastened To Concrete, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*5.16*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.73*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.41	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.99	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.38	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.35	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.75	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.29*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.41	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.81	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.83	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	16.23	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	18.11	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	6.72	
		For Mechanically Fastened To Concrete, Add	*2.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.05*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	9.68	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	11.05	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	14.11	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	15.53	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.98*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.98*	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	18.81	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	11.08	
		For Mechanically Fastened To Concrete, Add	*2.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.02*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	15.51	
		For Mechanically Fastened To Concrete, Add	*2.22*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.51*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.56*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	20.20	
		For Mechanically Fastened To Concrete, Add	*2.28*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	25.15	
		For Mechanically Fastened To Concrete, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*5.16*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.73*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.63*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.77
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.80
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.81
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.85
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.86
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.89
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.90
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.93
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.95
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.97
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.99
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	1.02
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	1.04

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		4.48
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.84*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.70*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.07
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.87*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.72*	
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.64
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.05*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.87*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		6.21
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.14*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*3.01*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		6.78
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.14*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*3.01*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		7.90
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.38*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*3.20*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat		6.02
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat		6.63
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat		8.27
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat		8.77
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)		2.94
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.39	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.83	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.77	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0019		**Finish Coats For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
		Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.04	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.14	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.85	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.49	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.86	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	6.49	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	5.24	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	5.90	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.56	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.40*	
07 24 13 00-0029		**Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.51	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.54	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0032		**Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.04	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.50	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	

07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	3.08	
		For Up To 100, Add	*0.62*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	

07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.45	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.79	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.19	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	6.02	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.79	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.19	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.58	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.50	

07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	8.27	
		For Up To 100, Add	*4.14*	
		For >100 To 500, Add	*2.07*	
		For >5,000, Deduct	*-0.83*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	36.26
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	33.93
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	41.40
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	52.37
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	31.53
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	106.56
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	156.71
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	223.11
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	306.10
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	83.51

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	14.65	4.12
		For Up To 50, Add	*5.43*	
		For >50 To 200, Add	*3.08*	
		For >200 To 500, Add	*1.14*	
		For >2,500, Deduct	*-0.73*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	15.86	4.12
		For Up To 50, Add	*5.93*	
		For >50 To 200, Add	*3.36*	
		For >200 To 500, Add	*1.24*	
		For >2,500, Deduct	*-0.79*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	5.95	2.74
		For Up To 50, Add	*2.89*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.55*	
		For >2,500, Deduct	*-0.30*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	10.89	4.12
		For Up To 50, Add	*5.18*	
		For >50 To 200, Add	*2.86*	
		For >200 To 500, Add	*0.99*	
		For >2,500, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	7.24	2.74
		For Up To 50, Add	*3.09*	
		For >50 To 200, Add	*1.72*	
		For >200 To 500, Add	*0.61*	
		For >2,500, Deduct	*-0.36*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	11.09	2.74
		For Up To 50, Add	*3.50*	
		For >50 To 200, Add	*2.03*	
		For >200 To 500, Add	*0.78*	
		For >2,500, Deduct	*-0.55*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.43
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.63
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.70
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.75

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	358.95	254.59
		For >35 To 75, Deduct	*-12.74*	
		For >75 To 100, Deduct	*-21.08*	
		For >100 To 200, Deduct	*-31.96*	
		For >200, Deduct	*-48.64*	
		For Steep Roof, Over 7 To 12, Add	*74.09*	
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	376.48	267.37
		For >35 To 75, Deduct	*-13.34*	
		For >75 To 100, Deduct	*-22.09*	
		For >100 To 200, Deduct	*-33.50*	
		For >200, Deduct	*-50.99*	
		For Steep Roof, Over 7 To 12, Add	*77.78*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	431.07	280.70
		For >35 To 75, Deduct	*-17.58*	
		For >75 To 100, Deduct	*-27.48*	
		For >100 To 200, Deduct	*-40.89*	
		For >200, Deduct	*-60.69*	
		For Steep Roof, Over 7 To 12, Add	*81.69*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	448.86	325.01
		For >35 To 75, Deduct	*-15.34*	
		For >75 To 100, Deduct	*-25.80*	
		For >100 To 200, Deduct	*-39.32*	
		For >200, Deduct	*-60.23*	
		For Steep Roof, Over 7 To 12, Add	*94.53*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	469.59	309.46
		For >35 To 75, Deduct	*-18.82*	
		For >75 To 100, Deduct	*-29.62*	
		For >100 To 200, Deduct	*-44.18*	
		For >200, Deduct	*-65.78*	
		For Steep Roof, Over 7 To 12, Add	*90.05*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	509.66	341.26
		For >35 To 75, Deduct	*-19.94*	
		For >75 To 100, Deduct	*-31.68*	
		For >100 To 200, Deduct	*-47.41*	
		For >200, Deduct	*-70.90*	
		For Steep Roof, Over 7 To 12, Add	*99.29*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	486.51	294.73
		For >35 To 75, Deduct	*-21.86*	
		For >75 To 100, Deduct	*-32.93*	
		For >100 To 200, Deduct	*-48.37*	
		For >200, Deduct	*-70.51*	
		For Steep Roof, Over 7 To 12, Add	*85.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	550.99	358.35
		For >35 To 75, Deduct	*-22.53*	
		For >75 To 100, Deduct	*-35.18*	
		For >100 To 200, Deduct	*-52.33*	
		For >200, Deduct	*-77.63*	
		For Steep Roof, Over 7 To 12, Add	*104.23*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	584.01	358.35
		For >35 To 75, Deduct	*-25.83*	
		For >75 To 100, Deduct	*-39.14*	
		For >100 To 200, Deduct	*-57.61*	
		For >200, Deduct	*-84.23*	
		For Steep Roof, Over 7 To 12, Add	*104.23*	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	638.39	395.01
		For >35 To 75, Deduct	*-27.92*	
		For >75 To 100, Deduct	*-42.48*	
		For >100 To 200, Deduct	*-62.63*	
		For >200, Deduct	*-91.76*	
		For Steep Roof, Over 7 To 12, Add	*114.94*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	630.58	376.26
		For >35 To 75, Deduct	*-28.86*	
		For >75 To 100, Deduct	*-43.18*	
		For >100 To 200, Deduct	*-63.28*	
		For >200, Deduct	*-91.92*	
		For Steep Roof, Over 7 To 12, Add	*109.43*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	624.61	358.35
		For >35 To 75, Deduct	*-29.89*	
		For >75 To 100, Deduct	*-44.01*	
		For >100 To 200, Deduct	*-64.11*	
		For >200, Deduct	*-92.35*	
		For Steep Roof, Over 7 To 12, Add	*104.23*	
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	727.29	395.01
		For >35 To 75, Deduct	*-36.81*	
		For >75 To 100, Deduct	*-53.15*	
		For >100 To 200, Deduct	*-76.86*	
		For >200, Deduct	*-109.54*	
		For Steep Roof, Over 7 To 12, Add	*114.94*	
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	750.44	395.01
		For >35 To 75, Deduct	*-39.13*	
		For >75 To 100, Deduct	*-55.93*	
		For >100 To 200, Deduct	*-80.56*	
		For >200, Deduct	*-114.17*	
		For Steep Roof, Over 7 To 12, Add	*114.94*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	833.17	435.57
		For >35 To 75, Deduct	*-43.72*	
		For >75 To 100, Deduct	*-62.36*	
		For >100 To 200, Deduct	*-89.75*	
		For >200, Deduct	*-127.04*	
		For Steep Roof, Over 7 To 12, Add	*126.72*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	818.28	414.73
		For >35 To 75, Deduct	*-44.12*	
		For >75 To 100, Deduct	*-62.37*	
		For >100 To 200, Deduct	*-89.44*	
		For >200, Deduct	*-125.95*	
		For Steep Roof, Over 7 To 12, Add	*120.67*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	9.73	1.53
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	5.12	3.79
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	6.13	4.21
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	118.06	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	829.09	247.35
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	1,078.71	270.34
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	14.37	3.56
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	14.91	3.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	10.29	3.56
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	11.38	3.56

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	627.97	210.02
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-8.31*	
		For >75 To 100, Deduct	*-25.05*	
		For >100 To 200, Deduct	*-43.87*	
		For >200, Deduct	*-60.61*	
		For Steep Roof, Over 7 To 12, Add	*134.43*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	607.27	208.34
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-7.63*	
		For >75 To 100, Deduct	*-23.77*	
		For >100 To 200, Deduct	*-41.81*	
		For >200, Deduct	*-57.94*	
		For Steep Roof, Over 7 To 12, Add	*133.29*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	931.01	210.02
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-20.44*	
		For >75 To 100, Deduct	*-46.27*	
		For >100 To 200, Deduct	*-77.21*	
		For >200, Deduct	*-103.03*	
		For Steep Roof, Over 7 To 12, Add	*134.43*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	864.45	208.34
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-17.92*	
		For >75 To 100, Deduct	*-41.77*	
		For >100 To 200, Deduct	*-70.10*	
		For >200, Deduct	*-93.95*	
		For Steep Roof, Over 7 To 12, Add	*133.29*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	9.88	2.80
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.18*	
		For >75 To 100, Deduct	*-0.44*	
		For >100 To 200, Deduct	*-0.76*	
		For >200, Deduct	*-1.03*	
		For Steep Roof, Over 7 To 12, Add	*1.76*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,298.33	358.19
		For >50 To 75, Deduct	*-20.10*	
		For >75 To 100, Deduct	*-55.07*	
		For >100 To 200, Deduct	*-95.06*	
		For >200, Deduct	*-130.03*	
		For Graduated Shapes, Add	*75.36*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,432.28	358.19
		For >50 To 75, Deduct	*-25.45*	
		For >75 To 100, Deduct	*-64.44*	
		For >100 To 200, Deduct	*-109.80*	
		For >200, Deduct	*-148.78*	
		For Graduated Shapes, Add	*95.45*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,392.09	358.19
		For >50 To 75, Deduct	*-23.85*	
		For >75 To 100, Deduct	*-61.63*	
		For >100 To 200, Deduct	*-105.37*	
		For >200, Deduct	*-143.16*	
		For Graduated Shapes, Add	*89.42*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,405.49	358.19
		For >50 To 75, Deduct	*-24.38*	
		For >75 To 100, Deduct	*-62.57*	
		For >100 To 200, Deduct	*-106.85*	
		For >200, Deduct	*-145.03*	
		For Graduated Shapes, Add	*91.43*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,459.06	358.19
		For >50 To 75, Deduct	*-26.53*	
		For >75 To 100, Deduct	*-66.32*	
		For >100 To 200, Deduct	*-112.74*	
		For >200, Deduct	*-152.53*	
		For Graduated Shapes, Add	*99.47*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,392.09	358.19
		For >50 To 75, Deduct	*-23.85*	
		For >75 To 100, Deduct	*-61.63*	
		For >100 To 200, Deduct	*-105.37*	
		For >200, Deduct	*-143.16*	
		For Graduated Shapes, Add	*89.42*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,351.91	358.19
		For >50 To 75, Deduct	*-22.24*	
		For >75 To 100, Deduct	*-58.82*	
		For >100 To 200, Deduct	*-100.95*	
		For >200, Deduct	*-137.53*	
		For Graduated Shapes, Add	*83.40*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,188.86	358.19
		For >50 To 75, Deduct	*-55.72*	
		For >75 To 100, Deduct	*-117.40*	
		For >100 To 200, Deduct	*-193.02*	
		For >200, Deduct	*-254.70*	
		For Graduated Shapes, Add	*208.94*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,392.09	358.19
		For >50 To 75, Deduct	*-23.85*	
		For >75 To 100, Deduct	*-61.63*	
		For >100 To 200, Deduct	*-105.37*	
		For >200, Deduct	*-143.16*	
		For Graduated Shapes, Add	*89.42*	
		For Steep Roof, Over 7 To 12, Add	*254.70*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,043.89	274.94
		For Steep Roof, Over 7 To 12, Add	*175.96*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.10*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	758.23	206.20
		For Steep Roof, Over 7 To 12, Add	*131.97*	
		For Pressure-Impregnated Treated (Preservative), Add	*51.87*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	924.34	233.70
		For Steep Roof, Over 7 To 12, Add	*149.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.54*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	757.34	192.45
		For Steep Roof, Over 7 To 12, Add	*123.17*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.86*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	986.80	182.15
		For Steep Roof, Over 7 To 12, Add	*116.57*	
		For Pressure-Impregnated Treated (Preservative), Add	*93.38*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	766.85	154.65
		For Steep Roof, Over 7 To 12, Add	*98.98*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.63*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	741.89	247.44
		For Pressure-Impregnated Treated (Preservative), Add	*37.05*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	724.23	233.70
		For Pressure-Impregnated Treated (Preservative), Add	*38.53*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	732.35	202.77
		For Pressure-Impregnated Treated (Preservative), Add	*49.02*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	976.39	288.68
		For Steep Roof, Over 7 To 12, Add	*184.76*	
		For Pressure-Impregnated Treated (Preservative), Add	*59.85*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	871.52	261.19
		For Steep Roof, Over 7 To 12, Add	*167.16*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.37*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	925.99	261.19
		For Steep Roof, Over 7 To 12, Add	*167.16*	
		For Pressure-Impregnated Treated (Preservative), Add	*60.54*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	826.43	233.70
		For Steep Roof, Over 7 To 12, Add	*149.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.86*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	798.60	182.15
		For Steep Roof, Over 7 To 12, Add	*116.57*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	654.45	158.09
		For Steep Roof, Over 7 To 12, Add	*101.17*	
		For Pressure-Impregnated Treated (Preservative), Add	*50.74*	
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	721.89	261.19
		For Pressure-Impregnated Treated (Preservative), Add	*29.93*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	696.68	247.44
		For Pressure-Impregnated Treated (Preservative), Add	*30.27*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	667.90	219.95
		For Pressure-Impregnated Treated (Preservative), Add	*34.20*	
07 31 29 16		**Wood Shakes** *(07 31 29)*		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes *(07 31 29 16)*		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	765.99	223.39
		For Steep Roof, Over 7 To 12, Add	*142.97*	
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	872.39	223.39
		For Steep Roof, Over 7 To 12, Add	*142.97*	
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	803.21	182.15
		For Steep Roof, Over 7 To 12, Add	*116.57*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	848.43	182.15
		For Steep Roof, Over 7 To 12, Add	*116.57*	
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	800.36	240.57
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	906.76	240.57
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	851.33	206.20
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	896.55	206.20
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		Wood Hip And Ridge Cap For Wood Shingles Or Shakes *(07 31 29 19)*		
07 31 29 19-0002	LF	Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	12.58	1.79
		For Steep Roof, Over 7 To 12, Add	*1.33*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.26*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	1,534.41	331.47
		For Purple Or Green Color, Add	*139.45*	
		For Brown Or Red Color, Add	*357.33*	
		For Steep Roof, Over 7 To 12, Add	*212.12*	
		For >50 To 75, Deduct	*-21.79*	
		For >75 To 100, Deduct	*-60.15*	
		For >100 To 200, Deduct	*-98.51*	
		For >200, Deduct	*-153.44*	
		For 6.5" Exposure, Add	*106.45*	
		For 6.0" Exposure, Add	*212.89*	
07 31 33 00-0002	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	2,115.44	331.47
		For Purple, Green, Brown Or Red, Add	*217.89*	
		For Steep Roof, Over 7 To 12, Add	*212.12*	
		For >50 To 75, Deduct	*-36.31*	
		For >75 To 100, Deduct	*-89.20*	
		For >100 To 200, Deduct	*-142.09*	
		For >200, Deduct	*-211.54*	
		For 6.5" Exposure, Add	*147.95*	
		For 6.0" Exposure, Add	*295.89*	
07 31 33 00-0003	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,773.66	331.47
		For Purple, Green, Brown Or Red, Add	*399.88*	
		For Steep Roof, Over 7 To 12, Add	*212.12*	
		For >50 To 75, Deduct	*-27.77*	
		For >75 To 100, Deduct	*-72.11*	
		For >100 To 200, Deduct	*-116.45*	
		For >200, Deduct	*-177.37*	
		For 6.5" Exposure, Add	*123.54*	
		For 6.0" Exposure, Add	*247.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0004	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	2,235.07	331.47
		For Purple, Green, Brown Or Red, Add	*172.94*	
		For Steep Roof, Over 7 To 12, Add	*212.12*	
		For >50 To 75, Deduct	*-39.31*	
		For >75 To 100, Deduct	*-95.18*	
		For >100 To 200, Deduct	*-151.06*	
		For >200, Deduct	*-223.51*	
		For 6.5" Exposure, Add	*156.49*	
		For 6.0" Exposure, Add	*312.98*	
07 31 33 00-0005	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	17.93	2.23

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,475.05	339.70
		For >25 To 50, Deduct	*-47.73*	
		For >50 To 75, Deduct	*-96.54*	
		For >75 To 100, Deduct	*-137.40*	
		For >100 To 200, Deduct	*-170.30*	
		For >200, Deduct	*-195.24*	
		For 20 Year Warranty, Add	*55.69*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,729.04	339.70
		For >25 To 50, Deduct	*-62.97*	
		For >50 To 75, Deduct	*-121.94*	
		For >75 To 100, Deduct	*-170.42*	
		For >100 To 200, Deduct	*-208.39*	
		For >200, Deduct	*-235.88*	
		For 20 Year Warranty, Add	*73.47*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,729.04	339.70
		For >25 To 50, Deduct	*-62.97*	
		For >50 To 75, Deduct	*-121.94*	
		For >75 To 100, Deduct	*-170.42*	
		For >100 To 200, Deduct	*-208.39*	
		For >200, Deduct	*-235.88*	
		For 20 Year Warranty, Add	*73.47*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,944.54	339.70
		For >25 To 50, Deduct	*-75.90*	
		For >50 To 75, Deduct	*-143.49*	
		For >75 To 100, Deduct	*-198.43*	
		For >100 To 200, Deduct	*-240.72*	
		For >200, Deduct	*-270.36*	
		For 20 Year Warranty, Add	*88.55*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,762.78	415.35
		For >25 To 50, Deduct	*-55.93*	
		For >50 To 75, Deduct	*-113.98*	
		For >75 To 100, Deduct	*-162.71*	
		For >100 To 200, Deduct	*-202.12*	
		For >200, Deduct	*-232.21*	
		For 20 Year Warranty, Add	*65.25*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,141.89	415.35
		For >25 To 50, Deduct	*-78.67*	
		For >50 To 75, Deduct	*-151.89*	
		For >75 To 100, Deduct	*-211.99*	
		For >100 To 200, Deduct	*-258.98*	
		For >200, Deduct	*-292.86*	
		For 20 Year Warranty, Add	*91.79*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,747.10	560.34
		For >25 To 50, Deduct	*-97.61*	
		For >50 To 75, Deduct	*-190.69*	
		For >75 To 100, Deduct	*-267.50*	
		For >100 To 200, Deduct	*-328.04*	
		For >200, Deduct	*-372.32*	
		For 20 Year Warranty, Add	*113.88*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,573.11	415.35
		For >25 To 50, Deduct	*-44.55*	
		For >50 To 75, Deduct	*-95.01*	
		For >75 To 100, Deduct	*-138.05*	
		For >100 To 200, Deduct	*-173.67*	
		For >200, Deduct	*-201.86*	
		For 20 Year Warranty, Add	*51.97*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,880.21	415.35
		For >25 To 50, Deduct	*-62.97*	
		For >50 To 75, Deduct	*-125.72*	
		For >75 To 100, Deduct	*-177.97*	
		For >100 To 200, Deduct	*-219.73*	
		For >200, Deduct	*-250.99*	
		For 20 Year Warranty, Add	*73.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,325.25	310.98
		For >25 To 50, Deduct	*-42.19*	
		For >50 To 75, Deduct	*-85.87*	
		For >75 To 100, Deduct	*-122.52*	
		For >100 To 200, Deduct	*-152.13*	
		For >200, Deduct	*-174.72*	
		For 20 Year Warranty, Add	*49.22*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,656.20	310.98
		For >25 To 50, Deduct	*-62.05*	
		For >50 To 75, Deduct	*-118.97*	
		For >75 To 100, Deduct	*-165.54*	
		For >100 To 200, Deduct	*-201.78*	
		For >200, Deduct	*-227.67*	
		For 20 Year Warranty, Add	*72.39*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,940.97	310.98
		For >25 To 50, Deduct	*-79.14*	
		For >50 To 75, Deduct	*-147.44*	
		For >75 To 100, Deduct	*-202.56*	
		For >100 To 200, Deduct	*-244.49*	
		For >200, Deduct	*-273.23*	
		For 20 Year Warranty, Add	*92.33*	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,409.34	487.49
		For >25 To 50, Deduct	*-86.06*	
		For >50 To 75, Deduct	*-167.81*	
		For >75 To 100, Deduct	*-235.22*	
		For >100 To 200, Deduct	*-288.28*	
		For >200, Deduct	*-327.00*	
		For 20 Year Warranty, Add	*100.41*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,144.10	339.70
		For >25 To 50, Deduct	*-27.88*	
		For >50 To 75, Deduct	*-63.45*	
		For >75 To 100, Deduct	*-94.37*	
		For >100 To 200, Deduct	*-120.65*	
		For >200, Deduct	*-142.29*	
		For 20 Year Warranty, Add	*32.52*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,543.49	487.49
		For >25 To 50, Deduct	*-34.11*	
		For >50 To 75, Deduct	*-81.23*	
		For >75 To 100, Deduct	*-122.66*	
		For >100 To 200, Deduct	*-158.40*	
		For >200, Deduct	*-188.46*	
		For 20 Year Warranty, Add	*39.80*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,332.82	514.94
		For >50 To 75, Deduct	*-12.11*	
		For >75 To 100, Deduct	*-46.95*	
		For >100 To 200, Deduct	*-84.81*	
		For >200, Deduct	*-119.64*	
		For Steep Roof, Over 7 To 12, Add	*329.61*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,631.90	514.94
		For >50 To 75, Deduct	*-24.07*	
		For >75 To 100, Deduct	*-67.88*	
		For >100 To 200, Deduct	*-117.71*	
		For >200, Deduct	*-161.51*	
		For Steep Roof, Over 7 To 12, Add	*329.61*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,392.63	514.94
		For >50 To 75, Deduct	*-14.50*	
		For >75 To 100, Deduct	*-51.13*	
		For >100 To 200, Deduct	*-91.39*	
		For >200, Deduct	*-128.02*	
		For Steep Roof, Over 7 To 12, Add	*329.61*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,299.16	460.73
		For >50 To 75, Deduct	*-15.10*	
		For >75 To 100, Deduct	*-49.47*	
		For >100 To 200, Deduct	*-87.61*	
		For >200, Deduct	*-121.98*	
		For Steep Roof, Over 7 To 12, Add	*294.91*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	5.05
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.32
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	5.02
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.75
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	5.98

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	46.39	10.68
		For Steep Roof, Over 7 To 12, Add	*6.84*	
		For >50 To 75, Deduct	*-1.00*	
		For >75 To 100, Deduct	*-2.29*	
		For >100 To 200, Deduct	*-3.82*	
		For >200, Deduct	*-5.64*	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	71.20	14.69
		For Steep Roof, Over 7 To 12, Add	*9.40*	
		For >50 To 75, Deduct	*-1.67*	
		For >75 To 100, Deduct	*-3.66*	
		For >100 To 200, Deduct	*-6.07*	
		For >200, Deduct	*-8.79*	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	79.08	14.69
		For Steep Roof, Over 7 To 12, Add	*9.40*	
		For >50 To 75, Deduct	*-1.99*	
		For >75 To 100, Deduct	*-4.21*	
		For >100 To 200, Deduct	*-6.94*	
		For >200, Deduct	*-9.90*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	89.17	22.26
		For Steep Roof, Over 7 To 12, Add	*14.24*	
		For >50 To 75, Deduct	*-1.79*	
		For >75 To 100, Deduct	*-4.24*	
		For >100 To 200, Deduct	*-7.14*	
		For >200, Deduct	*-10.70*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	98.49	22.26
		For Steep Roof, Over 7 To 12, Add	*14.24*	
		For >50 To 75, Deduct	*-2.16*	
		For >75 To 100, Deduct	*-4.89*	
		For >100 To 200, Deduct	*-8.16*	
		For >200, Deduct	*-12.01*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	113.86	22.26
		For Steep Roof, Over 7 To 12, Add	*14.24*	
		For >50 To 75, Deduct	*-2.77*	
		For >75 To 100, Deduct	*-5.97*	
		For >100 To 200, Deduct	*-9.85*	
		For >200, Deduct	*-14.16*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	106.18	22.26
		For Steep Roof, Over 7 To 12, Add	*14.24*	
		For >50 To 75, Deduct	*-2.47*	
		For >75 To 100, Deduct	*-5.43*	
		For >100 To 200, Deduct	*-9.01*	
		For >200, Deduct	*-13.08*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	181.52	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-5.10*	
		For >75 To 100, Deduct	*-10.28*	
		For >100 To 200, Deduct	*-16.73*	
		For >200, Deduct	*-23.25*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	270.61	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-8.67*	
		For >75 To 100, Deduct	*-16.51*	
		For >100 To 200, Deduct	*-26.53*	
		For >200, Deduct	*-35.73*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	192.54	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-5.54*	
		For >75 To 100, Deduct	*-11.05*	
		For >100 To 200, Deduct	*-17.94*	
		For >200, Deduct	*-24.80*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	181.52	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-5.10*	
		For >75 To 100, Deduct	*-10.28*	
		For >100 To 200, Deduct	*-16.73*	
		For >200, Deduct	*-23.25*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	257.76	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-8.15*	
		For >75 To 100, Deduct	*-15.61*	
		For >100 To 200, Deduct	*-25.12*	
		For >200, Deduct	*-33.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	217.50	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-6.54*	
		For >75 To 100, Deduct	*-12.80*	
		For >100 To 200, Deduct	*-20.69*	
		For >200, Deduct	*-28.29*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	321.24	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-10.69*	
		For >75 To 100, Deduct	*-20.06*	
		For >100 To 200, Deduct	*-32.10*	
		For >200, Deduct	*-42.81*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	366.68	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-12.51*	
		For >75 To 100, Deduct	*-23.24*	
		For >100 To 200, Deduct	*-37.10*	
		For >200, Deduct	*-49.18*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	537.16	27.00
		For Steep Roof, Over 7 To 12, Add	*17.27*	
		For >50 To 75, Deduct	*-19.33*	
		For >75 To 100, Deduct	*-35.17*	
		For >100 To 200, Deduct	*-55.85*	
		For >200, Deduct	*-73.04*	

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.66	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.19	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.87	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.54	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.27	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.04	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.95	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	29.16	3.26
		For Steep Roof, Over 7 To 12, Add	*4.21*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.60*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	18.26	2.13
		For Steep Roof, Over 7 To 12, Add	*2.81*	
		For Fluoropolymer (Kynar®) Coating, Add	*0.95*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	35.45	3.26
		For Steep Roof, Over 7 To 12, Add	*4.21*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.23*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	29.74	3.26
		For Steep Roof, Over 7 To 12, Add	*4.21*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.73	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.17	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	9.22	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	10.63	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	12.03	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	13.79	3.13
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.60*	
07 41 13 00-0024		**Aluminum Exposed Fastener Metal Roof Accessories** *(07 41 13 00-0016)*		
07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	33.02	3.26
		For Steep Roof, Over 7 To 12, Add	*4.21*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.99*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing	20.48	2.26
		For Steep Roof, Over 7 To 12, Add	*2.81*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.17*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	40.88	3.26
		For Steep Roof, Over 7 To 12, Add	*4.21*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.77*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	33.74	3.26
		For Steep Roof, Over 7 To 12, Add	*4.21*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.06*	
07 41 13 00-0029		**Standing Seam Roofs** *(07 41 13)*		
		Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
		Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.93	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Up To 1,500, Add	*3.48*	
		For >1,500 To 5,000, Add	*2.09*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.62	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.96*	
		For 140 MPH Wind Load, Add	*0.82*	
		For Up To 1,500, Add	*3.66*	
		For >1,500 To 5,000, Add	*2.19*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.33	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.89*	
		For 140 MPH Wind Load, Add	*0.80*	
		For Up To 1,500, Add	*3.33*	
		For >1,500 To 5,000, Add	*2.00*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.57	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.91*	
		For 140 MPH Wind Load, Add	*0.80*	
		For Up To 1,500, Add	*3.39*	
		For >1,500 To 5,000, Add	*2.04*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.84	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Up To 1,500, Add	*3.46*	
		For >1,500 To 5,000, Add	*2.08*	
		For >5,000 To 10,000, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.84	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.97*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Up To 1,500, Add	*3.71*	
		For >1,500 To 5,000, Add	*2.23*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0038		**Accessories For Galvanized Steel Standing Seam Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.76	3.26
		For Steep Roof, Over 6 To 12, Add	*3.95*	
		For 140 MPH Wind Load, Add	*1.67*	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	19.21	2.26
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For 140 MPH Wind Load, Add	*1.09*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	37.68	3.26
		For Steep Roof, Over 6 To 12, Add	*3.95*	
		For 140 MPH Wind Load, Add	*1.81*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.39	3.26
		For Steep Roof, Over 6 To 12, Add	*3.95*	
		For 140 MPH Wind Load, Add	*1.68*	
07 41 13 00-0043		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
		Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.41	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.95*	
		For 140 MPH Wind Load, Add	*0.82*	
		For Up To 1,500, Add	*3.60*	
		For >1,500 To 5,000, Add	*2.16*	
		For >5,000 To 10,000, Add	*0.36*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.00	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.98*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Up To 1,500, Add	*3.75*	
		For >1,500 To 5,000, Add	*2.25*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.08	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.93*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Up To 1,500, Add	*3.52*	
		For >1,500 To 5,000, Add	*2.11*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.16	3.33
		For Steep Roof, Over 6 To 12, Add	*1.99*	
		For Panels <16" Wide, Add	*1.99*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Up To 1,500, Add	*3.79*	
		For >1,500 To 5,000, Add	*2.27*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0049		**Accessories For Aluminum Standing Seam Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.00	3.26
		For Steep Roof, Over 6 To 12, Add	*3.95*	
		For 140 MPH Wind Load, Add	*1.75*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	21.65	2.26
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For 140 MPH Wind Load, Add	*1.13*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	43.65	3.26
		For Steep Roof, Over 6 To 12, Add	*3.95*	
		For 140 MPH Wind Load, Add	*1.93*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.79	3.26
		For Steep Roof, Over 6 To 12, Add	*3.95*	
		For 140 MPH Wind Load, Add	*1.77*	
07 41 13 00-0054		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
07 41 13 00-0055		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	26.75	3.98
		For Steep Roof, Over 6 To 12, Add	*2.99*	
		For Panels <16" Wide, Add	*3.18*	
		For 140 MPH Wind Load, Add	*1.33*	
		For Up To 1,500, Add	*6.69*	
		For >1,500 To 5,000, Add	*4.01*	
		For >5,000 To 10,000, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	30.32	3.98
		For Steep Roof, Over 6 To 12, Add	*2.99*	
		For Panels <16" Wide, Add	*3.36*	
		For 140 MPH Wind Load, Add	*1.40*	
		For Up To 1,500, Add	*7.58*	
		For >1,500 To 5,000, Add	*4.55*	
		For >5,000 To 10,000, Add	*0.76*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.55	3.98
		For Steep Roof, Over 6 To 12, Add	*2.99*	
		For Panels <16" Wide, Add	*3.57*	
		For 140 MPH Wind Load, Add	*1.49*	
		For Up To 1,500, Add	*8.64*	
		For >1,500 To 5,000, Add	*5.18*	
		For >5,000 To 10,000, Add	*0.86*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.98	3.98
		For Steep Roof, Over 6 To 12, Add	*2.99*	
		For Panels <16" Wide, Add	*3.84*	
		For 140 MPH Wind Load, Add	*1.60*	
		For Up To 1,500, Add	*10.00*	
		For >1,500 To 5,000, Add	*6.00*	
		For >5,000 To 10,000, Add	*1.00*	

07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	80.06	3.64
		For Steep Roof, Over 6 To 12, Add	*4.36*	
		For 140 MPH Wind Load, Add	*2.76*	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.45	2.38
		For Steep Roof, Over 6 To 12, Add	*2.90*	
		For 140 MPH Wind Load, Add	*1.64*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	109.94	3.64
		For Steep Roof, Over 6 To 12, Add	*4.32*	
		For 140 MPH Wind Load, Add	*3.35*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	82.43	3.64
		For Steep Roof, Over 6 To 12, Add	*4.36*	
		For 140 MPH Wind Load, Add	*2.81*	

07 41 13 00-0065 Metal Roof Surfacing *(07 41 13)*

07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.86	
		For Steep Roof, Over 7 To 12, Add	*0.19*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	1.11	
		For Steep Roof, Over 7 To 12, Add	*0.19*	

07 41 33 Plastic Roof Panels *(07 41)*

07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*

07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*

07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	7.93	2.98
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	7.47	2.68
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	8.15	2.98
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	7.65	2.68

07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*

07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	5.05	2.24
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	6.70	2.24
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	7.17	2.24
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	5.89	2.24

07 41 33 00-0012 Fiberglass Roofing Panel *(07 41 33)*

07 41 33 00-0013 Corrugated Panels *(07 41 33 00-0012)*

07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	8.69	2.39
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	9.96	2.39

07 42 Wall Panels *(07 40)*

07 42 13 Metal Wall Panels *(07 42)*

07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	41.35	5.50
		For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	44.61	6.18
		For Non-Insulated Panels, Deduct	*-8.09*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 19-0004		SF	1-3/4" Insulated Panel For Sash Or Window Replacement	47.65	6.88
			For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005		SF	2-1/4" Insulated Panel For Sash Or Window Replacement	50.84	7.15
			For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006		SF	3-1/4" Insulated Panel For Sash Or Window Replacement	58.05	7.83
			For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007		SF	4-1/4" Insulated Panel For Sash Or Window Replacement	68.09	8.66
			For Non-Insulated Panels, Deduct	*-12.73*	

07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.

07 42 13 23-0002		SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	24.29	2.88
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
			For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003		SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	27.26	3.26
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
			For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004		SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	29.77	3.70
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
			For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005		SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	33.21	4.89
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
			For Premium Exterior Colors, Add	*0.12*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003		SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	23.58	2.07
07 42 63 00-0004		SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	24.97	2.07
07 42 63 00-0005		SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	29.71	2.07
07 42 63 00-0006		SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	32.16	2.21
07 42 63 00-0007		SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	34.16	2.21
07 42 63 00-0008		SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	21.13	1.71
07 42 63 00-0009		SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	22.99	1.71
07 42 63 00-0010		SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	27.71	1.83
07 42 63 00-0011		SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	26.88	1.83
07 42 63 00-0012		SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	31.62	1.83

07 42 63 00-0013 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014		SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	25.51	2.07
07 42 63 00-0015		SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	27.45	2.07
07 42 63 00-0016		SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	32.42	2.07
07 42 63 00-0017		SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	35.47	2.21
07 42 63 00-0018		SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	37.56	2.21
07 42 63 00-0019		SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	22.97	1.71
07 42 63 00-0020		SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	24.92	1.71
07 42 63 00-0021		SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	26.94	1.83
07 42 63 00-0022		SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	31.91	1.83
07 42 63 00-0023		SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	34.93	1.83

07 42 93 Soffit Panels *(07 42)*

07 42 93 00-0001 Aluminum Soffit And Fascia *(07 42 93)*

Note: Excludes J-channel.

07 42 93 00-0002		LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.42	1.93
			For 0.015" Thick, Deduct	*-0.11*	
07 42 93 00-0003		LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.64	2.02
			For 0.015" Thick, Deduct	*-0.17*	
07 42 93 00-0004		LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.27	2.08
			For 0.015" Thick, Deduct	*-0.21*	
07 42 93 00-0005		LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.03	2.19
			For 0.015" Thick, Deduct	*-0.34*	
07 42 93 00-0006		LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	11.02	2.39
			For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007		LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.60	2.65
			For 0.015" Thick, Deduct	*-0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.25	2.91
		For 0.015" Thick, Deduct	*-0.89*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	21.94	3.19
		For 0.015" Thick, Deduct	*-1.12*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.30	1.89
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	6.88	1.93
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	8.03	1.98
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.27	2.02

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding *(07 46 16)*

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	13.58	4.49
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	13.76	4.49
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	14.05	4.49

07 46 16 00-0005 Aluminum Siding Panels *(07 46 16)*

07 46 16 00-0006 Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.59	2.51
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.99	2.51
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	11.27	2.51
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.76	2.51

07 46 16 00-0011 V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.65	2.51
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	15.33	2.51
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	19.29	2.51

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.39	2.51
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	16.01	2.51
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.99	2.51

07 46 16 00-0019 Aluminum Siding Accessories *(07 46 16)*

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.23	1.79
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.23	1.79
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.94	1.79
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.54	1.79
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.54	1.79

07 46 19 Steel Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels *(07 46 19)*

07 46 19 00-0002 Corrugated Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.92	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.73*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.04	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.51*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	10.82	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.45*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.21	2.51
		For Galvanized Instead Of Painted Steel, Add	*0.80*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.03	2.51
		For Galvanized Instead Of Painted Steel, Add	*0.76*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.91	2.51
		For Galvanized Instead Of Painted Steel, Add	*0.73*	

07 46 19 00-0009 Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.26	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.56*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.86	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.46*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.60	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.15	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.29*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.21	2.51
		For Galvanized Instead Of Painted Steel, Add	*1.05*	

07 46 19 00-0015 Clapboard Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.65	1.25

07 46 23 Wood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding *(07 46 23)*

07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.59	1.86
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.06	1.98
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	5.56	2.10
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.85	1.86
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.29	1.86
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.26	1.86
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.63	1.86
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	6.10	1.86
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.79	1.98
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.79	1.98

07 46 23 00-0012 Tongue And Groove Siding *(07 46 23)*

07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.56	1.86
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	4.96	1.86
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.66	1.86
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.19	1.86

07 46 29 Plywood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding *(07 46 29)*

07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.21	0.97
		For Pressure Treated, Add	*0.18*	

07 46 33 Plastic Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding *(07 46 33)*

Note: Includes standard manufacturer's colors.

07 46 33 00-0002 Vinyl Siding Panels *(07 46 33 00-0001)*

Note: Excludes J-channels, starter strips and trim.

07 46 33 00-0003 Horizontal Vinyl Siding Panels *(07 46 33 00-0002)*

Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.

07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.22	2.35
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.95	2.21
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.74	2.11
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.53	2.01
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.26	1.87
		For 0.040" Thick, Deduct	*-0.22*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.73*	
		For Manufacturer's Custom Colors, Add	*0.08*	

07 46 33 00-0009 Vertical Vinyl Siding Panels *(07 46 33 00-0002)*

07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	7.39	2.35
		For Manufacturer's Custom Colors, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	7.46	1.79
		For Manufacturer's Custom Colors, Add	*0.19*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	13.35	1.79
		For Manufacturer's Custom Colors, Add	*0.49*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	5.98	1.79
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	7.22	1.79
		For Manufacturer's Custom Colors, Add	*0.18*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.50	1.79
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	4.22	1.79
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	4.16	1.79
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	4.34	1.79
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	5.12	1.79
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.55	1.79
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	6.25	1.79
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	4.24	1.79
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.53	2.49
		For Manufacturer's Custom Colors, Add	*0.23*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	9.94	2.49
		For Manufacturer's Custom Colors, Add	*0.25*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.86	2.49
		For Manufacturer's Custom Colors, Add	*0.29*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.74	1.79
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	7.04	1.79
		For Manufacturer's Custom Colors, Add	*0.17*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	6.10	1.79
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.25	1.93
		For 0.038" Thick, Deduct	*-0.62*	
		For 0.040" Thick, Deduct	*-0.52*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.37	2.02
		For 0.038" Thick, Deduct	*-1.06*	
		For 0.040" Thick, Deduct	*-0.89*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.94	2.08
		For 0.038" Thick, Deduct	*-1.26*	
		For 0.040" Thick, Deduct	*-1.07*	
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.53	2.19
		For 0.038" Thick, Deduct	*-1.90*	
		For 0.040" Thick, Deduct	*-1.59*	
		For Manufacturer's Custom Colors, Add	*0.21*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	10.36	2.39
		For 0.038" Thick, Deduct	*-2.54*	
		For 0.040" Thick, Deduct	*-2.14*	
		For Manufacturer's Custom Colors, Add	*0.28*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	13.61	2.65
		For 0.038" Thick, Deduct	*-3.83*	
		For 0.040" Thick, Deduct	*-3.20*	
		For Manufacturer's Custom Colors, Add	*0.42*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	16.92	2.91
		For 0.038" Thick, Deduct	*-5.11*	
		For 0.040" Thick, Deduct	*-4.27*	
		For Manufacturer's Custom Colors, Add	*0.56*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	20.28	3.19
		For 0.038" Thick, Deduct	*-6.39*	
		For 0.040" Thick, Deduct	*-5.34*	
		For Manufacturer's Custom Colors, Add	*0.70*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.43	1.89
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	6.02	1.93
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	5.96	1.98
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	6.77	2.02
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0043		**Fiberglass Siding** *(07 46 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	8.35	2.77
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	8.88	2.49
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	9.85	2.49
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	8.01	2.49
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	8.88	2.49
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.76	2.91
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.38	2.77
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.22	2.70
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.05	2.63
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.73	2.49
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.41	2.35
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.69	0.69
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	11.09	2.56
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.69	2.08
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.72	1.39
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.62	1.52
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.49	1.66
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	7.11	1.94
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.88	1.39
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.86	1.52
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	5.89	1.66
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	6.24	1.94
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	4.07	1.39
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	5.21	1.52
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.40	1.66
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.42	1.94
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	6.99	2.74
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	8.49	3.06
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	9.23	3.06
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	11.92	3.59
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	8.09	1.98
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	8.63	1.98
07 46 63		**Fabricated Panel Assemblies with Siding** *(07 46)*		
07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized Metal Liner Panels *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.12	2.17
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	12.20	2.17
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	14.10	2.17
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	14.30	2.17

07 50 Membrane Roofing *(07)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied		133.99	
		For Up To 10, Add		*36.06*	
		For >10 To 20, Add		*20.34*	
		For >20 To 40, Add		*11.33*	
		For >75 To 100, Deduct		*-5.66*	
		For >100 To 200, Deduct		*-12.49*	
		For >200, Deduct		*-18.15*	
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied		362.57	
		For Up To 10, Add		*81.77*	
		For >10 To 20, Add		*43.20*	
		For >20 To 40, Add		*22.76*	
		For >75 To 100, Deduct		*-11.38*	
		For >100 To 200, Deduct		*-23.91*	
		For >200, Deduct		*-35.29*	

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied		8.84	

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped		99.80	
		For Up To 10, Add		*29.34*	
		For >10 To 20, Add		*17.02*	
		For >20 To 40, Add		*9.68*	
		For >75 To 100, Deduct		*-4.84*	
		For >100 To 200, Deduct		*-10.85*	
		For >200, Deduct		*-15.69*	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped		106.32	
		For Up To 10, Add		*30.65*	
		For >10 To 20, Add		*17.67*	
		For >20 To 40, Add		*10.01*	
		For >75 To 100, Deduct		*-5.00*	
		For >100 To 200, Deduct		*-11.18*	
		For >200, Deduct		*-16.18*	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped		113.73	
		For Up To 10, Add		*32.13*	
		For >10 To 20, Add		*18.41*	
		For >20 To 40, Add		*10.38*	
		For >75 To 100, Deduct		*-5.19*	
		For >100 To 200, Deduct		*-11.55*	
		For >200, Deduct		*-16.74*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped		195.86	
		For Up To 10, Add		*48.55*	
		For >10 To 20, Add		*26.62*	
		For >20 To 40, Add		*14.48*	
		For >75 To 100, Deduct		*-7.24*	
		For >100 To 200, Deduct		*-15.66*	
		For >200, Deduct		*-22.90*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped		328.39	
		For Up To 10, Add		*75.06*	
		For >10 To 20, Add		*39.88*	
		For >20 To 40, Add		*21.11*	
		For >75 To 100, Deduct		*-10.56*	
		For >100 To 200, Deduct		*-22.28*	
		For >200, Deduct		*-32.84*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped		250.44	
		For Up To 10, Add		*60.36*	
		For >10 To 20, Add		*32.75*	
		For >20 To 40, Add		*17.66*	
		For >75 To 100, Deduct		*-8.83*	
		For >100 To 200, Deduct		*-18.94*	
		For >200, Deduct		*-27.77*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.72	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	102.54	
		For Up To 10, Add	*25.13*	
		For >10 To 20, Add	*13.72*	
		For >20 To 40, Add	*7.44*	
		For >75 To 100, Deduct	*-3.72*	
		For >100 To 200, Deduct	*-8.02*	
		For >200, Deduct	*-11.74*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	192.08	
		For Up To 10, Add	*43.04*	
		For >10 To 20, Add	*22.68*	
		For >20 To 40, Add	*11.92*	
		For >75 To 100, Deduct	*-5.96*	
		For >100 To 200, Deduct	*-12.49*	
		For >200, Deduct	*-18.45*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	324.61	
		For Up To 10, Add	*69.55*	
		For >10 To 20, Add	*35.93*	
		For >20 To 40, Add	*18.54*	
		For >75 To 100, Deduct	*-9.27*	
		For >100 To 200, Deduct	*-19.12*	
		For >200, Deduct	*-28.39*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.87	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	129.92	
		For Up To 10, Add	*35.24*	
		For >10 To 20, Add	*19.94*	
		For >20 To 40, Add	*11.13*	
		For >75 To 100, Deduct	*-5.56*	
		For >100 To 200, Deduct	*-12.28*	
		For >200, Deduct	*-17.84*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	146.72	
		For Up To 10, Add	*38.60*	
		For >10 To 20, Add	*21.62*	
		For >20 To 40, Add	*11.97*	
		For >75 To 100, Deduct	*-5.98*	
		For >100 To 200, Deduct	*-13.12*	
		For >200, Deduct	*-19.10*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	95.73	
		For Up To 10, Add	*28.53*	
		For >10 To 20, Add	*16.61*	
		For >20 To 40, Add	*9.48*	
		For >75 To 100, Deduct	*-4.74*	
		For >100 To 200, Deduct	*-10.65*	
		For >200, Deduct	*-15.39*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	112.53	
		For Up To 10, Add	*31.89*	
		For >10 To 20, Add	*18.29*	
		For >20 To 40, Add	*10.32*	
		For >75 To 100, Deduct	*-5.16*	
		For >100 To 200, Deduct	*-11.49*	
		For >200, Deduct	*-16.65*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	48.14	
		For Up To 10, Add	*14.25*	
		For >10 To 20, Add	*8.28*	
		For >20 To 40, Add	*4.72*	
		For >75 To 100, Deduct	*-2.36*	
		For >100 To 200, Deduct	*-5.30*	
		For >200, Deduct	*-7.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	64.94	
		For Up To 10, Add	*17.61*	
		For >10 To 20, Add	*9.96*	
		For >20 To 40, Add	*5.56*	
		For >75 To 100, Deduct	*-2.78*	
		For >100 To 200, Deduct	*-6.14*	
		For >200, Deduct	*-8.92*	
07 51 13 00-0036		**Surfacing** *(07 51 13 00-0001)*		
07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	212.55	
		For Up To 10, Add	*65.66*	
		For >10 To 20, Add	*38.62*	
		For >20 To 40, Add	*22.20*	
		For >75 To 100, Deduct	*-11.10*	
		For >100 To 200, Deduct	*-25.10*	
		For >200, Deduct	*-36.20*	
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	311.46	
		For Up To 10, Add	*85.44*	
		For >10 To 20, Add	*48.51*	
		For >20 To 40, Add	*27.15*	
		For >75 To 100, Deduct	*-13.57*	
		For >100 To 200, Deduct	*-30.04*	
		For >200, Deduct	*-43.61*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	217.07	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	57.05	
		For Up To 10, Add	*14.46*	
		For >10 To 20, Add	*8.00*	
		For >20 To 40, Add	*4.38*	
		For >75 To 100, Deduct	*-2.19*	
		For >100 To 200, Deduct	*-4.76*	
		For >200, Deduct	*-6.95*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	149.39	
		For Up To 10, Add	*35.43*	
		For >10 To 20, Add	*19.11*	
		For >20 To 40, Add	*10.25*	
		For >75 To 100, Deduct	*-5.12*	
		For >100 To 200, Deduct	*-10.94*	
		For >200, Deduct	*-16.07*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	133.04	
		For Up To 10, Add	*32.16*	
		For >10 To 20, Add	*17.47*	
		For >20 To 40, Add	*9.43*	
		For >75 To 100, Deduct	*-4.72*	
		For >100 To 200, Deduct	*-10.12*	
		For >200, Deduct	*-14.84*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	177.67	
		For Up To 10, Add	*41.09*	
		For >10 To 20, Add	*21.93*	
		For >20 To 40, Add	*11.66*	
		For >75 To 100, Deduct	*-5.83*	
		For >100 To 200, Deduct	*-12.36*	
		For >200, Deduct	*-18.19*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	179.13	
		For Up To 10, Add	*41.38*	
		For >10 To 20, Add	*22.08*	
		For >20 To 40, Add	*11.73*	
		For >75 To 100, Deduct	*-5.87*	
		For >100 To 200, Deduct	*-12.43*	
		For >200, Deduct	*-18.30*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*52.72*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	185.14	
		For Up To 10, Add	*42.58*	
		For >10 To 20, Add	*22.68*	
		For >20 To 40, Add	*12.04*	
		For >75 To 100, Deduct	*-6.02*	
		For >100 To 200, Deduct	*-12.73*	
		For >200, Deduct	*-18.75*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*54.71*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	3.03	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	46.80	

07 51 13 00-0049 Walkway Pads *(07 51 13 00-0001)*

Note: Set in hot asphalt or cold adhesive.

07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	37.41	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	44.46	

07 51 13 00-0052 Cant And Tapered Edge Strips *(07 51 13 00-0001)*

07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	5.54	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	5.70	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	6.47	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	5.24	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	5.37	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	6.20	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	7.09	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	7.32	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	8.25	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	8.16	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	9.82	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	11.03	

07 51 13 00-0065 Asphalt Primer *(07 51 13 00-0001)*

07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	43.78	

07 51 13 00-0067 Demolish Built-Up Roofing *(07 51 13 00-0001)*

Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.

07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System		486.12
		For Up To 10, Add		*120.79*
		For >10 To 25, Add		*72.47*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.		375.01
		For Up To 10, Add		*93.18*
		For >10 To 25, Add		*55.91*

07 51 13 00-0070 Roofing System Warranty *(07 51 13 00-0001)*

Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.

07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	653.66	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.34	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	747.04	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.94	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,027.18	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	20.54	

07 51 13 00-0077 Built-Up Roofing Components (Tremco) *(07 51 13)*

Note: All tasks presented as a single layer. Adhesives are priced separately.

07 51 13 00-0078 Cold Applied BUR Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	152.57	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	184.53	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	211.98	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	48.68	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	70.10	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	287.79	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	266.30	

07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane *(07 51 13 00-0077)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	164.77	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	432.21	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	713.26	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	193.10	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	294.38	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	708.73	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	517.19	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	509.93	
07 51 13 00-0095		**Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	296.52	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	589.84	
07 51 13 00-0098		**Flashings** *(07 51 13 00-0077)*		
07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	19.25	
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	31.39	
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	41.69	
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	61.06	
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	100.73	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	15.45	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	25.30	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	33.71	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	49.18	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	82.85	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.65	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.83	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.77	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	17.43	
07 51 13 00-0113		**Cold Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	187.93	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	309.42	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	238.15	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	187.93	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	97.43	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	213.62	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	210.89	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	576.60	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	318.07	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	360.36	
07 51 13 00-0124		**Hot Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	70.94	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	128.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0127		**Flashings Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	24.67	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	31.86	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	20.35	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	7.84	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	8.03	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	7.88	
07 51 13 00-0134		**Surfacing** *(07 51 13 00-0077)*		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	277.96	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	623.77	
07 51 13 00-0137	SQ	Polar Coat	163.78	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	199.28	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	569.90	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	263.81	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	73.17	
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	37.72	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	44.70	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	93.40	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Horizontal Waterproofing (Trem-LAR LRM H) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	474.88	
07 51 13 00-0149	SQ	Vertical Waterproofing (Trem-LAR LRM V) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	484.87	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	618.51	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	801.85	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	471.51	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	90.74	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	94.39	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	101.12	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	75.70	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	68.54	
07 51 13 00-0158		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	245.45	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	462.60	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	370.79	
07 51 13 00-0162		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	654.70	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	889.96	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	1,007.56	
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	748.54	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	913.28	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,112.74	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	134.48	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	152.67	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	23.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	84.29	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	359.46	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	362.10	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	635.62	
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	413.33	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	462.27	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	664.94	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,080.41	
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	180.20	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	202.64	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	176.95	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	120.37	
07 51 13 00-0190		**Warranty (Tremco)** *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		**Built-Up Roofing Components (Garland)** *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		**Modified Cap Membranes** *(07 51 13 00-0195)*		
		See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	749.77	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	537.26	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	664.47	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	690.36	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	960.00	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,078.82	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	453.29	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	573.07	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	351.63	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	678.94	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	835.09	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	908.22	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	956.96	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	874.70	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	926.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	972.20	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	767.49	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,215.93	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	990.48	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)*		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.Includes leak-free warranty based on cap sheet selection. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	685.79	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	432.15	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil.	99.88	
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	66.67	
		Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	80.83	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	87.68	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	134.53	
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	435.40	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	378.08	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	351.42	
07 51 13 00-0231	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	382.46	
07 51 13 00-0232	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	317.72	
07 51 13 00-0233	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	6.60	
07 51 13 00-0234	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	17.33	
07 51 13 00-0235	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	77.40	
07 51 13 00-0236	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	8.55	
07 51 13 00-0237	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.29	
07 51 13 00-0238	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.18	
07 51 13 00-0239	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	167.21	
07 51 13 00-0240		**Coatings And Mastics For Roof Installation, Restoration And Repairs** *(07 51 13 00-0195)*		
07 51 13 00-0241	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	50.97	
07 51 13 00-0242	SQ	Black-Knight® Primer	47.38	
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	185.40	
07 51 13 00-0244	SQ	4-5 GAL/SQ, Cold Process Polymer Modified Coal Tar, Flood Coat (Black-Knight® Cold)	198.24	
07 51 13 00-0245	SQ	6-8 GAL/SQ, Cold Process Polymer Modified Coal Tar, Restoration, Black-Knight® Cold	315.47	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	500.02	
07 51 13 00-0247	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	517.14	
07 51 13 00-0248	SQ	3 GAL/SQ, Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat, Energizer® K Plus FR	243.12	
07 51 13 00-0249	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	401.40	
07 51 13 00-0250	SQ	3 GAL/SQ, Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat, Energizer® LO	612.27	
07 51 13 00-0251	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,016.84	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	427.60	
07 51 13 00-0253	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	444.72	
07 51 13 00-0254	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	931.84	
07 51 13 00-0255	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	406.30	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	201.18	
07 51 13 00-0257	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	218.30	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0258	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	190.67	
07 51 13 00-0259	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	178.57	
07 51 13 00-0260	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	24.61	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	209.95	
07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	203.62	
07 51 13 00-0263	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	27.87	
07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	270.91	
07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,581.93	
07 51 13 00-0266	SQ	4-5 GAL/SQ, Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat, Weatherscreen™	349.50	
07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	424.75	
07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	160.26	
07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	559.52	
07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	159.10	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	243.56
		For Up To 10, Add	*57.97*
		For >10 To 20, Add	*31.30*
		For >20 To 40, Add	*16.81*
		For >75 To 100, Deduct	*-8.40*
		For >100 To 200, Deduct	*-17.96*
		For >200, Deduct	*-26.37*
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	295.75
		For Up To 10, Add	*68.41*
		For >10 To 20, Add	*36.52*
		For >20 To 40, Add	*19.42*
		For >75 To 100, Deduct	*-9.71*
		For >100 To 200, Deduct	*-20.57*
		For >200, Deduct	*-30.28*
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	462.40
		For Up To 10, Add	*101.74*
		For >10 To 20, Add	*53.18*
		For >20 To 40, Add	*27.75*
		For >75 To 100, Deduct	*-13.87*
		For >100 To 200, Deduct	*-28.91*
		For >200, Deduct	*-42.78*
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	466.81
		For Up To 10, Add	*103.50*
		For >10 To 20, Add	*54.29*
		For >20 To 40, Add	*28.41*
		For >75 To 100, Deduct	*-14.21*
		For >100 To 200, Deduct	*-29.68*
		For >200, Deduct	*-43.88*
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	335.19
		For Up To 10, Add	*77.18*
		For >10 To 20, Add	*41.12*
		For >20 To 40, Add	*21.83*
		For >75 To 100, Deduct	*-10.91*
		For >100 To 200, Deduct	*-23.10*
		For >200, Deduct	*-34.01*
		For Factory Applied White Reflective Surfacing, Add	*108.28*
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	387.98
		For Up To 10, Add	*87.74*
		For >10 To 20, Add	*46.40*
		For >20 To 40, Add	*24.47*
		For >75 To 100, Deduct	*-12.23*
		For >100 To 200, Deduct	*-25.74*
		For >200, Deduct	*-37.97*
		For Factory Applied White Reflective Surfacing, Add	*108.28*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	531.81	
		For Up To 10, Add	*116.50*	
		For >10 To 20, Add	*60.79*	
		For >20 To 40, Add	*31.66*	
		For >75 To 100, Deduct	*-15.83*	
		For >100 To 200, Deduct	*-32.93*	
		For >200, Deduct	*-48.76*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.91	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	10.48	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	176.70	
		For Up To 10, Add	*44.59*	
		For >10 To 20, Add	*24.61*	
		For >20 To 40, Add	*13.46*	
		For >75 To 100, Deduct	*-6.73*	
		For >100 To 200, Deduct	*-14.62*	
		For >200, Deduct	*-21.35*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	228.89	
		For Up To 10, Add	*55.03*	
		For >10 To 20, Add	*29.83*	
		For >20 To 40, Add	*16.07*	
		For >75 To 100, Deduct	*-8.03*	
		For >100 To 200, Deduct	*-17.23*	
		For >200, Deduct	*-25.26*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	276.59	
		For Up To 10, Add	*69.21*	
		For >10 To 20, Add	*38.08*	
		For >20 To 40, Add	*20.77*	
		For >75 To 100, Deduct	*-10.39*	
		For >100 To 200, Deduct	*-22.51*	
		For >200, Deduct	*-32.90*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	289.96	
		For Up To 10, Add	*71.88*	
		For >10 To 20, Add	*39.41*	
		For >20 To 40, Add	*21.44*	
		For >75 To 100, Deduct	*-10.72*	
		For >100 To 200, Deduct	*-23.18*	
		For >200, Deduct	*-33.90*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	398.37	
		For Up To 10, Add	*93.56*	
		For >10 To 20, Add	*50.25*	
		For >20 To 40, Add	*26.86*	
		For >75 To 100, Deduct	*-13.43*	
		For >100 To 200, Deduct	*-28.60*	
		For >200, Deduct	*-42.03*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	276.59	
		For Up To 10, Add	*69.21*	
		For >10 To 20, Add	*38.08*	
		For >20 To 40, Add	*20.77*	
		For >75 To 100, Deduct	*-10.39*	
		For >100 To 200, Deduct	*-22.51*	
		For >200, Deduct	*-32.90*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	293.30	
		For Up To 10, Add	*72.55*	
		For >10 To 20, Add	*39.75*	
		For >20 To 40, Add	*21.61*	
		For >75 To 100, Deduct	*-10.81*	
		For >100 To 200, Deduct	*-23.35*	
		For >200, Deduct	*-34.15*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	398.37	
		For Up To 10, Add	*93.56*	
		For >10 To 20, Add	*50.25*	
		For >20 To 40, Add	*26.86*	
		For >75 To 100, Deduct	*-13.43*	
		For >100 To 200, Deduct	*-28.60*	
		For >200, Deduct	*-42.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	287.12	
		For Up To 10, Add	*71.31*	
		For >10 To 20, Add	*39.13*	
		For >20 To 40, Add	*21.30*	
		For >75 To 100, Deduct	*-10.65*	
		For >100 To 200, Deduct	*-23.04*	
		For >200, Deduct	*-33.69*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	303.32	
		For Up To 10, Add	*74.55*	
		For >10 To 20, Add	*40.75*	
		For >20 To 40, Add	*22.11*	
		For >75 To 100, Deduct	*-11.06*	
		For >100 To 200, Deduct	*-23.85*	
		For >200, Deduct	*-34.90*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	343.08	
		For Up To 10, Add	*82.51*	
		For >10 To 20, Add	*44.73*	
		For >20 To 40, Add	*24.10*	
		For >75 To 100, Deduct	*-12.05*	
		For >100 To 200, Deduct	*-25.84*	
		For >200, Deduct	*-37.88*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	347.92	
		For Up To 10, Add	*83.47*	
		For >10 To 20, Add	*45.21*	
		For >20 To 40, Add	*24.34*	
		For >75 To 100, Deduct	*-12.17*	
		For >100 To 200, Deduct	*-26.08*	
		For >200, Deduct	*-38.25*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	483.74	
		For Up To 10, Add	*110.64*	
		For >10 To 20, Add	*58.79*	
		For >20 To 40, Add	*31.13*	
		For >75 To 100, Deduct	*-15.57*	
		For >100 To 200, Deduct	*-32.87*	
		For >200, Deduct	*-48.43*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.15	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.32	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.37	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.42	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.86	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	6.22	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	257.79	
		For Up To 10, Add	*56.18*	
		For >10 To 20, Add	*29.25*	
		For >20 To 40, Add	*15.20*	
		For >75 To 100, Deduct	*-7.60*	
		For >100 To 200, Deduct	*-15.78*	
		For >200, Deduct	*-23.38*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0001		Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)* Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002		Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*		
07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	192.46	
		For Up To 10, Add	*47.75*	
		For >10 To 20, Add	*26.19*	
		For >20 To 40, Add	*14.25*	
		For >75 To 100, Deduct	*-7.13*	
		For >100 To 200, Deduct	*-15.41*	
		For >200, Deduct	*-22.54*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	250.41	
		For Up To 10, Add	*59.34*	
		For >10 To 20, Add	*31.98*	
		For >20 To 40, Add	*17.15*	
		For >75 To 100, Deduct	*-8.57*	
		For >100 To 200, Deduct	*-18.31*	
		For >200, Deduct	*-26.88*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	257.89	
		For Up To 10, Add	*60.84*	
		For >10 To 20, Add	*32.73*	
		For >20 To 40, Add	*17.52*	
		For >75 To 100, Deduct	*-8.76*	
		For >100 To 200, Deduct	*-18.68*	
		For >200, Deduct	*-27.44*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	350.32	
		For Up To 10, Add	*79.32*	
		For >10 To 20, Add	*41.98*	
		For >20 To 40, Add	*22.15*	
		For >75 To 100, Deduct	*-11.07*	
		For >100 To 200, Deduct	*-23.30*	
		For >200, Deduct	*-34.37*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	443.87	
		For Up To 10, Add	*98.03*	
		For >10 To 20, Add	*51.33*	
		For >20 To 40, Add	*26.82*	
		For >75 To 100, Deduct	*-13.41*	
		For >100 To 200, Deduct	*-27.98*	
		For >200, Deduct	*-41.39*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	370.74	
		For Up To 10, Add	*84.29*	
		For >10 To 20, Add	*44.68*	
		For >20 To 40, Add	*23.61*	
		For >75 To 100, Deduct	*-11.80*	
		For >100 To 200, Deduct	*-24.87*	
		For >200, Deduct	*-36.68*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	380.79	
		For Up To 10, Add	*86.30*	
		For >10 To 20, Add	*45.68*	
		For >20 To 40, Add	*24.11*	
		For >75 To 100, Deduct	*-12.05*	
		For >100 To 200, Deduct	*-25.38*	
		For >200, Deduct	*-37.43*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	333.69	
		For Up To 10, Add	*76.88*	
		For >10 To 20, Add	*40.97*	
		For >20 To 40, Add	*21.75*	
		For >75 To 100, Deduct	*-10.88*	
		For >100 To 200, Deduct	*-23.02*	
		For >200, Deduct	*-33.90*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	338.03	
		For Up To 10, Add	*77.75*	
		For >10 To 20, Add	*41.41*	
		For >20 To 40, Add	*21.97*	
		For >75 To 100, Deduct	*-10.99*	
		For >100 To 200, Deduct	*-23.24*	
		For >200, Deduct	*-34.22*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	378.12	
		For Up To 10, Add	*85.76*	
		For >10 To 20, Add	*45.42*	
		For >20 To 40, Add	*23.98*	
		For >75 To 100, Deduct	*-11.99*	
		For >100 To 200, Deduct	*-25.24*	
		For >200, Deduct	*-37.23*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	384.80	
		For Up To 10, Add	*87.10*	
		For >10 To 20, Add	*46.09*	
		For >20 To 40, Add	*24.31*	
		For >75 To 100, Deduct	*-12.16*	
		For >100 To 200, Deduct	*-25.58*	
		For >200, Deduct	*-37.73*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	443.27	
		For Up To 10, Add	*98.79*	
		For >10 To 20, Add	*51.93*	
		For >20 To 40, Add	*27.23*	
		For >75 To 100, Deduct	*-13.62*	
		For >100 To 200, Deduct	*-28.50*	
		For >200, Deduct	*-42.12*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	549.78	
		For Up To 10, Add	*120.10*	
		For >10 To 20, Add	*62.58*	
		For >20 To 40, Add	*32.56*	
		For >75 To 100, Deduct	*-16.28*	
		For >100 To 200, Deduct	*-33.83*	
		For >200, Deduct	*-50.11*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	340.94	
		For Up To 10, Add	*78.33*	
		For >10 To 20, Add	*41.70*	
		For >20 To 40, Add	*22.12*	
		For >75 To 100, Deduct	*-11.06*	
		For >100 To 200, Deduct	*-23.38*	
		For >200, Deduct	*-34.44*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	351.39	
		For Up To 10, Add	*80.42*	
		For >10 To 20, Add	*42.74*	
		For >20 To 40, Add	*22.64*	
		For >75 To 100, Deduct	*-11.32*	
		For >100 To 200, Deduct	*-23.91*	
		For >200, Deduct	*-35.23*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	408.19	
		For Up To 10, Add	*91.78*	
		For >10 To 20, Add	*48.42*	
		For >20 To 40, Add	*25.48*	
		For >75 To 100, Deduct	*-12.74*	
		For >100 To 200, Deduct	*-26.75*	
		For >200, Deduct	*-39.49*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	409.53	
		For Up To 10, Add	*92.05*	
		For >10 To 20, Add	*48.56*	
		For >20 To 40, Add	*25.55*	
		For >75 To 100, Deduct	*-12.77*	
		For >100 To 200, Deduct	*-26.81*	
		For >200, Deduct	*-39.59*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	434.92	
		For Up To 10, Add	*97.12*	
		For >10 To 20, Add	*51.10*	
		For >20 To 40, Add	*26.82*	
		For >75 To 100, Deduct	*-13.41*	
		For >100 To 200, Deduct	*-28.08*	
		For >200, Deduct	*-41.49*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.05	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.58	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.62	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.09	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.68	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.74	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.65	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.76	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.34	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.59	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	8.67	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	16.18	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	158.27	
		For Up To 10, Add	*41.04*	
		For >10 To 20, Add	*22.86*	
		For >20 To 40, Add	*12.60*	
		For >75 To 100, Deduct	*-6.30*	
		For >100 To 200, Deduct	*-13.78*	
		For >200, Deduct	*-20.08*	
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	216.22	
		For Up To 10, Add	*52.63*	
		For >10 To 20, Add	*28.66*	
		For >20 To 40, Add	*15.50*	
		For >75 To 100, Deduct	*-7.75*	
		For >100 To 200, Deduct	*-16.67*	
		For >200, Deduct	*-24.43*	
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	223.70	
		For Up To 10, Add	*54.12*	
		For >10 To 20, Add	*29.41*	
		For >20 To 40, Add	*15.88*	
		For >75 To 100, Deduct	*-7.94*	
		For >100 To 200, Deduct	*-17.05*	
		For >200, Deduct	*-24.99*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	316.14	
		For Up To 10, Add	*72.61*	
		For >10 To 20, Add	*38.65*	
		For >20 To 40, Add	*20.50*	
		For >75 To 100, Deduct	*-10.25*	
		For >100 To 200, Deduct	*-21.67*	
		For >200, Deduct	*-31.92*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	409.69	
		For Up To 10, Add	*91.32*	
		For >10 To 20, Add	*48.01*	
		For >20 To 40, Add	*25.18*	
		For >75 To 100, Deduct	*-12.59*	
		For >100 To 200, Deduct	*-26.35*	
		For >200, Deduct	*-38.94*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	336.61	
		For Up To 10, Add	*77.60*	
		For >10 To 20, Add	*41.37*	
		For >20 To 40, Add	*21.97*	
		For >75 To 100, Deduct	*-10.98*	
		For >100 To 200, Deduct	*-23.25*	
		For >200, Deduct	*-34.24*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	346.67	
		For Up To 10, Add	*79.61*	
		For >10 To 20, Add	*42.37*	
		For >20 To 40, Add	*22.47*	
		For >75 To 100, Deduct	*-11.24*	
		For >100 To 200, Deduct	*-23.76*	
		For >200, Deduct	*-34.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	299.56	
		For Up To 10, Add	*70.19*	
		For >10 To 20, Add	*37.66*	
		For >20 To 40, Add	*20.12*	
		For >75 To 100, Deduct	*-10.06*	
		For >100 To 200, Deduct	*-21.40*	
		For >200, Deduct	*-31.46*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	303.90	
		For Up To 10, Add	*71.06*	
		For >10 To 20, Add	*38.10*	
		For >20 To 40, Add	*20.33*	
		For >75 To 100, Deduct	*-10.17*	
		For >100 To 200, Deduct	*-21.62*	
		For >200, Deduct	*-31.78*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	343.99	
		For Up To 10, Add	*79.07*	
		For >10 To 20, Add	*42.11*	
		For >20 To 40, Add	*22.34*	
		For >75 To 100, Deduct	*-11.17*	
		For >100 To 200, Deduct	*-23.62*	
		For >200, Deduct	*-34.79*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	350.68	
		For Up To 10, Add	*80.41*	
		For >10 To 20, Add	*42.78*	
		For >20 To 40, Add	*22.67*	
		For >75 To 100, Deduct	*-11.34*	
		For >100 To 200, Deduct	*-23.96*	
		For >200, Deduct	*-35.29*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	409.14	
		For Up To 10, Add	*92.10*	
		For >10 To 20, Add	*48.62*	
		For >20 To 40, Add	*25.60*	
		For >75 To 100, Deduct	*-12.80*	
		For >100 To 200, Deduct	*-26.88*	
		For >200, Deduct	*-39.68*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	515.66	
		For Up To 10, Add	*113.41*	
		For >10 To 20, Add	*59.27*	
		For >20 To 40, Add	*30.92*	
		For >75 To 100, Deduct	*-15.46*	
		For >100 To 200, Deduct	*-32.21*	
		For >200, Deduct	*-47.67*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	306.81	
		For Up To 10, Add	*71.64*	
		For >10 To 20, Add	*38.39*	
		For >20 To 40, Add	*20.48*	
		For >75 To 100, Deduct	*-10.24*	
		For >100 To 200, Deduct	*-21.76*	
		For >200, Deduct	*-32.00*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	317.27	
		For Up To 10, Add	*73.73*	
		For >10 To 20, Add	*39.43*	
		For >20 To 40, Add	*21.00*	
		For >75 To 100, Deduct	*-10.50*	
		For >100 To 200, Deduct	*-22.29*	
		For >200, Deduct	*-32.79*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	374.06	
		For Up To 10, Add	*85.09*	
		For >10 To 20, Add	*45.11*	
		For >20 To 40, Add	*23.84*	
		For >75 To 100, Deduct	*-11.92*	
		For >100 To 200, Deduct	*-25.13*	
		For >200, Deduct	*-37.05*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	375.40	
		For Up To 10, Add	*85.36*	
		For >10 To 20, Add	*45.25*	
		For >20 To 40, Add	*23.91*	
		For >75 To 100, Deduct	*-11.95*	
		For >100 To 200, Deduct	*-25.19*	
		For >200, Deduct	*-37.15*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	400.79	
		For Up To 10, Add	*90.43*	
		For >10 To 20, Add	*47.79*	
		For >20 To 40, Add	*25.18*	
		For >75 To 100, Deduct	*-12.59*	
		For >100 To 200, Deduct	*-26.46*	
		For >200, Deduct	*-39.05*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.86	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.39	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.43	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.83	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.90	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.49	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.55	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.46	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.57	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.04	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.40	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	8.48	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	15.99	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	323.37	
		For Up To 10, Add	*78.56*	
		For >10 To 20, Add	*42.75*	
		For >20 To 40, Add	*23.11*	
		For >75 To 100, Deduct	*-11.56*	
		For >100 To 200, Deduct	*-24.85*	
		For >200, Deduct	*-36.41*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	290.96	
		For Up To 10, Add	*72.08*	
		For >10 To 20, Add	*39.51*	
		For >20 To 40, Add	*21.49*	
		For >75 To 100, Deduct	*-10.75*	
		For >100 To 200, Deduct	*-23.23*	
		For >200, Deduct	*-33.98*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	329.05	
		For Up To 10, Add	*79.70*	
		For >10 To 20, Add	*43.32*	
		For >20 To 40, Add	*23.40*	
		For >75 To 100, Deduct	*-11.70*	
		For >100 To 200, Deduct	*-25.13*	
		For >200, Deduct	*-36.83*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	501.71	
		For Up To 10, Add	*114.23*	
		For >10 To 20, Add	*60.59*	
		For >20 To 40, Add	*32.03*	
		For >75 To 100, Deduct	*-16.02*	
		For >100 To 200, Deduct	*-33.77*	
		For >200, Deduct	*-49.78*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	301.85	
		For Up To 10, Add	*74.26*	
		For >10 To 20, Add	*40.60*	
		For >20 To 40, Add	*22.04*	
		For >75 To 100, Deduct	*-11.02*	
		For >100 To 200, Deduct	*-23.77*	
		For >200, Deduct	*-34.79*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	346.76	
		For Up To 10, Add	*83.24*	
		For >10 To 20, Add	*45.09*	
		For >20 To 40, Add	*24.28*	
		For >75 To 100, Deduct	*-12.14*	
		For >100 To 200, Deduct	*-26.02*	
		For >200, Deduct	*-38.16*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	361.05	
		For Up To 10, Add	*86.29*	
		For >10 To 20, Add	*46.66*	
		For >20 To 40, Add	*25.09*	
		For >75 To 100, Deduct	*-12.55*	
		For >100 To 200, Deduct	*-26.85*	
		For >200, Deduct	*-39.40*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	465.86	
		For Up To 10, Add	*107.25*	
		For >10 To 20, Add	*57.14*	
		For >20 To 40, Add	*30.33*	
		For >75 To 100, Deduct	*-15.17*	
		For >100 To 200, Deduct	*-32.09*	
		For >200, Deduct	*-47.26*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.71	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.69	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.40	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.89	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.99	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.04	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.27	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	14.84	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	200.21	
		For Up To 10, Add	*44.67*	
		For >10 To 20, Add	*23.49*	
		For >20 To 40, Add	*12.32*	
		For >75 To 100, Deduct	*-6.16*	
		For >100 To 200, Deduct	*-12.90*	
		For >200, Deduct	*-19.06*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	154.49	
		For Up To 10, Add	*35.52*	
		For >10 To 20, Add	*18.92*	
		For >20 To 40, Add	*10.04*	
		For >75 To 100, Deduct	*-5.02*	
		For >100 To 200, Deduct	*-10.61*	
		For >200, Deduct	*-15.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	199.50	
		For Up To 10, Add	*44.52*	
		For >10 To 20, Add	*23.42*	
		For >20 To 40, Add	*12.29*	
		For >75 To 100, Deduct	*-6.14*	
		For >100 To 200, Deduct	*-12.87*	
		For >200, Deduct	*-19.01*	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	249.21	
		For Up To 10, Add	*54.47*	
		For >10 To 20, Add	*28.39*	
		For >20 To 40, Add	*14.77*	
		For >75 To 100, Deduct	*-7.39*	
		For >100 To 200, Deduct	*-15.35*	
		For >200, Deduct	*-22.74*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	312.36	
		For Up To 10, Add	*67.10*	
		For >10 To 20, Add	*34.70*	
		For >20 To 40, Add	*17.93*	
		For >75 To 100, Deduct	*-8.97*	
		For >100 To 200, Deduct	*-18.51*	
		For >200, Deduct	*-27.47*	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	4.02	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	4.11	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	161.30	
		For Up To 10, Add	*37.82*	
		For >10 To 20, Add	*20.30*	
		For >20 To 40, Add	*10.84*	
		For >75 To 100, Deduct	*-5.42*	
		For >100 To 200, Deduct	*-11.54*	
		For >200, Deduct	*-16.96*	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	170.78	
		For Up To 10, Add	*39.71*	
		For >10 To 20, Add	*21.25*	
		For >20 To 40, Add	*11.32*	
		For >75 To 100, Deduct	*-5.66*	
		For >100 To 200, Deduct	*-12.01*	
		For >200, Deduct	*-17.67*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	286.72	
		For Up To 10, Add	*63.32*	
		For >10 To 20, Add	*33.15*	
		For >20 To 40, Add	*17.32*	
		For >75 To 100, Deduct	*-8.66*	
		For >100 To 200, Deduct	*-18.07*	
		For >200, Deduct	*-26.73*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	342.25	
		For Up To 10, Add	*74.42*	
		For >10 To 20, Add	*38.70*	
		For >20 To 40, Add	*20.10*	
		For >75 To 100, Deduct	*-10.05*	
		For >100 To 200, Deduct	*-20.85*	
		For >200, Deduct	*-30.89*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	505.96	
		For Up To 10, Add	*107.16*	
		For >10 To 20, Add	*55.08*	
		For >20 To 40, Add	*28.28*	
		For >75 To 100, Deduct	*-14.14*	
		For >100 To 200, Deduct	*-29.03*	
		For >200, Deduct	*-43.17*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.66	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	5.20	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	6.84	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	598.56	111.11
		For Up To 10, Add	*164.16*	
		For >10 To 20, Add	*93.19*	
		For >20 To 40, Add	*52.15*	
		For >75 To 100, Deduct	*-26.08*	
		For >100 To 200, Deduct	*-57.71*	
		For >200, Deduct	*-83.78*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	434.84	55.56
		For Up To 10, Add	*109.19*	
		For >10 To 20, Add	*60.15*	
		For >20 To 40, Add	*32.85*	
		For >75 To 100, Deduct	*-16.43*	
		For >100 To 200, Deduct	*-35.63*	
		For >200, Deduct	*-52.06*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	474.13	83.33
		For Up To 10, Add	*128.16*	
		For >10 To 20, Add	*72.41*	
		For >20 To 40, Add	*40.37*	
		For >75 To 100, Deduct	*-20.19*	
		For >100 To 200, Deduct	*-44.54*	
		For >200, Deduct	*-64.73*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*41.67*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.99*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	312.52	55.56
		For Up To 10, Add	*84.73*	
		For >10 To 20, Add	*47.92*	
		For >20 To 40, Add	*26.74*	
		For >75 To 100, Deduct	*-13.37*	
		For >100 To 200, Deduct	*-29.51*	
		For >200, Deduct	*-42.88*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	396.15	59.03
		For Up To 10, Add	*102.84*	
		For >10 To 20, Add	*57.32*	
		For >20 To 40, Add	*31.61*	
		For >75 To 100, Deduct	*-15.81*	
		For >100 To 200, Deduct	*-34.57*	
		For >200, Deduct	*-50.37*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	523.79	62.50
		For Up To 10, Add	*129.76*	
		For >10 To 20, Add	*71.13*	
		For >20 To 40, Add	*38.69*	
		For >75 To 100, Deduct	*-19.35*	
		For >100 To 200, Deduct	*-41.82*	
		For >200, Deduct	*-61.16*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	377.85	83.33
		For Up To 10, Add	*108.90*	
		For >10 To 20, Add	*62.79*	
		For >20 To 40, Add	*35.56*	
		For >75 To 100, Deduct	*-17.78*	
		For >100 To 200, Deduct	*-39.73*	
		For >200, Deduct	*-57.51*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*33.36*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.90*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	461.48	86.81
		For Up To 10, Add	*127.02*	
		For >10 To 20, Add	*72.19*	
		For >20 To 40, Add	*40.44*	
		For >75 To 100, Deduct	*-20.22*	
		For >100 To 200, Deduct	*-44.78*	
		For >200, Deduct	*-64.99*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*33.36*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*130.66*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	589.12	90.28
		For Up To 10, Add	*153.94*	
		For >10 To 20, Add	*86.00*	
		For >20 To 40, Add	*47.51*	
		For >75 To 100, Deduct	*-23.76*	
		For >100 To 200, Deduct	*-52.03*	
		For >200, Deduct	*-75.78*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*33.36*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*144.57*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	497.95	111.11
		For Up To 10, Add	*144.04*	
		For >10 To 20, Add	*83.13*	
		For >20 To 40, Add	*47.12*	
		For >75 To 100, Deduct	*-23.56*	
		For >100 To 200, Deduct	*-52.68*	
		For >200, Deduct	*-76.24*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For Low VOC Adhesive, Add	*83.40*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.90*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	581.58	114.58
		For Up To 10, Add	*162.15*	
		For >10 To 20, Add	*92.54*	
		For >20 To 40, Add	*52.00*	
		For >75 To 100, Deduct	*-26.00*	
		For >100 To 200, Deduct	*-57.73*	
		For >200, Deduct	*-83.73*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For Low VOC Adhesive, Add	*83.40*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*130.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	709.21	118.06
		For Up To 10, Add	*189.07*	
		For >10 To 20, Add	*106.34*	
		For >20 To 40, Add	*59.07*	
		For >75 To 100, Deduct	*-29.54*	
		For >100 To 200, Deduct	*-64.98*	
		For >200, Deduct	*-94.51*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*83.40*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*144.57*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	351.56	83.33
		For Up To 10, Add	*103.65*	
		For >10 To 20, Add	*60.16*	
		For >20 To 40, Add	*34.25*	
		For >75 To 100, Deduct	*-17.12*	
		For >100 To 200, Deduct	*-38.41*	
		For >200, Deduct	*-55.53*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*41.67*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.99*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	435.19	86.81
		For Up To 10, Add	*121.76*	
		For >10 To 20, Add	*69.56*	
		For >20 To 40, Add	*39.12*	
		For >75 To 100, Deduct	*-19.56*	
		For >100 To 200, Deduct	*-43.46*	
		For >200, Deduct	*-63.02*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*26.94*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*43.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*44.72*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	562.83	90.28
		For Up To 10, Add	*148.68*	
		For >10 To 20, Add	*83.37*	
		For >20 To 40, Add	*46.20*	
		For >75 To 100, Deduct	*-23.10*	
		For >100 To 200, Deduct	*-50.71*	
		For >200, Deduct	*-73.81*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*45.14*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*46.46*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	78.68	
		For Up To 10, Add	*21.29*	
		For >10 To 20, Add	*12.04*	
		For >20 To 40, Add	*6.71*	
		For >75 To 100, Deduct	*-3.36*	
		For >100 To 200, Deduct	*-7.41*	
		For >200, Deduct	*-10.76*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	81.22	
		For Up To 10, Add	*21.80*	
		For >10 To 20, Add	*12.29*	
		For >20 To 40, Add	*6.84*	
		For >75 To 100, Deduct	*-3.42*	
		For >100 To 200, Deduct	*-7.53*	
		For >200, Deduct	*-10.95*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	51.11	13.19
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	71.20	13.19
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	129.16	13.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	170.29	14.58
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	38.99	8.06
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	7.59	2.08
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	9.67	3.13

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	558.61	62.50
		For Up To 10, Add	*136.72*	
		For >10 To 20, Add	*74.61*	
		For >20 To 40, Add	*40.43*	
		For >75 To 100, Deduct	*-20.22*	
		For >100 To 200, Deduct	*-43.56*	
		For >200, Deduct	*-63.77*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive.	630.90	90.28
		For Up To 10, Add	*162.29*	
		For >10 To 20, Add	*90.17*	
		For >20 To 40, Add	*49.60*	
		For >75 To 100, Deduct	*-24.80*	
		For >100 To 200, Deduct	*-54.12*	
		For >200, Deduct	*-78.92*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	761.46	118.06
		For Up To 10, Add	*199.52*	
		For >10 To 20, Add	*111.56*	
		For >20 To 40, Add	*61.69*	
		For >75 To 100, Deduct	*-30.84*	
		For >100 To 200, Deduct	*-67.59*	
		For >200, Deduct	*-98.43*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	282.12	55.56
		For Up To 10, Add	*78.65*	
		For >10 To 20, Add	*44.88*	
		For >20 To 40, Add	*25.22*	
		For >75 To 100, Deduct	*-12.61*	
		For >100 To 200, Deduct	*-27.99*	
		For >200, Deduct	*-40.60*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	315.68	59.03
		For Up To 10, Add	*86.75*	
		For >10 To 20, Add	*49.28*	
		For >20 To 40, Add	*27.59*	
		For >75 To 100, Deduct	*-13.80*	
		For >100 To 200, Deduct	*-30.54*	
		For >200, Deduct	*-44.34*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	353.15	60.76
		For Up To 10, Add	*94.94*	
		For >10 To 20, Add	*53.55*	
		For >20 To 40, Add	*29.81*	
		For >75 To 100, Deduct	*-14.91*	
		For >100 To 200, Deduct	*-32.85*	
		For >200, Deduct	*-47.76*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	371.41	62.50
		For Up To 10, Add	*99.28*	
		For >10 To 20, Add	*55.89*	
		For >20 To 40, Add	*31.07*	
		For >75 To 100, Deduct	*-15.54*	
		For >100 To 200, Deduct	*-34.20*	
		For >200, Deduct	*-49.73*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	528.02	111.11
		For Up To 10, Add	*150.05*	
		For >10 To 20, Add	*86.14*	
		For >20 To 40, Add	*48.62*	
		For >75 To 100, Deduct	*-24.31*	
		For >100 To 200, Deduct	*-54.18*	
		For >200, Deduct	*-78.49*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	561.58	114.58
		For Up To 10, Add	*158.15*	
		For >10 To 20, Add	*90.54*	
		For >20 To 40, Add	*51.00*	
		For >75 To 100, Deduct	*-25.50*	
		For >100 To 200, Deduct	*-56.73*	
		For >200, Deduct	*-82.23*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	599.05	116.32
		For Up To 10, Add	*166.34*	
		For >10 To 20, Add	*94.80*	
		For >20 To 40, Add	*53.22*	
		For >75 To 100, Deduct	*-26.61*	
		For >100 To 200, Deduct	*-59.03*	
		For >200, Deduct	*-85.64*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	617.30	118.06
		For Up To 10, Add	*170.68*	
		For >10 To 20, Add	*97.15*	
		For >20 To 40, Add	*54.48*	
		For >75 To 100, Deduct	*-27.24*	
		For >100 To 200, Deduct	*-60.38*	
		For >200, Deduct	*-87.62*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*91.39*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	312.92	83.33
		For Up To 10, Add	*95.92*	
		For >10 To 20, Add	*56.29*	
		For >20 To 40, Add	*32.31*	
		For >75 To 100, Deduct	*-16.16*	
		For >100 To 200, Deduct	*-36.48*	
		For >200, Deduct	*-52.64*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*41.67*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.99*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	346.47	86.81
		For Up To 10, Add	*104.02*	
		For >10 To 20, Add	*60.69*	
		For >20 To 40, Add	*34.68*	
		For >75 To 100, Deduct	*-17.34*	
		For >100 To 200, Deduct	*-39.02*	
		For >200, Deduct	*-56.37*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*43.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*44.72*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	383.95	88.54
		For Up To 10, Add	*112.21*	
		For >10 To 20, Add	*64.96*	
		For >20 To 40, Add	*36.91*	
		For >75 To 100, Deduct	*-18.45*	
		For >100 To 200, Deduct	*-41.33*	
		For >200, Deduct	*-59.79*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*44.27*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*45.59*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	402.20	90.28
		For Up To 10, Add	*116.55*	
		For >10 To 20, Add	*67.30*	
		For >20 To 40, Add	*38.17*	
		For >75 To 100, Deduct	*-19.08*	
		For >100 To 200, Deduct	*-42.68*	
		For >200, Deduct	*-61.76*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*50.88*	
		For Mechanically Fastened To Concrete Decks, Add	*45.14*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*46.46*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	78.68	
		For Up To 10, Add	*21.29*	
		For >10 To 20, Add	*12.04*	
		For >20 To 40, Add	*6.71*	
		For >75 To 100, Deduct	*-3.36*	
		For >100 To 200, Deduct	*-7.41*	
		For >200, Deduct	*-10.76*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	81.22	
		For Up To 10, Add	*21.80*	
		For >10 To 20, Add	*12.29*	
		For >20 To 40, Add	*6.84*	
		For >75 To 100, Deduct	*-3.42*	
		For >100 To 200, Deduct	*-7.53*	
		For >200, Deduct	*-10.95*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	81.23	11.80
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	112.87	13.19
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	143.58	14.58
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	181.30	14.58
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	33.81	8.06
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	8.90	2.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	10.98	3.13
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing	11.78	2.08
		Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	518.23	111.11
		Note: Includes adhesive.		
		For Up To 10, Add	*148.09*	
		For >10 To 20, Add	*85.16*	
		For >20 To 40, Add	*48.13*	
		For >75 To 100, Deduct	*-24.07*	
		For >100 To 200, Deduct	*-53.69*	
		For >200, Deduct	*-77.76*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*83.40*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	541.64	112.85
		Note: Includes adhesive.		
		For Up To 10, Add	*153.47*	
		For >10 To 20, Add	*88.02*	
		For >20 To 40, Add	*49.65*	
		For >75 To 100, Deduct	*-24.83*	
		For >100 To 200, Deduct	*-55.29*	
		For >200, Deduct	*-80.12*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*83.40*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	553.99	114.58
		Note: Includes adhesive.		
		For Up To 10, Add	*156.63*	
		For >10 To 20, Add	*89.78*	
		For >20 To 40, Add	*50.62*	
		For >75 To 100, Deduct	*-25.31*	
		For >100 To 200, Deduct	*-56.35*	
		For >200, Deduct	*-81.66*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*83.40*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	708.99	118.06
		Note: Includes adhesive.		
		For Up To 10, Add	*189.02*	
		For >10 To 20, Add	*106.32*	
		For >20 To 40, Add	*59.06*	
		For >75 To 100, Deduct	*-29.53*	
		For >100 To 200, Deduct	*-64.96*	
		For >200, Deduct	*-94.50*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*83.40*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened	346.34	83.33
		Note: Includes fasteners.		
		For Up To 10, Add	*102.60*	
		For >10 To 20, Add	*59.63*	
		For >20 To 40, Add	*33.98*	
		For >75 To 100, Deduct	*-16.99*	
		For >100 To 200, Deduct	*-38.15*	
		For >200, Deduct	*-55.14*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*41.67*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.99*	
07 54 23 00-0007	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened	369.74	85.07
		Note: Includes fasteners.		
		For Up To 10, Add	*107.98*	
		For >10 To 20, Add	*62.50*	
		For >20 To 40, Add	*35.50*	
		For >75 To 100, Deduct	*-17.75*	
		For >100 To 200, Deduct	*-39.75*	
		For >200, Deduct	*-57.51*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*42.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0008	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	382.09	86.81
		For Up To 10, Add	*111.14*	
		For >10 To 20, Add	*64.25*	
		For >20 To 40, Add	*36.47*	
		For >75 To 100, Deduct	*-18.23*	
		For >100 To 200, Deduct	*-40.81*	
		For >200, Deduct	*-59.04*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*43.40*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*44.72*	
07 54 23 00-0009	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	537.09	90.28
		For Up To 10, Add	*143.53*	
		For >10 To 20, Add	*80.79*	
		For >20 To 40, Add	*44.91*	
		For >75 To 100, Deduct	*-22.46*	
		For >100 To 200, Deduct	*-49.42*	
		For >200, Deduct	*-71.88*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*45.14*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*46.46*	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	92.68	
		For Up To 10, Add	*24.09*	
		For >10 To 20, Add	*13.44*	
		For >20 To 40, Add	*7.41*	
		For >75 To 100, Deduct	*-3.71*	
		For >100 To 200, Deduct	*-8.11*	
		For >200, Deduct	*-11.81*	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	81.22	
		For Up To 10, Add	*21.80*	
		For >10 To 20, Add	*12.29*	
		For >20 To 40, Add	*6.84*	
		For >75 To 100, Deduct	*-3.42*	
		For >100 To 200, Deduct	*-7.53*	
		For >200, Deduct	*-10.95*	
		For Tan Or Gray Color, Add	*2.67*	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	70.53	11.80
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	76.29	13.19
07 54 23 00-0015	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	136.77	14.58
07 54 23 00-0016	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	33.42	8.06
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	9.27	2.08
07 54 23 00-0018	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	8.45	2.08
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	13.25	2.08

07 55 Protected Membrane Roofing *(07 50)*

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,241.51	185.49
		For Each Additional Coat, Add	*186.23*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,118.23	195.48
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,251.89	218.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0006		**Silicone Elastomeric Liquid Roofing** *(07 56)*		
07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	488.92	112.01
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	597.48	112.01
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	679.13	112.01
07 56 00 00-0010		**Rubberized Acrylic Elastomeric Roof Coating, Sprayed On** *(07 56)*		
		Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011		**Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies** *(07 56 00 00-0010)*		
07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	1,130.01	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	1,160.15	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	470.07	
07 56 00 00-0015	SQ	Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof	1,471.57	
07 56 00 00-0016	SQ	Elastomeric Installation Over New Construction, Waterproofing	828.86	
07 56 00 00-0017	SQ	Elastomeric Installation Over Mobile Home	545.88	
07 56 00 00-0018	SQ	Elastomeric Installation Over Corrugated Metal Roofs	641.43	
07 56 00 00-0019	SQ	Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,225.56	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	4.31	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	6.09	
07 56 00 00-0022		**Polyurethane Roof Coating, Sprayed On Assemblies** *(07 56)*		
		Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating	12.86	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	12.24	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	11.64	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.89	
07 56 00 00-0027		**Elastomeric Asphalt/Urethane Liquid Roofing Membrane** *(07 56)*		
07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	2,036.43	112.01
07 56 00 00-0029		**Urethane Liquid Roofing Membrane** *(07 56)*		
		Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	102.52	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	6.47	
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	390.03	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	102.32	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	954.60	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,438.51	
07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	987.40	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	258.59	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001		**Sprayed Polyurethane Foam Roofing Systems** *(07 57 13)*		
07 57 13 00-0002		**Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating** *(07 57 13 00-0001)*		
07 57 13 00-0003		**Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)*		
		Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	444.24	69.54
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	530.77	74.52
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	617.29	79.49
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	712.30	84.45
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	807.30	89.42
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	885.34	94.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	963.39	99.36
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,049.92	104.32
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,136.44	109.29
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,222.96	114.26
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,309.48	119.22

07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	457.43	69.54
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	543.97	74.52
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	630.49	79.49
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	717.01	84.45
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	803.53	89.42
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	890.06	94.38
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	976.59	99.36
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,063.11	104.32
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,149.63	109.29
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,236.16	114.26
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,322.68	119.22

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	489.48	69.54
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	573.18	74.52
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	656.88	79.49
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	743.40	84.45
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	829.92	89.42
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	951.69	94.38
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,073.47	99.36
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,167.15	104.32
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,260.84	109.29
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,354.52	114.26
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,448.21	119.22

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	498.90	69.54
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	592.59	74.52
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	686.28	79.49
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	779.96	84.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	873.65	89.42
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	967.33	94.38
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,061.03	99.36
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,154.71	104.32
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,248.40	109.29
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,342.08	114.26
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,435.77	119.22

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	517.56	69.54
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	611.25	74.52
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	704.94	79.49
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	798.62	84.45
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	892.31	89.42
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	985.99	94.38
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,079.69	99.36
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,173.37	104.32
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,267.06	109.29
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,360.74	114.26
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,454.43	119.22

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	532.07	69.54
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	625.77	74.52
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	719.45	79.49
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	813.14	84.45
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	906.82	89.42
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,000.50	94.38
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,094.20	99.36
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,187.88	104.32
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,281.57	109.29
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,375.25	114.26
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,468.94	119.22

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	296.47	44.51

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	5.90	2.00

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	35.67	3.86
		For Steep Roof, Over 6 To 12, Add	*2.31*	
		For Panels <16" Wide, Add	*3.21*	
		For 140 MPH Wind Load, Add	*1.33*	
		For Up To 1,500, Add	*8.92*	
		For >1,500 To 5,000, Add	*5.35*	
		For >5,000 To 10,000, Add	*0.89*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	39.05	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*3.50*	
		For 140 MPH Wind Load, Add	*1.45*	
		For Up To 1,500, Add	*9.76*	
		For >1,500 To 5,000, Add	*5.86*	
		For >5,000 To 10,000, Add	*0.98*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	45.94	4.57
		For Steep Roof, Over 6 To 12, Add	*2.73*	
		For Panels <16" Wide, Add	*3.98*	
		For 140 MPH Wind Load, Add	*1.65*	
		For Up To 1,500, Add	*11.49*	
		For >1,500 To 5,000, Add	*6.89*	
		For >5,000 To 10,000, Add	*1.15*	

07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	41.64	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*3.63*	
		For 140 MPH Wind Load, Add	*1.50*	
		For Up To 1,500, Add	*10.41*	
		For >1,500 To 5,000, Add	*6.25*	
		For >5,000 To 10,000, Add	*1.04*	
		For Tin/Copper, Deduct	*-0.67*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	50.31	4.36
		For Steep Roof, Over 6 To 12, Add	*2.61*	
		For Panels <16" Wide, Add	*4.13*	
		For 140 MPH Wind Load, Add	*1.70*	
		For Up To 1,500, Add	*12.58*	
		For >1,500 To 5,000, Add	*7.55*	
		For >5,000 To 10,000, Add	*1.26*	
		For Tin/Copper, Deduct	*-0.83*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	57.12	4.57
		For Steep Roof, Over 6 To 12, Add	*2.73*	
		For Panels <16" Wide, Add	*4.54*	
		For 140 MPH Wind Load, Add	*1.87*	
		For Up To 1,500, Add	*14.28*	
		For >1,500 To 5,000, Add	*8.57*	
		For >5,000 To 10,000, Add	*1.43*	
		For Tin/Copper, Deduct	*-0.96*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	71.47	4.78
		For Steep Roof, Over 6 To 12, Add	*2.87*	
		For Panels <16" Wide, Add	*5.34*	
		For 140 MPH Wind Load, Add	*2.19*	
		For Up To 1,500, Add	*17.87*	
		For >1,500 To 5,000, Add	*10.72*	
		For >5,000 To 10,000, Add	*1.79*	
		For Tin/Copper, Deduct	*-1.24*	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	148.70	7.97
		For Steep Roof, Over 6 To 12, Add	*5.98*	
		For 140 MPH Wind Load, Add	*4.57*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	86.34	7.97
		For Steep Roof, Over 6 To 12, Add	*5.98*	
		For 140 MPH Wind Load, Add	*3.32*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	207.67	7.97
		For Steep Roof, Over 6 To 12, Add	*5.98*	
		For 140 MPH Wind Load, Add	*5.75*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	153.36	7.97
		For Steep Roof, Over 6 To 12, Add	*5.98*	
		For 140 MPH Wind Load, Add	*4.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 61 16 Batten Seam Sheet Metal Roofing *(07 61)*

07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*

07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	43.89	4.57
		For Steep Roof, Over 6 To 12, Add	*2.73*	
		For Panels <16" Wide, Add	*3.88*	
		For 140 MPH Wind Load, Add	*1.61*	
		For Up To 1,500, Add	*10.97*	
		For >1,500 To 5,000, Add	*6.58*	
		For >5,000 To 10,000, Add	*1.10*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	48.44	4.79
		For Steep Roof, Over 6 To 12, Add	*2.87*	
		For Panels <16" Wide, Add	*4.19*	
		For 140 MPH Wind Load, Add	*1.73*	
		For Up To 1,500, Add	*12.11*	
		For >1,500 To 5,000, Add	*7.27*	
		For >5,000 To 10,000, Add	*1.21*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	56.40	5.01
		For Steep Roof, Over 6 To 12, Add	*3.01*	
		For Panels <16" Wide, Add	*4.68*	
		For 140 MPH Wind Load, Add	*1.93*	
		For Up To 1,500, Add	*14.10*	
		For >1,500 To 5,000, Add	*8.46*	
		For >5,000 To 10,000, Add	*1.41*	

07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	44.50	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*3.77*	
		For 140 MPH Wind Load, Add	*1.56*	
		For Up To 1,500, Add	*11.13*	
		For >1,500 To 5,000, Add	*6.68*	
		For >5,000 To 10,000, Add	*1.11*	
		For Tin/Copper, Deduct	*-0.72*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	54.41	4.36
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For Panels <16" Wide, Add	*4.33*	
		For 140 MPH Wind Load, Add	*1.79*	
		For Up To 1,500, Add	*13.60*	
		For >1,500 To 5,000, Add	*8.16*	
		For >5,000 To 10,000, Add	*1.36*	
		For Tin/Copper, Deduct	*-0.91*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	60.94	4.57
		For Steep Roof, Over 6 To 12, Add	*2.73*	
		For Panels <16" Wide, Add	*4.73*	
		For 140 MPH Wind Load, Add	*1.95*	
		For Up To 1,500, Add	*15.24*	
		For >1,500 To 5,000, Add	*9.14*	
		For >5,000 To 10,000, Add	*1.52*	
		For Tin/Copper, Deduct	*-1.04*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	76.38	4.78
		For Steep Roof, Over 6 To 12, Add	*2.87*	
		For Panels <16" Wide, Add	*5.59*	
		For 140 MPH Wind Load, Add	*2.29*	
		For Up To 1,500, Add	*19.10*	
		For >1,500 To 5,000, Add	*11.46*	
		For >5,000 To 10,000, Add	*1.91*	
		For Tin/Copper, Deduct	*-1.34*	

07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	34.00	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*3.25*	
		For 140 MPH Wind Load, Add	*1.35*	
		For Up To 1,500, Add	*8.50*	
		For >1,500 To 5,000, Add	*5.10*	
		For >5,000 To 10,000, Add	*0.85*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	37.36	4.36
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For Panels <16" Wide, Add	*3.48*	
		For 140 MPH Wind Load, Add	*1.44*	
		For Up To 1,500, Add	*9.34*	
		For >1,500 To 5,000, Add	*5.60*	
		For >5,000 To 10,000, Add	*0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	43.21	4.57
		For Steep Roof, Over 6 To 12, Add	*2.73*	
		For Panels <16" Wide, Add	*3.85*	
		For 140 MPH Wind Load, Add	*1.59*	
		For Up To 1,500, Add	*10.80*	
		For >1,500 To 5,000, Add	*6.48*	
		For >5,000 To 10,000, Add	*1.08*	
07 61 19 00-0006		Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		
07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	39.05	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*3.50*	
		For 140 MPH Wind Load, Add	*1.45*	
		For Up To 1,500, Add	*9.76*	
		For >1,500 To 5,000, Add	*5.86*	
		For >5,000 To 10,000, Add	*0.98*	
		For Tin/Copper, Deduct	*-0.61*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	47.59	4.36
		For Steep Roof, Over 6 To 12, Add	*2.62*	
		For Panels <16" Wide, Add	*3.99*	
		For 140 MPH Wind Load, Add	*1.65*	
		For Up To 1,500, Add	*11.90*	
		For >1,500 To 5,000, Add	*7.14*	
		For >5,000 To 10,000, Add	*1.19*	
		For Tin/Copper, Deduct	*-0.78*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	53.44	4.57
		For Steep Roof, Over 6 To 12, Add	*2.73*	
		For Panels <16" Wide, Add	*4.36*	
		For 140 MPH Wind Load, Add	*1.80*	
		For Up To 1,500, Add	*13.36*	
		For >1,500 To 5,000, Add	*8.02*	
		For >5,000 To 10,000, Add	*1.34*	
		For Tin/Copper, Deduct	*-0.89*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	66.83	4.78
		For Steep Roof, Over 6 To 12, Add	*2.87*	
		For Panels <16" Wide, Add	*5.11*	
		For 140 MPH Wind Load, Add	*2.10*	
		For Up To 1,500, Add	*16.71*	
		For >1,500 To 5,000, Add	*10.02*	
		For >5,000 To 10,000, Add	*1.67*	
		For Tin/Copper, Deduct	*-1.15*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001		Lead Flashing And Trim *(07 62 13)*		
07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	25.49	6.52
		For Up To 100, Add	*6.37*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	33.02	6.52
		For Up To 100, Add	*8.26*	
07 62 13 00-0004		Copper Flashing And Trim *(07 62 13)*		
07 62 13 00-0005		Copper Flashing And Trim *(07 62 13 00-0004)*		
07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	30.16	6.37
		For Up To 100, Add	*7.54*	
		For >500 To 2,000, Deduct	*-4.17*	
		For >2,000, Deduct	*-5.05*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.52*	
		For Wrap Around Window Panning, Add	*12.60*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	31.16	6.52
		For Up To 100, Add	*7.79*	
		For >500 To 2,000, Deduct	*-4.31*	
		For >2,000, Deduct	*-5.21*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.63*	
		For Wrap Around Window Panning, Add	*13.17*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	35.39	6.96
		For Up To 100, Add	*8.85*	
		For >500 To 2,000, Deduct	*-4.88*	
		For >2,000, Deduct	*-5.96*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.76*	
		For Wrap Around Window Panning, Add	*13.80*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	43.28	7.24
		For Up To 100, Add	*10.82*	
		For >500 To 2,000, Deduct	*-5.92*	
		For >2,000, Deduct	*-7.36*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.90*	
		For Wrap Around Window Panning, Add	*14.49*	
07 62 13 00-0010		Stainless Steel Flashing And Trim *(07 62 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0011		**Stainless Steel Flashing And Trim** *(07 62 13 00-0010)*		
07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	12.11	3.48
		For Up To 100, Add	*3.03*	
		For Wrap Around Window Panning, Add	*8.94*	
		For Mechanically Keyed Flashing, Add	*1.27*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	13.05	3.91
		For Up To 100, Add	*3.26*	
		For Wrap Around Window Panning, Add	*9.09*	
		For Mechanically Keyed Flashing, Add	*1.58*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	13.99	4.34
		For Up To 100, Add	*3.50*	
		For Wrap Around Window Panning, Add	*9.24*	
		For Mechanically Keyed Flashing, Add	*1.90*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	15.47	4.78
		For Up To 100, Add	*3.87*	
		For Wrap Around Window Panning, Add	*9.53*	
		For Mechanically Keyed Flashing, Add	*2.38*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	17.98	5.07
		For Up To 100, Add	*4.50*	
		For Wrap Around Window Panning, Add	*10.07*	
		For Mechanically Keyed Flashing, Add	*3.16*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	19.58	5.33
		For Up To 100, Add	*4.90*	
		For Wrap Around Window Panning, Add	*10.65*	
		For Mechanically Keyed Flashing, Add	*3.57*	
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	20.95	5.65
		For Up To 100, Add	*5.24*	
		For Wrap Around Window Panning, Add	*11.27*	
		For Mechanically Keyed Flashing, Add	*3.87*	
07 62 13 00-0019		**Aluminum Flashing And Trim** *(07 62 13)*		
07 62 13 00-0020		**Aluminum Flashing And Trim** *(07 62 13 00-0019)*		
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	14.29	4.49
		For Up To 100, Add	*3.57*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	15.22	4.49
		For Up To 100, Add	*3.81*	
		For Baked Aluminum Colors, Add	*0.52*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	15.97	4.49
		For Up To 100, Add	*3.99*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	17.04	4.49
		For Up To 100, Add	*4.26*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	18.54	4.49
		For Up To 100, Add	*4.64*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	19.46	4.49
		For Up To 100, Add	*4.87*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	20.21	4.49
		For Up To 100, Add	*5.05*	
		For Baked Aluminum Colors, Add	*1.02*	
		For Wrap Around Window Panning, Add	*9.99*	
07 62 13 00-0028		**Steel Flashing And Trim** *(07 62 13)*		
07 62 13 00-0029		**Galvanized Steel Flashing And Trim** *(07 62 13 00-0028)*		
07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	13.93	4.34
		For Up To 100, Add	*3.48*	
		For Wrap Around Window Panning, Add	*9.24*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	14.47	4.78
		For Up To 100, Add	*3.62*	
		For Wrap Around Window Panning, Add	*9.53*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	15.41	5.07
		For Up To 100, Add	*3.85*	
		For Wrap Around Window Panning, Add	*10.07*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	16.37	5.33
		For Up To 100, Add	*4.09*	
		For Wrap Around Window Panning, Add	*10.65*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	17.67	5.65
		For Up To 100, Add	*4.42*	
		For Wrap Around Window Panning, Add	*11.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19		**Fabricated Gravel Stops and Fasciae** *(07 62)*		
07 62 19 00-0001		Drip Edge *(07 62 19)*		
07 62 19 00-0002		Aluminum Drip Edge *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.61	2.24
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.04	2.39
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.33	2.68
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.29	2.83
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.74	2.98
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.56	2.24
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.10	2.39
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.91	2.68
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.18	2.83
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.53	2.98
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.50	2.24
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.36	2.39
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.43	2.68
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.08	2.83
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.06	2.98
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.40	2.24
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.89	2.39
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.44	2.68
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.87	2.83
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.12	2.98
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.03	2.24
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.84	2.39
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.44	2.68
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.14	2.83
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.80	2.98
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.24	2.24
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.68	2.39
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.91	2.68
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.56	2.83
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	47.70	2.98
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.40	2.24
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.89	2.39
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.92	2.68
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	43.88	2.83
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	56.12	2.98
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.20	2.24
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.95	2.39
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.92	2.68
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	51.46	2.83
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	66.23	2.98
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	12.16	2.24
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.71	2.39
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	16.47	2.68
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	19.39	2.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	23.98	2.98
07 62 19 00-0059		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	12.81	2.24
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.44	2.39
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	17.56	2.68
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	20.69	2.83
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	25.21	2.98
07 62 19 00-0065		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	13.47	2.24
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	16.31	2.39
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	18.61	2.68
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	22.00	2.83
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	26.95	2.98
07 62 19 00-0071		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	14.77	2.24
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	18.05	2.39
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	20.68	2.68
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	24.61	2.83
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	30.44	2.98
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	15.21	2.24
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	18.70	2.39
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	21.37	2.68
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	25.49	2.83
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	31.60	2.98
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	16.73	2.24
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	20.66	2.39
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	23.77	2.68
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	28.54	2.83
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	35.67	2.98
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	18.91	2.24
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	23.57	2.39
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	27.22	2.68
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	32.90	2.83
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	41.48	2.98
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	21.53	2.24
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	27.06	2.39
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	31.36	2.68
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	38.13	2.83
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	48.45	2.98
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.08	2.24
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.69	2.39
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.07	2.68
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.24	2.83
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.05	2.98
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.09	2.24
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.80	2.39
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.75	2.68
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.25	2.83
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.95	2.98
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.09	2.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.14	2.39
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.37	2.68
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.25	2.83
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	36.63	2.98
07 62 19 00-0120		0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.10	2.24
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.82	2.39
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.55	2.68
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.27	2.83
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.99	2.98
07 62 19 00-0126		0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.77	2.24
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.83	2.39
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.61	2.68
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.61	2.83
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.77	2.98
07 62 19 00-0132		0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.12	2.24
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.84	2.39
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.29	2.68
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.30	2.83
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	50.02	2.98
07 62 19 00-0138		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.47	2.24
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.31	2.39
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.60	2.68
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	46.00	2.83
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	58.95	2.98
07 62 19 00-0144		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.48	2.24
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.67	2.39
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.96	2.68
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	54.04	2.83
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	69.67	2.98
07 62 19 00-0150		Galvanized Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	13.97	2.24
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	17.05	2.39
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	19.42	2.68
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	23.02	2.83
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	28.31	2.98
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	15.07	2.24
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	18.51	2.39
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	21.14	2.68
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	25.21	2.83
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	31.20	2.98
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.24	2.24
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	21.43	2.39
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	24.60	2.68
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	29.55	2.83
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	37.03	2.98
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	18.82	2.24
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.55	2.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	27.10	2.68
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	32.71	2.83
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	41.24	2.98
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	23.27	2.24
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	29.39	2.39
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	34.13	2.68
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	41.62	2.83
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	53.11	2.98
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	28.49	2.24
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	36.34	2.39
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	42.41	2.68
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	52.05	2.83
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	67.02	2.98
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	34.63	2.24
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	44.52	2.39
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	52.12	2.68
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	64.32	2.83
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	83.38	2.98

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	101.17
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	121.48
		For Pourable Sealer Filled, Add	*91.38*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	147.50
		For Pourable Sealer Filled, Add	*162.37*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	161.95
		For Pourable Sealer Filled, Add	*202.96*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	175.51
		For Pourable Sealer Filled, Add	*243.55*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	205.79
		For Pourable Sealer Filled, Add	*365.33*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	104.92
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	125.71
		For Pourable Sealer Filled, Add	*91.38*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	152.92
		For Pourable Sealer Filled, Add	*162.37*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	170.58
		For Pourable Sealer Filled, Add	*202.96*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	183.91
		For Pourable Sealer Filled, Add	*243.55*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	214.81
		For Pourable Sealer Filled, Add	*365.33*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

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			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	111.56	
			For Pourable Sealer Filled, Add	*40.59*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0018	EA		6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	132.55	
			For Pourable Sealer Filled, Add	*91.38*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0019	EA		8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	154.12	
			For Pourable Sealer Filled, Add	*162.37*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0020	EA		8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	167.61	
			For Pourable Sealer Filled, Add	*202.96*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0021	EA		8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	179.99	
			For Pourable Sealer Filled, Add	*243.55*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0022	SF		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	207.92	
			For Pourable Sealer Filled, Add	*365.33*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA		Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	96.74	
			For Pourable Sealer Filled, Add	*40.59*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0025	EA		Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	109.28	
			For Pourable Sealer Filled, Add	*91.38*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0026	EA		Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	125.79	
			For Pourable Sealer Filled, Add	*162.37*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0027	EA		Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	136.47	
			For Pourable Sealer Filled, Add	*202.96*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0028	EA		Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	147.15	
			For Pourable Sealer Filled, Add	*243.55*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	173.24	
			For Pourable Sealer Filled, Add	*365.33*	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA		1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Diameter Pipe	104.66	34.92
07 63 00 00-0032	EA		1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Diameter Pipe	104.66	34.92
07 63 00 00-0033	EA		2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Diameter Pipe	124.17	34.92
07 63 00 00-0034	EA		3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Diameter Pipe	135.32	34.92
07 63 00 00-0035	EA		4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Diameter Pipe	140.90	34.92
07 63 00 00-0036	EA		4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Diameter Pipe	143.69	34.92
07 63 00 00-0037	EA		6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Diameter Pipe	171.56	34.92
07 63 00 00-0038	EA		8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Diameter Pipe	184.11	34.92

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA		2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	90.33	22.57
07 63 00 00-0041	EA		3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	91.60	22.57
07 63 00 00-0042	EA		4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	96.17	22.57
07 63 00 00-0043	EA		6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	100.11	22.57

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF		60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	16.63	2.78

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Neoprene Flashing *(07 65 19 00-0002)*

07 65 19 00-0004	LF		6" Wide Strip, 60 Mil, Neoprene Flashing	11.89	4.00
07 65 19 00-0005	LF		12" Wide Strip, 60 Mil, Neoprene Flashing	15.37	4.30
07 65 19 00-0006	LF		18" Wide Strip, 60 Mil, Neoprene Flashing	19.29	4.74
07 65 19 00-0007	LF		24" Wide Strip, 60 Mil, Neoprene Flashing	23.46	5.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 65 33		**Flexible Roof Boot** *(07 65)*		
07 65 33 00-0001		Neoprene Roof Boot *(07 65 33)*		
07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	51.44	12.32
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	59.86	13.80
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	66.01	14.84

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.44	3.21
		For Up To 25 LF, Add	*5.79*	
		For >25 To 100 LF, Add	*2.89*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	38.48	3.49
		For Up To 25 LF, Add	*6.17*	
		For >25 To 100 LF, Add	*3.09*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	43.76	3.67
		For Up To 25 LF, Add	*6.82*	
		For >25 To 100 LF, Add	*3.41*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	50.75	4.02
		For Up To 25 LF, Add	*7.76*	
		For >25 To 100 LF, Add	*3.88*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	61.06	4.20
		For Up To 25 LF, Add	*8.91*	
		For >25 To 100 LF, Add	*4.45*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.19	3.21
		For Up To 25 LF, Add	*5.06*	
		For >25 To 100 LF, Add	*2.53*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.18	3.49
		For Up To 25 LF, Add	*5.44*	
		For >25 To 100 LF, Add	*2.72*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.19	3.67
		For Up To 25 LF, Add	*6.06*	
		For >25 To 100 LF, Add	*3.03*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	43.07	4.02
		For Up To 25 LF, Add	*6.99*	
		For >25 To 100 LF, Add	*3.50*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	53.20	4.20
		For Up To 25 LF, Add	*8.12*	
		For >25 To 100 LF, Add	*4.06*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.57	3.21
		For Up To 25 LF, Add	*5.30*	
		For >25 To 100 LF, Add	*2.65*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.72	3.49
		For Up To 25 LF, Add	*5.70*	
		For >25 To 100 LF, Add	*2.85*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	39.20	3.67
		For Up To 25 LF, Add	*6.36*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	46.71	4.02
		For Up To 25 LF, Add	*7.36*	
		For >25 To 100 LF, Add	*3.68*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	57.81	4.20
		For Up To 25 LF, Add	*8.58*	
		For >25 To 100 LF, Add	*4.29*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.53	3.21
		For Up To 25 LF, Add	*5.50*	
		For >25 To 100 LF, Add	*2.75*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.98	3.49
		For Up To 25 LF, Add	*5.92*	
		For >25 To 100 LF, Add	*2.96*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.94	3.67
		For Up To 25 LF, Add	*6.74*	
		For >25 To 100 LF, Add	*3.37*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	53.41	4.02
		For Up To 25 LF, Add	*8.03*	
		For >25 To 100 LF, Add	*4.01*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	68.66	4.20
		For Up To 25 LF, Add	*9.67*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.91	3.21
		For Up To 25 LF, Add	*6.14*	
		For >25 To 100 LF, Add	*3.07*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.60	3.49
		For Up To 25 LF, Add	*6.58*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.73	3.67
		For Up To 25 LF, Add	*7.42*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	59.44	4.02
		For Up To 25 LF, Add	*8.63*	
		For >25 To 100 LF, Add	*4.31*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.98	4.20
		For Up To 25 LF, Add	*10.20*	
		For >25 To 100 LF, Add	*5.10*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.36	3.21
		For Up To 25 LF, Add	*6.48*	
		For >25 To 100 LF, Add	*3.24*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.28	3.49
		For Up To 25 LF, Add	*6.95*	
		For >25 To 100 LF, Add	*3.48*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	54.09	3.67
		For Up To 25 LF, Add	*7.85*	
		For >25 To 100 LF, Add	*3.93*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	64.71	4.02
		For Up To 25 LF, Add	*9.16*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	80.68	4.20
		For Up To 25 LF, Add	*10.87*	
		For >25 To 100 LF, Add	*5.43*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.20	3.21
		For Up To 25 LF, Add	*6.76*	
		For >25 To 100 LF, Add	*3.38*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.56	3.49
		For Up To 25 LF, Add	*7.28*	
		For >25 To 100 LF, Add	*3.64*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	59.51	3.67
		For Up To 25 LF, Add	*8.40*	
		For >25 To 100 LF, Add	*4.20*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	74.43	4.02
		For Up To 25 LF, Add	*10.13*	
		For >25 To 100 LF, Add	*5.06*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	96.41	4.20
		For Up To 25 LF, Add	*12.44*	
		For >25 To 100 LF, Add	*6.22*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.98	3.21
		For Up To 25 LF, Add	*6.34*	
		For >25 To 100 LF, Add	*3.17*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.81	3.49
		For Up To 25 LF, Add	*6.81*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.34	3.67
		For Up To 25 LF, Add	*7.68*	
		For >25 To 100 LF, Add	*3.84*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	62.60	4.02
		For Up To 25 LF, Add	*8.94*	
		For >25 To 100 LF, Add	*4.47*	
		For >1,000 LF, Deduct	*-0.67*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	78.00	4.20
			For Up To 25 LF, Add	*10.60*	
			For >25 To 100 LF, Add	*5.30*	
			For >1,000 LF, Deduct	*-0.70*	
07 71 13 00-0054			0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
	07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.64	3.21
			For Up To 25 LF, Add	*6.71*	
			For >25 To 100 LF, Add	*3.35*	
			For >1,000 LF, Deduct	*-0.54*	
	07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.71	3.49
			For Up To 25 LF, Add	*7.20*	
			For >25 To 100 LF, Add	*3.60*	
			For >1,000 LF, Deduct	*-0.58*	
	07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	56.97	3.67
			For Up To 25 LF, Add	*8.14*	
			For >25 To 100 LF, Add	*4.07*	
			For >1,000 LF, Deduct	*-0.61*	
	07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	68.19	4.02
			For Up To 25 LF, Add	*9.50*	
			For >25 To 100 LF, Add	*4.75*	
			For >1,000 LF, Deduct	*-0.67*	
	07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	85.10	4.20
			For Up To 25 LF, Add	*11.31*	
			For >25 To 100 LF, Add	*5.66*	
			For >1,000 LF, Deduct	*-0.70*	
07 71 13 00-0060			0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
	07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.65	3.21
			For Up To 25 LF, Add	*7.01*	
			For >25 To 100 LF, Add	*3.50*	
			For >1,000 LF, Deduct	*-0.54*	
	07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.19	3.49
			For Up To 25 LF, Add	*7.54*	
			For >25 To 100 LF, Add	*3.77*	
			For >1,000 LF, Deduct	*-0.58*	
	07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	62.71	3.67
			For Up To 25 LF, Add	*8.72*	
			For >25 To 100 LF, Add	*4.36*	
			For >1,000 LF, Deduct	*-0.61*	
	07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	78.49	4.02
			For Up To 25 LF, Add	*10.53*	
			For >25 To 100 LF, Add	*5.27*	
			For >1,000 LF, Deduct	*-0.67*	
	07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	101.77	4.20
			For Up To 25 LF, Add	*12.98*	
			For >25 To 100 LF, Add	*6.49*	
			For >1,000 LF, Deduct	*-0.70*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001			Gravel Stop *(07 71 19)*		
07 71 19 00-0002			Aluminum Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0003			Aluminum Gravel Stop *(07 71 19 00-0002)*		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
	07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.05	2.53
			For Up To 25 LF, Add	*7.29*	
			For >25 To 100 LF, Add	*3.64*	
			For >1,000 LF, Deduct	*-0.75*	
	07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.67	2.98
			For Up To 25 LF, Add	*7.99*	
			For >25 To 100 LF, Add	*3.99*	
			For >1,000 LF, Deduct	*-0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.32	3.27
		For Up To 25 LF, Add	*8.62*	
		For >25 To 100 LF, Add	*4.31*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.67	2.53
		For Up To 25 LF, Add	*7.55*	
		For >25 To 100 LF, Add	*3.78*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.41	2.98
		For Up To 25 LF, Add	*8.26*	
		For >25 To 100 LF, Add	*4.13*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.20	3.27
		For Up To 25 LF, Add	*8.91*	
		For >25 To 100 LF, Add	*4.46*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.08	2.53
		For Up To 25 LF, Add	*7.89*	
		For >25 To 100 LF, Add	*3.95*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.67	2.98
		For Up To 25 LF, Add	*8.59*	
		For >25 To 100 LF, Add	*4.29*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.83	3.27
		For Up To 25 LF, Add	*9.28*	
		For >25 To 100 LF, Add	*4.64*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	51.40	2.53
		For Up To 25 LF, Add	*8.12*	
		For >25 To 100 LF, Add	*4.06*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	53.08	2.98
		For Up To 25 LF, Add	*8.83*	
		For >25 To 100 LF, Add	*4.41*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	55.38	3.27
		For Up To 25 LF, Add	*9.53*	
		For >25 To 100 LF, Add	*4.77*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	28.52	2.53
		For Up To 25 LF, Add	*5.84*	
		For >25 To 100 LF, Add	*2.92*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	30.88	2.98
		For Up To 25 LF, Add	*6.61*	
		For >25 To 100 LF, Add	*3.30*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	33.22	3.27
		For Up To 25 LF, Add	*7.31*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	30.70	2.53
		For Up To 25 LF, Add	*6.05*	
		For >25 To 100 LF, Add	*3.03*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	32.77	2.98
		For Up To 25 LF, Add	*6.80*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	34.68	3.27
		For Up To 25 LF, Add	*7.46*	
		For >25 To 100 LF, Add	*3.73*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	32.88	2.53
		For Up To 25 LF, Add	*6.27*	
		For >25 To 100 LF, Add	*3.14*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	34.95	2.98
		For Up To 25 LF, Add	*7.02*	
		For >25 To 100 LF, Add	*3.51*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	37.04	3.27
		For Up To 25 LF, Add	*7.70*	
		For >25 To 100 LF, Add	*3.85*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	35.24	2.53
		For Up To 25 LF, Add	*6.51*	
		For >25 To 100 LF, Add	*3.25*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	37.13	2.98
		For Up To 25 LF, Add	*7.23*	
		For >25 To 100 LF, Add	*3.62*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	38.79	3.27
		For Up To 25 LF, Add	*7.87*	
		For >25 To 100 LF, Add	*3.94*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	51.11	2.53
		For Up To 25 LF, Add	*8.10*	
		For >25 To 100 LF, Add	*4.05*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	53.08	2.98
		For Up To 25 LF, Add	*8.83*	
		For >25 To 100 LF, Add	*4.41*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.85	3.27
		For Up To 25 LF, Add	*9.48*	
		For >25 To 100 LF, Add	*4.74*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.25	2.53
		For Up To 25 LF, Add	*8.41*	
		For >25 To 100 LF, Add	*4.20*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.36	2.98
		For Up To 25 LF, Add	*9.16*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.28	3.27
		For Up To 25 LF, Add	*9.82*	
		For >25 To 100 LF, Add	*4.91*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.35	2.53
		For Up To 25 LF, Add	*8.82*	
		For >25 To 100 LF, Add	*4.41*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.28	2.98
		For Up To 25 LF, Add	*9.55*	
		For >25 To 100 LF, Add	*4.77*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	61.91	3.27
		For Up To 25 LF, Add	*10.18*	
		For >25 To 100 LF, Add	*5.09*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	61.13	2.53
		For Up To 25 LF, Add	*9.10*	
		For >25 To 100 LF, Add	*4.55*	
		For >1,000 LF, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	63.17	2.98
		For Up To 25 LF, Add	*9.84*	
		For >25 To 100 LF, Add	*4.92*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	64.91	3.27
		For Up To 25 LF, Add	*10.48*	
		For >25 To 100 LF, Add	*5.24*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	48.51	2.68
		For Up To 25 LF, Add	*8.13*	
		For >25 To 100 LF, Add	*4.07*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.73	3.20
		For Up To 25 LF, Add	*9.05*	
		For >25 To 100 LF, Add	*4.52*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.36	3.65
		For Up To 25 LF, Add	*9.95*	
		For >25 To 100 LF, Add	*4.97*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.13	2.68
		For Up To 25 LF, Add	*8.39*	
		For >25 To 100 LF, Add	*4.20*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.46	3.20
		For Up To 25 LF, Add	*9.32*	
		For >25 To 100 LF, Add	*4.66*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	58.24	3.65
		For Up To 25 LF, Add	*10.24*	
		For >25 To 100 LF, Add	*5.12*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.54	2.68
		For Up To 25 LF, Add	*8.73*	
		For >25 To 100 LF, Add	*4.37*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	57.73	3.20
		For Up To 25 LF, Add	*9.65*	
		For >25 To 100 LF, Add	*4.82*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	61.87	3.65
		For Up To 25 LF, Add	*10.60*	
		For >25 To 100 LF, Add	*5.30*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.86	2.68
		For Up To 25 LF, Add	*8.97*	
		For >25 To 100 LF, Add	*4.48*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	60.13	3.20
		For Up To 25 LF, Add	*9.89*	
		For >25 To 100 LF, Add	*4.94*	
		For >1,000 LF, Deduct	*-0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	64.42	3.65
		For Up To 25 LF, Add	*10.85*	
		For >25 To 100 LF, Add	*5.43*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.00	2.68
		For Up To 25 LF, Add	*6.88*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.68	3.20
		For Up To 25 LF, Add	*7.74*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.72	3.65
		For Up To 25 LF, Add	*8.58*	
		For >25 To 100 LF, Add	*4.29*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.81	2.68
		For Up To 25 LF, Add	*7.06*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.56	3.20
		For Up To 25 LF, Add	*7.93*	
		For >25 To 100 LF, Add	*3.96*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.72	3.65
		For Up To 25 LF, Add	*8.78*	
		For >25 To 100 LF, Add	*4.39*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.16	2.68
		For Up To 25 LF, Add	*7.30*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.82	3.20
		For Up To 25 LF, Add	*8.15*	
		For >25 To 100 LF, Add	*4.08*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	46.08	3.65
		For Up To 25 LF, Add	*9.02*	
		For >25 To 100 LF, Add	*4.51*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0086		0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.76	2.68
		For Up To 25 LF, Add	*7.46*	
		For >25 To 100 LF, Add	*3.73*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.47	3.20
		For Up To 25 LF, Add	*8.32*	
		For >25 To 100 LF, Add	*4.16*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	47.83	3.65
		For Up To 25 LF, Add	*9.20*	
		For >25 To 100 LF, Add	*4.60*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0090		Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0091		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	56.57	2.68
		For Up To 25 LF, Add	*8.94*	
		For >25 To 100 LF, Add	*4.47*	
		For >1,000 LF, Deduct	*-0.82*	

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07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	60.14	3.20
		For Up To 25 LF, Add	*9.89*	
		For >25 To 100 LF, Add	*4.94*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.89	3.65
		For Up To 25 LF, Add	*10.80*	
		For >25 To 100 LF, Add	*5.40*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0095		**0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.71	2.68
		For Up To 25 LF, Add	*9.25*	
		For >25 To 100 LF, Add	*4.63*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.42	3.20
		For Up To 25 LF, Add	*10.21*	
		For >25 To 100 LF, Add	*5.11*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	67.32	3.65
		For Up To 25 LF, Add	*11.14*	
		For >25 To 100 LF, Add	*5.57*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0099		**0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.81	2.68
		For Up To 25 LF, Add	*9.66*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	67.34	3.20
		For Up To 25 LF, Add	*10.61*	
		For >25 To 100 LF, Add	*5.30*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	70.95	3.65
		For Up To 25 LF, Add	*11.51*	
		For >25 To 100 LF, Add	*5.75*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0103		**0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.59	2.68
		For Up To 25 LF, Add	*9.94*	
		For >25 To 100 LF, Add	*4.97*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	70.22	3.20
		For Up To 25 LF, Add	*10.89*	
		For >25 To 100 LF, Add	*5.45*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	73.95	3.65
		For Up To 25 LF, Add	*11.81*	
		For >25 To 100 LF, Add	*5.90*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0107		**Stainless Steel Gravel Stop** *(07 71 19 00-0001)*		
07 71 19 00-0108		**Stainless Steel Gravel Stop** *(07 71 19 00-0107)*		
07 71 19 00-0109		**26 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	41.31	2.53
		For Up To 25 LF, Add	*7.12*	
		For >25 To 100 LF, Add	*3.56*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	54.10	2.98
		For Up To 25 LF, Add	*8.93*	
		For >25 To 100 LF, Add	*4.47*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	79.72	3.27
		For Up To 25 LF, Add	*11.96*	
		For >25 To 100 LF, Add	*5.98*	
		For >1,000 LF, Deduct	*-1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0113		**24 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	51.12	2.53
		For Up To 25 LF, Add	*8.10*	
		For >25 To 100 LF, Add	*4.05*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	67.19	2.98
		For Up To 25 LF, Add	*10.24*	
		For >25 To 100 LF, Add	*5.12*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	99.35	3.27
		For Up To 25 LF, Add	*13.93*	
		For >25 To 100 LF, Add	*6.96*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0117		**22 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	61.55	2.53
		For Up To 25 LF, Add	*9.14*	
		For >25 To 100 LF, Add	*4.57*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	81.09	2.98
		For Up To 25 LF, Add	*11.63*	
		For >25 To 100 LF, Add	*5.81*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	120.21	3.27
		For Up To 25 LF, Add	*16.01*	
		For >25 To 100 LF, Add	*8.01*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0121		**Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		**26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	48.69	2.68
		For Up To 25 LF, Add	*8.15*	
		For >25 To 100 LF, Add	*4.07*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	63.67	3.20
		For Up To 25 LF, Add	*10.24*	
		For >25 To 100 LF, Add	*5.12*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	92.01	3.65
		For Up To 25 LF, Add	*13.61*	
		For >25 To 100 LF, Add	*6.81*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0126		**24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	58.51	2.68
		For Up To 25 LF, Add	*9.13*	
		For >25 To 100 LF, Add	*4.57*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	76.76	3.20
		For Up To 25 LF, Add	*11.55*	
		For >25 To 100 LF, Add	*5.77*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	111.65	3.65
		For Up To 25 LF, Add	*15.58*	
		For >25 To 100 LF, Add	*7.79*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0130		**22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	68.94	2.68
		For Up To 25 LF, Add	*10.17*	
		For >25 To 100 LF, Add	*5.09*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	90.66	3.20
		For Up To 25 LF, Add	*12.94*	
		For >25 To 100 LF, Add	*6.47*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	132.51	3.65
		For Up To 25 LF, Add	*17.66*	
		For >25 To 100 LF, Add	*8.83*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0134		**Galvanized Steel Gravel Stop** *(07 71 19 00-0001)*		
07 71 19 00-0135		**Galvanized Steel Gravel Stop** *(07 71 19 00-0134)*		
07 71 19 00-0136		**KYNAR 500® Finish, Galvanized Steel Gravel Stop** *(07 71 19 00-0135)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	39.58	2.53
		For Up To 25 LF, Add	*6.94*	
		For >25 To 100 LF, Add	*3.47*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	41.15	2.98
		For Up To 25 LF, Add	*7.64*	
		For >25 To 100 LF, Add	*3.82*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	42.96	3.27
		For Up To 25 LF, Add	*8.29*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	45.19	2.68
		For Up To 25 LF, Add	*7.80*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	48.40	3.20
		For Up To 25 LF, Add	*8.71*	
		For >25 To 100 LF, Add	*4.36*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	52.26	3.65
		For Up To 25 LF, Add	*9.64*	
		For >25 To 100 LF, Add	*4.82*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	65.39	2.53
		For Up To 25 LF, Add	*9.52*	
		For >25 To 100 LF, Add	*4.76*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	74.92	2.98
		For Up To 25 LF, Add	*11.01*	
		For >25 To 100 LF, Add	*5.51*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	86.51	3.27
		For Up To 25 LF, Add	*12.64*	
		For >25 To 100 LF, Add	*6.32*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	79.13	2.53
		For Up To 25 LF, Add	*10.90*	
		For >25 To 100 LF, Add	*5.45*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	91.71	2.98
		For Up To 25 LF, Add	*12.69*	
		For >25 To 100 LF, Add	*6.35*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	104.83	3.27
		For Up To 25 LF, Add	*14.48*	
		For >25 To 100 LF, Add	*7.24*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	68.12	2.68
		For Up To 25 LF, Add	*10.09*	
		For >25 To 100 LF, Add	*5.05*	
		For >1,000 LF, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	78.39	3.20
		For Up To 25 LF, Add	*11.71*	
		For >25 To 100 LF, Add	*5.86*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	90.92	3.65
		For Up To 25 LF, Add	*13.50*	
		For >25 To 100 LF, Add	*6.75*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	81.86	2.68
		For Up To 25 LF, Add	*11.47*	
		For >25 To 100 LF, Add	*5.73*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	95.19	3.20
		For Up To 25 LF, Add	*13.39*	
		For >25 To 100 LF, Add	*6.70*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	109.24	3.65
		For Up To 25 LF, Add	*15.34*	
		For >25 To 100 LF, Add	*7.67*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	48.11	3.73
		For Up To 25 LF, Add	*7.80*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	54.01	3.88
		For Up To 25 LF, Add	*8.50*	
		For >25 To 100 LF, Add	*4.25*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	57.81	4.02
		For Up To 25 LF, Add	*9.00*	
		For >25 To 100 LF, Add	*4.50*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	328.07	5.22
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	350.29	5.22
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	364.25	5.22
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	267.56	5.22
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	278.78	5.22
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	285.61	5.22
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.67	3.73
		For Up To 25 LF, Add	*5.55*	
		For >25 To 100 LF, Add	*2.78*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.83	3.88
		For Up To 25 LF, Add	*5.98*	
		For >25 To 100 LF, Add	*2.99*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.54	4.02
		For Up To 25 LF, Add	*6.27*	
		For >25 To 100 LF, Add	*3.14*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.86	3.73
		For Up To 25 LF, Add	*5.67*	
		For >25 To 100 LF, Add	*2.84*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.36	3.88
		For Up To 25 LF, Add	*6.14*	
		For >25 To 100 LF, Add	*3.07*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.26	4.02
		For Up To 25 LF, Add	*6.45*	
		For >25 To 100 LF, Add	*3.22*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	155.31	5.22
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	168.18	5.22
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	173.81	5.22
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	123.59	5.22
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	130.00	5.22
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	132.81	5.22
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.31	3.73
		For Up To 25 LF, Add	*5.92*	
		For >25 To 100 LF, Add	*2.96*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.04	3.88
		For Up To 25 LF, Add	*6.40*	
		For >25 To 100 LF, Add	*3.20*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.04	4.02
		For Up To 25 LF, Add	*6.72*	
		For >25 To 100 LF, Add	*3.36*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.74	3.73
		For Up To 25 LF, Add	*6.06*	
		For >25 To 100 LF, Add	*3.03*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	34.88	3.88
		For Up To 25 LF, Add	*6.59*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	37.10	4.02
		For Up To 25 LF, Add	*6.93*	
		For >25 To 100 LF, Add	*3.47*	
		For >1,000 LF, Deduct	*-0.81*	

07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*

07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*

07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	191.54	5.22
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	207.62	5.22
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	214.65	5.22

07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*

07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	151.88	5.22
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	159.90	5.22
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	163.40	5.22

07 71 23 Manufactured Gutters and Downspouts *(07 71)*

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts *(07 71 23)*

07 71 23 00-0002 Aluminum Gutters *(07 71 23 00-0001)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.86	5.36
		For Up To 100', Add	*2.51*	
		For >100' To 250', Add	*1.04*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*1.36*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	13.13	5.65
		For Up To 100', Add	*2.70*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*1.74*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	12.30	5.36
		For Up To 100', Add	*2.56*	
		For >100' To 250', Add	*1.06*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*1.56*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	13.69	5.65
		For Up To 100', Add	*2.76*	
		For >100' To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*1.99*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	24.26	5.94
		For Up To 100', Add	*3.92*	
		For >100' To 250', Add	*1.71*	
		For >1,000', Deduct	*-1.00*	
		For Kynar 500® Finish, Add	*6.42*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	26.61	6.67
		For Up To 100', Add	*4.31*	
		For >100' To 250', Add	*1.88*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*7.02*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	29.62	6.67
		For Up To 100', Add	*4.61*	
		For >100' To 250', Add	*2.03*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*8.37*	

07 71 23 00-0011 Half Round Aluminum Gutters *(07 71 23 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	20.58	5.36
		For Up To 100', Add	*3.38*	
		For >100' To 250', Add	*1.47*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*5.28*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	24.56	5.65
		For Up To 100', Add	*3.85*	
		For >100' To 250', Add	*1.69*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*6.88*	
07 71 23 00-0014		**Box Style Aluminum Gutters** *(07 71 23 00-0002)*		
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	21.91	6.67
		For Up To 100', Add	*3.84*	
		For >100' To 250', Add	*1.65*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*4.91*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	21.96	6.67
		For Up To 100', Add	*3.85*	
		For >100' To 250', Add	*1.65*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*4.93*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	25.38	7.10
		For Up To 100', Add	*4.30*	
		For >100' To 250', Add	*1.86*	
		For >1,000', Deduct	*-1.17*	
		For Kynar 500® Finish, Add	*6.14*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	28.53	7.53
		For Up To 100', Add	*4.72*	
		For >100' To 250', Add	*2.05*	
		For >1,000', Deduct	*-1.25*	
		For Kynar 500® Finish, Add	*7.23*	
07 71 23 00-0019		**Aluminum Gutter End Caps** *(07 71 23 00-0001)*		
07 71 23 00-0020		**K-Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	3.95	
		For Kynar 500® Finish, Add	*0.47*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.80	
		For Kynar 500® Finish, Add	*0.86*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	10.00	
		For Kynar 500® Finish, Add	*3.20*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	11.59	
		For Kynar 500® Finish, Add	*3.91*	
07 71 23 00-0025		**Half Round, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.13	
		For Kynar 500® Finish, Add	*1.45*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	9.29	
		For Kynar 500® Finish, Add	*2.88*	
07 71 23 00-0028		**Box Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	10.87	
		For Kynar 500® Finish, Add	*3.59*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	11.78	
		For Kynar 500® Finish, Add	*4.00*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	13.77	
		For Kynar 500® Finish, Add	*4.89*	
07 71 23 00-0032		**Aluminum Gutter Miters** *(07 71 23 00-0001)*		
		Note: Inside or outside miters.		
07 71 23 00-0033		**K-Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	22.94	
		For Kynar 500® Finish, Add	*3.74*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	30.03	
		For Kynar 500® Finish, Add	*6.47*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	85.88	
		For Kynar 500® Finish, Add	*31.15*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	93.18	
		For Kynar 500® Finish, Add	*33.91*	
07 71 23 00-0038		**Half Round, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	38.19	
		For Kynar 500® Finish, Add	*10.60*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	59.04	
		For Kynar 500® Finish, Add	*19.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0041		**Box Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	69.89	
		For Kynar 500® Finish, Add	*24.41*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	103.19	
		For Kynar 500® Finish, Add	*38.94*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	112.02	
		For Kynar 500® Finish, Add	*42.39*	
07 71 23 00-0045		**Aluminum Gutter Wire Strainers** *(07 71 23 00-0001)*		
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	17.09	3.62
		For Kynar 500® Finish, Add	*4.30*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.77*	
		For 0.031" Thick, Add	*4.01*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	25.13	3.62
		For Kynar 500® Finish, Add	*7.92*	
		For 0.024" Thick, Add	*2.46*	
		For 0.027" Thick, Add	*5.10*	
		For 0.031" Thick, Add	*7.39*	
07 71 23 00-0048		**Aluminum Downspouts** *(07 71 23 00-0001)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	7.91	3.48
		For Up To 100', Add	*1.36*	
		For >100 To 250', Add	*0.58*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*1.86*	
		For 0.024" Thick, Add	*0.58*	
		For 0.027" Thick, Add	*1.20*	
		For 0.031" Thick, Add	*1.74*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	8.88	3.48
		For Up To 100', Add	*1.45*	
		For >100 To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*2.30*	
		For 0.024" Thick, Add	*0.72*	
		For 0.027" Thick, Add	*1.48*	
		For 0.031" Thick, Add	*2.15*	
07 71 23 00-0052		**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	5.89	3.48
		For Up To 100', Add	*1.15*	
		For >100 To 250', Add	*0.48*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*0.95*	
		For 0.024" Thick, Add	*0.30*	
		For 0.027" Thick, Add	*0.61*	
		For 0.031" Thick, Add	*0.89*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	7.13	3.48
		For Up To 100', Add	*1.28*	
		For >100 To 250', Add	*0.55*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*1.51*	
		For 0.024" Thick, Add	*0.47*	
		For 0.027" Thick, Add	*0.97*	
		For 0.031" Thick, Add	*1.41*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	12.33	3.48
		For Up To 100', Add	*1.80*	
		For >100 To 250', Add	*0.81*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*3.85*	
		For 0.024" Thick, Add	*1.20*	
		For 0.027" Thick, Add	*2.48*	
		For 0.031" Thick, Add	*3.60*	
07 71 23 00-0056		**Aluminum Devices** *(07 71 23 00-0001)*		
07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	287.89	33.38
		For Kynar 500® Finish, Add	*79.47*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	254.49	37.10
		For Kynar 500® Finish, Add	*81.14*	
07 71 23 00-0059		**Copper Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0060		**Copper Gutters** *(07 71 23 00-0059)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0061		**K-Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	20.13	5.07
		For Up To 100', Add	*3.27*	
		For >100' To 250', Add	*1.43*	
		For >1,000', Deduct	*-0.84*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	27.89	5.36
		For Up To 100', Add	*4.12*	
		For >100' To 250', Add	*1.84*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	33.00	5.65
		For Up To 100', Add	*4.69*	
		For >100' To 250', Add	*2.11*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	34.73	5.36
		For Up To 100', Add	*4.80*	
		For >100' To 250', Add	*2.18*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	42.69	5.65
		For Up To 100', Add	*5.66*	
		For >100' To 250', Add	*2.60*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	49.65	5.94
		For Up To 100', Add	*6.46*	
		For >100' To 250', Add	*2.98*	
		For >1,000', Deduct	*-1.00*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	55.18	6.67
		For Up To 100', Add	*7.17*	
		For >100' To 250', Add	*3.31*	
		For >1,000', Deduct	*-1.10*	
07 71 23 00-0069		**Half Round Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	24.32	5.36
		For Up To 100', Add	*3.76*	
		For >100' To 250', Add	*1.66*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	30.34	5.65
		For Up To 100', Add	*4.42*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	49.66	5.94
		For Up To 100', Add	*6.46*	
		For >100' To 250', Add	*2.98*	
		For >1,000', Deduct	*-1.00*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	28.06	5.36
		For Up To 100', Add	*4.13*	
		For >100' To 250', Add	*1.85*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	34.31	5.65
		For Up To 100', Add	*4.82*	
		For >100' To 250', Add	*2.18*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	52.08	5.94
		For Up To 100', Add	*6.71*	
		For >100' To 250', Add	*3.10*	
		For >1,000', Deduct	*-1.00*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	59.10	6.67
		For Up To 100', Add	*7.56*	
		For >100' To 250', Add	*3.51*	
		For >1,000', Deduct	*-1.10*	
07 71 23 00-0077		**Box Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	28.33	6.08
		For Up To 100', Add	*4.36*	
		For >100' To 250', Add	*1.92*	
		For >1,000', Deduct	*-1.02*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	30.49	6.67
		For Up To 100', Add	*4.70*	
		For >100' To 250', Add	*2.08*	
		For >1,000', Deduct	*-1.10*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	36.64	7.10
		For Up To 100', Add	*5.42*	
		For >100' To 250', Add	*2.42*	
		For >1,000', Deduct	*-1.17*	
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	37.52	7.53
		For Up To 100', Add	*5.62*	
		For >100' To 250', Add	*2.50*	
		For >1,000', Deduct	*-1.25*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	31.98	6.08
		For Up To 100', Add	*4.72*	
		For >100' To 250', Add	*2.11*	
		For >1,000', Deduct	*-1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	34.14	6.67
		For Up To 100', Add	*5.07*	
		For >100' To 250', Add	*2.26*	
		For >1,000', Deduct	*-1.10*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	40.29	7.10
		For Up To 100', Add	*5.79*	
		For >100' To 250', Add	*2.60*	
		For >1,000', Deduct	*-1.17*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	41.17	7.53
		For Up To 100', Add	*5.99*	
		For >100' To 250', Add	*2.68*	
		For >1,000', Deduct	*-1.25*	

07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0087 K-Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.94
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	7.39
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.83
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	19.79
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	23.99

07 71 23 00-0093 Half Round, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	8.27
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	9.21
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	13.59
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	39.64
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	46.71

07 71 23 00-0099 Box Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	15.31
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	16.04
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	16.77
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	18.23

07 71 23 00-0104 Copper Gutter Miters *(07 71 23 00-0059)*

Note: Inside or outside miters.

07 71 23 00-0105 K-Style, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	43.58
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	49.20
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	69.66
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	97.37
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	113.86

07 71 23 00-0111 Half Round, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	66.41
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	61.85
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	87.96
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	104.47
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	123.06

07 71 23 00-0117 Box Style, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	72.97
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	75.45
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	82.30
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	84.13
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	80.27
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	82.75
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	89.60
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	98.06

07 71 23 00-0126 Copper Gutter Wire Strainers *(07 71 23 00-0059)*

07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	21.98	3.62
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	26.73	3.62
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	42.22	3.62
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	55.72	3.62
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	67.02	3.62

07 71 23 00-0132 Copper Downspouts *(07 71 23 00-0059)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0133 Round Copper Downspouts *(07 71 23 00-0132)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	26.93	3.48
		For Up To 100', Add	*3.26*	
		For >100 To 250', Add	*1.54*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	19.02	3.48
		For Up To 100', Add	*2.47*	
		For >100 To 250', Add	*1.14*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	23.74	3.48
		For Up To 100', Add	*2.94*	
		For >100 To 250', Add	*1.38*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	37.42	3.48
		For Up To 100', Add	*4.31*	
		For >100 To 250', Add	*2.06*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	47.86	3.48
		For Up To 100', Add	*5.35*	
		For >100 To 250', Add	*2.58*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	25.42	3.48
		For Up To 100', Add	*3.11*	
		For >100 To 250', Add	*1.46*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	32.72	3.48
		For Up To 100', Add	*3.84*	
		For >100 To 250', Add	*1.82*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	49.28	3.48
		For Up To 100', Add	*5.49*	
		For >100 To 250', Add	*2.65*	
		For >1,000', Deduct	*-0.38*	

07 71 23 00-0142 Square Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	13.45	3.48
		For Up To 100', Add	*1.91*	
		For >100 To 250', Add	*0.86*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	16.58	3.48
		For Up To 100', Add	*2.22*	
		For >100 To 250', Add	*1.02*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	23.36	3.48
		For Up To 100', Add	*2.90*	
		For >100 To 250', Add	*1.36*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	15.38	3.48
		For Up To 100', Add	*2.10*	
		For >100 To 250', Add	*0.96*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	19.30	3.48
		For Up To 100', Add	*2.50*	
		For >100 To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	27.34	3.48
		For Up To 100', Add	*3.30*	
		For >100 To 250', Add	*1.56*	
		For >1,000', Deduct	*-0.38*	

07 71 23 00-0149 Rectangular Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	19.51	3.48
		For Up To 100', Add	*2.52*	
		For >100 To 250', Add	*1.16*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	24.44	3.48
		For Up To 100', Add	*3.01*	
		For >100 To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	34.39	3.48
		For Up To 100', Add	*4.00*	
		For >100 To 250', Add	*1.91*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	22.57	3.48
		For Up To 100', Add	*2.82*	
		For >100 To 250', Add	*1.32*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	28.69	3.48
		For Up To 100', Add	*3.43*	
		For >100 To 250', Add	*1.62*	
		For >1,000', Deduct	*-0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	40.80	3.48
		For Up To 100', Add	*4.65*	
		For >100 To 250', Add	*2.23*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0156		**Copper Devices And Accessories** *(07 71 23 00-0059)*		
07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	243.07	33.38
07 71 23 00-0158	EA	Copper Leader/Conductor Head	325.09	37.10
07 71 23 00-0159	EA	Copper Eave Box	145.96	21.73
07 71 23 00-0160		**Galvanized Steel Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0161		**Galvanized Steel Gutters** *(07 71 23 00-0160)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162		**K-Style Galvanized Steel Gutters** *(07 71 23 00-0161)*		
07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	15.33	5.36
		For Up To 100', Add	*2.86*	
		For >100' To 250', Add	*1.21*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*2.92*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.57*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	17.74	5.65
		For Up To 100', Add	*3.16*	
		For >100' To 250', Add	*1.35*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*3.81*	
		For 24 Gauge, Add	*2.37*	
		For 22 Gauge, Add	*4.66*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	36.05	5.94
		For Up To 100', Add	*5.10*	
		For >100' To 250', Add	*2.30*	
		For >1,000', Deduct	*-1.00*	
		For Kynar 500® Finish, Add	*11.73*	
		For 24 Gauge, Add	*7.30*	
		For 22 Gauge, Add	*14.33*	
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	38.06	6.67
		For Up To 100', Add	*5.46*	
		For >100' To 250', Add	*2.45*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*12.17*	
		For 24 Gauge, Add	*7.57*	
		For 22 Gauge, Add	*14.88*	
07 71 23 00-0167		**Half Round Galvanized Steel Gutters** *(07 71 23 00-0161)*		
07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	22.03	5.36
		For Up To 100', Add	*3.53*	
		For >100' To 250', Add	*1.54*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*5.94*	
		For 24 Gauge, Add	*3.69*	
		For 22 Gauge, Add	*7.25*	
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	27.61	5.65
		For Up To 100', Add	*4.15*	
		For >100' To 250', Add	*1.84*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*8.25*	
		For 24 Gauge, Add	*5.14*	
		For 22 Gauge, Add	*10.09*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	68.41	5.94
		For Up To 100', Add	*8.34*	
		For >100' To 250', Add	*3.92*	
		For >1,000', Deduct	*-1.00*	
		For Kynar 500® Finish, Add	*26.29*	
		For 24 Gauge, Add	*16.36*	
		For 22 Gauge, Add	*32.13*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	73.02	6.67
		For Up To 100', Add	*8.95*	
		For >100' To 250', Add	*4.20*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*27.90*	
		For 24 Gauge, Add	*17.36*	
		For 22 Gauge, Add	*34.11*	
07 71 23 00-0172		**Box Style Galvanized Steel Gutters** *(07 71 23 00-0161)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	26.33	6.08
		For Up To 100', Add	*4.16*	
		For >100' To 250', Add	*1.82*	
		For >1,000', Deduct	*-1.02*	
		For Kynar 500® Finish, Add	*7.28*	
		For 22 Gauge, Add	*3.56*	
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	30.82	6.67
		For Up To 100', Add	*4.73*	
		For >100' To 250', Add	*2.09*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*8.91*	
		For 22 Gauge, Add	*4.36*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	38.63	5.94
		For Up To 100', Add	*5.36*	
		For >100' To 250', Add	*2.43*	
		For >1,000', Deduct	*-1.00*	
		For Kynar 500® Finish, Add	*12.89*	
		For 22 Gauge, Add	*6.30*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	43.02	7.53
		For Up To 100', Add	*6.17*	
		For >100' To 250', Add	*2.77*	
		For >1,000', Deduct	*-1.25*	
		For Kynar 500® Finish, Add	*13.75*	
		For 22 Gauge, Add	*6.72*	

07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	6.79	
		For Kynar 500® Finish, Add	*1.75*	
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	7.81	
		For Kynar 500® Finish, Add	*2.21*	
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	16.89	
		For Kynar 500® Finish, Add	*6.30*	
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	24.47	
		For Kynar 500® Finish, Add	*9.71*	

07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	8.71	
		For Kynar 500® Finish, Add	*2.61*	
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	10.02	
		For Kynar 500® Finish, Add	*3.20*	
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	18.62	
		For Kynar 500® Finish, Add	*7.07*	
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	25.15	
		For Kynar 500® Finish, Add	*10.01*	

07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	15.58	
		For Kynar 500® Finish, Add	*5.71*	
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	18.75	
		For Kynar 500® Finish, Add	*7.13*	
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	21.00	
		For Kynar 500® Finish, Add	*8.15*	
07 71 23 00-0192	EA	8", Box Style Galvanized Steel Gutter End Cap	28.12	
		For Kynar 500® Finish, Add	*11.35*	

07 71 23 00-0193 Galvanized Steel Gutter Miters *(07 71 23 00-0160)*

Note: Inside or outside miters.

07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0195	EA	5", K-Style Galvanized Steel Gutter Miter	40.97	
		For Kynar 500® Finish, Add	*11.85*	
07 71 23 00-0196	EA	6", K-Style Galvanized Steel Gutter Miter	66.06	
		For Kynar 500® Finish, Add	*22.68*	
07 71 23 00-0197	EA	7", K-Style Galvanized Steel Gutter Miter	105.31	
		For Kynar 500® Finish, Add	*39.89*	
07 71 23 00-0198	EA	8", K-Style Galvanized Steel Gutter Miter	118.33	
		For Kynar 500® Finish, Add	*45.23*	

07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0200	EA	5", Half Round Galvanized Steel Gutter Miter	55.87	
		For Kynar 500® Finish, Add	*18.56*	
07 71 23 00-0201	EA	6", Half Round Galvanized Steel Gutter Miter	62.76	
		For Kynar 500® Finish, Add	*21.20*	
07 71 23 00-0202	EA	7", Half Round Galvanized Steel Gutter Miter	176.87	
		For Kynar 500® Finish, Add	*72.09*	
07 71 23 00-0203	EA	8", Half Round Galvanized Steel Gutter Miter	186.93	
		For Kynar 500® Finish, Add	*76.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0205	EA	5", Box Style Galvanized Steel Gutter Miter	52.89	
		For Kynar 500® Finish, Add	*17.22*	
07 71 23 00-0206	EA	6", Box Style Galvanized Steel Gutter Miter	85.77	
		For Kynar 500® Finish, Add	*31.55*	
07 71 23 00-0207	EA	7", Box Style Galvanized Steel Gutter Miter	111.24	
		For Kynar 500® Finish, Add	*42.56*	
07 71 23 00-0208	EA	8", Box Style Galvanized Steel Gutter Miter	118.33	
		For Kynar 500® Finish, Add	*45.23*	

07 71 23 00-0209 Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0160)*

07 71 23 00-0210	EA	3" Diameter, Round Galvanized Steel Wire Strainer	15.14	3.62
		For Kynar 500® Finish, Add	*3.42*	
07 71 23 00-0211	EA	4" Diameter, Round Galvanized Steel Wire Strainer	21.62	3.62
		For Kynar 500® Finish, Add	*6.34*	

07 71 23 00-0212 Galvanized Steel Downspouts *(07 71 23 00-0160)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0213 Round Galvanized Steel Downspouts *(07 71 23 00-0212)*

07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	8.51	3.48
		For Up To 100', Add	*1.42*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*2.13*	
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*2.61*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	10.53	3.48
		For Up To 100', Add	*1.62*	
		For >100 To 250', Add	*0.72*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*3.04*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.72*	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	14.28	3.48
		For Up To 100', Add	*1.99*	
		For >100 To 250', Add	*0.90*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*4.73*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.78*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	31.60	3.48
		For Up To 100', Add	*3.73*	
		For >100 To 250', Add	*1.77*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*12.52*	
		For 24 Gauge, Add	*7.79*	
		For 22 Gauge, Add	*15.31*	

07 71 23 00-0218 Square Galvanized Steel Downspouts *(07 71 23 00-0212)*

07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.64	3.48
		For Up To 100', Add	*1.53*	
		For >100 To 250', Add	*0.67*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*2.64*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.23*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	12.31	3.48
		For Up To 100', Add	*1.80*	
		For >100 To 250', Add	*0.80*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*3.84*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*4.70*	

07 71 23 00-0221 Rectangular Galvanized Steel Downspouts *(07 71 23 00-0212)*

07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	8.66	3.48
		For Up To 100', Add	*1.43*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*2.20*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	11.00	3.48
		For Up To 100', Add	*1.67*	
		For >100 To 250', Add	*0.74*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*3.25*	
		For 24 Gauge, Add	*2.02*	
		For 22 Gauge, Add	*3.98*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	20.30	3.48
		For Up To 100', Add	*2.60*	
		For >100 To 250', Add	*1.20*	
		For >1,000', Deduct	*-0.38*	
		For Kynar 500® Finish, Add	*7.44*	
		For 24 Gauge, Add	*4.63*	
		For 22 Gauge, Add	*9.09*	

07 71 23 00-0225 Galvanized Steel Devices *(07 71 23 00-0160)*

07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	376.86	37.10
		For Kynar 500® Finish, Add	*136.20*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	192.73	33.38
		For Kynar 500® Finish, Add	*36.65*	

07 71 23 00-0228 Stainless Steel Gutters And Downspouts *(07 71 23)*

Note: AISI type 304 stainless steel.

07 71 23 00-0229 Stainless Steel Gutters *(07 71 23 00-0228)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0230 K-Style, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	31.61	5.36
		For Up To 100', Add	*4.49*	
		For >100' To 250', Add	*2.02*	
		For >1,000', Deduct	*-0.88*	
		For 316 Stainless Steel, Add	*8.65*	
		For 24 Gauge, Add	*7.51*	
		For 22 Gauge, Add	*15.03*	
		For 20 Gauge, Add	*22.54*	
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	37.74	5.65
		For Up To 100', Add	*5.16*	
		For >100' To 250', Add	*2.35*	
		For >1,000', Deduct	*-0.93*	
		For 316 Stainless Steel, Add	*10.82*	
		For 24 Gauge, Add	*9.40*	
		For 22 Gauge, Add	*18.79*	
		For 20 Gauge, Add	*28.19*	

07 71 23 00-0233 Half Round, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0234	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	43.32	5.36
		For Up To 100', Add	*5.66*	
		For >100' To 250', Add	*2.61*	
		For >1,000', Deduct	*-0.88*	
		For 316 Stainless Steel, Add	*13.10*	
		For 24 Gauge, Add	*11.38*	
		For 22 Gauge, Add	*22.76*	
		For 20 Gauge, Add	*34.14*	
07 71 23 00-0235	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	52.30	5.65
		For Up To 100', Add	*6.62*	
		For >100' To 250', Add	*3.08*	
		For >1,000', Deduct	*-0.93*	
		For 316 Stainless Steel, Add	*16.35*	
		For 24 Gauge, Add	*14.20*	
		For 22 Gauge, Add	*28.40*	
		For 20 Gauge, Add	*42.60*	

07 71 23 00-0236 Box Style, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	42.62	6.08
		For Up To 100', Add	*5.78*	
		For >100' To 250', Add	*2.64*	
		For >1,000', Deduct	*-1.02*	
		For 316 Stainless Steel, Add	*12.34*	
		For 24 Gauge, Add	*10.72*	
		For 22 Gauge, Add	*21.43*	
		For 20 Gauge, Add	*32.15*	
		For 18 Gauge, Add	*53.90*	
		For Seamless Gutter, Add	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	51.80	6.67
		For Up To 100', Add	*6.83*	
		For >100' To 250', Add	*3.14*	
		For >1,000', Deduct	*-1.10*	
		For 316 Stainless Steel, Add	*15.50*	
		For 24 Gauge, Add	*13.46*	
		For 22 Gauge, Add	*26.92*	
		For 20 Gauge, Add	*40.38*	
		For 18 Gauge, Add	*67.71*	
		For Seamless Gutter, Add	*-0.39*	
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	61.03	7.10
		For Up To 100', Add	*7.86*	
		For >100' To 250', Add	*3.64*	
		For >1,000', Deduct	*-1.17*	
		For 316 Stainless Steel, Add	*18.73*	
		For 24 Gauge, Add	*16.27*	
		For 22 Gauge, Add	*32.54*	
		For 20 Gauge, Add	*48.81*	
		For 18 Gauge, Add	*81.84*	
		For Seamless Gutter, Add	*-0.71*	
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	66.32	7.53
		For Up To 100', Add	*8.50*	
		For >100' To 250', Add	*3.94*	
		For >1,000', Deduct	*-1.25*	
		For 316 Stainless Steel, Add	*20.47*	
		For 24 Gauge, Add	*17.77*	
		For 22 Gauge, Add	*35.55*	
		For 20 Gauge, Add	*53.32*	
		For 18 Gauge, Add	*89.41*	
		For Seamless Gutter, Add	*-0.82*	

07 71 23 00-0241 Stainless Steel Gutter End Caps *(07 71 23 00-0228)*

07 71 23 00-0242 K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	10.02	
		For 316 Stainless Steel, Add	*2.71*	
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	11.45	
		For 316 Stainless Steel, Add	*3.25*	

07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	11.80	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	13.58	
		For 316 Stainless Steel, Add	*4.06*	

07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	12.52	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	14.30	
		For 316 Stainless Steel, Add	*4.06*	
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	14.92	
		For 316 Stainless Steel, Add	*4.39*	
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	18.06	
		For 316 Stainless Steel, Add	*5.40*	

07 71 23 00-0253 Stainless Steel Gutter Miters *(07 71 23 00-0228)*

Note: Inside or outside box miters.

07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0255	EA	5", K-Style Stainless Steel Gutter Miter	51.43	
		For 316 Stainless Steel, Add	*13.98*	
07 71 23 00-0256	EA	6", K-Style Stainless Steel Gutter Miter	80.94	
		For 316 Stainless Steel, Add	*24.81*	

07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0258	EA	5", Half Round Stainless Steel Gutter Miter	122.66	
		For 316 Stainless Steel, Add	*41.05*	
07 71 23 00-0259	EA	6", Half Round Stainless Steel Gutter Miter	149.75	
		For 316 Stainless Steel, Add	*50.96*	

07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0261	EA	5", Box-Style Stainless Steel Gutter Miter	58.79	
		For 316 Stainless Steel, Add	*16.78*	
07 71 23 00-0262	EA	6", Box-Style Stainless Steel Gutter Miter	94.00	
		For 316 Stainless Steel, Add	*29.77*	
07 71 23 00-0263	EA	7", Box-Style Stainless Steel Gutter Miter	108.07	
		For 316 Stainless Steel, Add	*34.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0264	EA	8", Box-Style Stainless Steel Gutter Miter	122.29	
		For 316 Stainless Steel, Add	*39.70*	
07 71 23 00-0265		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0228)*		
07 71 23 00-0266	EA	3" Diameter, Round Stainless Steel Wire Strainer	48.44	3.62
07 71 23 00-0267	EA	4" Diameter, Round Stainless Steel Wire Strainer	49.56	3.62
07 71 23 00-0268		**Stainless Steel Downspouts** *(07 71 23 00-0228)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269		**Round Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0270	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	18.48	3.48
		For Up To 100', Add	*2.41*	
		For >100 To 250', Add	*1.11*	
		For >1,000', Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*5.59*	
		For 24 Gauge, Add	*4.85*	
		For 22 Gauge, Add	*9.71*	
		For 20 Gauge, Add	*14.56*	
07 71 23 00-0271	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	24.19	3.48
		For Up To 100', Add	*2.98*	
		For >100 To 250', Add	*1.40*	
		For >1,000', Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*7.76*	
		For 24 Gauge, Add	*6.74*	
		For 22 Gauge, Add	*13.48*	
		For 20 Gauge, Add	*20.22*	
07 71 23 00-0272	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	34.97	3.48
		For Up To 100', Add	*4.06*	
		For >100 To 250', Add	*1.94*	
		For >1,000', Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*11.86*	
		For 24 Gauge, Add	*10.30*	
		For 22 Gauge, Add	*20.59*	
		For 20 Gauge, Add	*30.89*	
07 71 23 00-0273		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0274	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	18.90	3.48
		For Up To 100', Add	*2.46*	
		For >100 To 250', Add	*1.13*	
		For >1,000', Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*5.75*	
		For 24 Gauge, Add	*4.99*	
		For 22 Gauge, Add	*9.99*	
		For 20 Gauge, Add	*14.98*	
		For 18 Gauge, Add	*25.12*	
07 71 23 00-0275	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	25.04	3.48
		For Up To 100', Add	*3.07*	
		For >100 To 250', Add	*1.44*	
		For >1,000', Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*8.08*	
		For 24 Gauge, Add	*7.02*	
		For 22 Gauge, Add	*14.04*	
		For 20 Gauge, Add	*21.06*	
		For 18 Gauge, Add	*35.31*	
07 71 23 00-0276	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	32.23	3.48
		For Up To 100', Add	*3.79*	
		For >100 To 250', Add	*1.80*	
		For >1,000', Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*10.81*	
		For 24 Gauge, Add	*9.39*	
		For 22 Gauge, Add	*18.78*	
		For 20 Gauge, Add	*28.18*	
		For 18 Gauge, Add	*47.24*	
07 71 23 00-0277		**Stainless Steel Devices** *(07 71 23 00-0228)*		
07 71 23 00-0278	EA	Thru-Wall Stainless Steel Scupper Outlet	288.67	32.60
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0279	EA	Stainless Steel Leader/Conductor Head	496.18	32.60
		For 316 Stainless Steel, Add	*161.02*	
07 71 23 00-0280		**Vinyl Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0281		**Vinyl Gutters** *(07 71 23 00-0280)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282		**K-Style Vinyl Gutters** *(07 71 23 00-0281)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0283	LF	4", K-Style Vinyl Gutter	12.91	3.62
		For Up To 100', Add	*2.20*	
		For >100' To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.60*	
07 71 23 00-0284	LF	5", K-Style Vinyl Gutter	16.45	3.62
		For Up To 100', Add	*2.55*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.60*	
07 71 23 00-0285		**Half Round Vinyl Gutters** *(07 71 23 00-0281)*		
07 71 23 00-0286	LF	4", Half Round Vinyl Gutter	13.31	3.62
		For Up To 100', Add	*2.24*	
		For >100' To 250', Add	*0.97*	
		For >1,000', Deduct	*-0.60*	
07 71 23 00-0287	LF	5", Half Round Vinyl Gutter	13.96	3.62
		For Up To 100', Add	*2.30*	
		For >100' To 250', Add	*1.00*	
		For >1,000', Deduct	*-0.60*	
07 71 23 00-0288		**Vinyl Gutter End Caps** *(07 71 23 00-0280)*		
07 71 23 00-0289		**K-Style, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0290	EA	4", K-Style Vinyl Gutter End Cap	7.88	
07 71 23 00-0291	EA	5", K-Style Vinyl Gutter End Cap	10.82	
07 71 23 00-0292		**Half Round, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0293	EA	4", Half Round Vinyl Gutter End Cap	8.96	
07 71 23 00-0294	EA	5", Half Round Vinyl Gutter End Cap	8.48	
07 71 23 00-0295		**Vinyl Gutter Miters** *(07 71 23 00-0280)*		
		Note: Inside or outside miters.		
07 71 23 00-0296		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0297	EA	4", K-Style Vinyl Gutter Miter	19.39	
07 71 23 00-0298	EA	5", K-Style Vinyl Gutter Miter	28.87	
07 71 23 00-0299		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0300	EA	4", Half Round Vinyl Gutter Miter	19.39	
07 71 23 00-0301	EA	5", Half Round Vinyl Gutter Miter	21.02	
07 71 23 00-0302		**Vinyl Downspouts** *(07 71 23 00-0280)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303		**Round Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout	8.46	3.48
		For Up To 100', Add	*1.41*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout	8.80	3.48
		For Up To 100', Add	*1.45*	
		For >100 To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0306		**Square Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout	8.32	3.48
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0308		**Rectangular Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout	10.53	3.48
		For Up To 100', Add	*1.62*	
		For >100 To 250', Add	*0.72*	
		For >1,000', Deduct	*-0.38*	
07 71 23 00-0310		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0311		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0310)*		
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	348.66	5.22
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	454.51	5.22
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	542.53	5.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0315		**Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0310)*		
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	602.44	5.22
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	736.01	5.22
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,335.83	5.22
07 71 23 00-0319		**Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)*		
07 71 23 00-0320	EA	3" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,206.32	33.01
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0321	EA	4" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,228.33	44.01
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0322	EA	6" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,317.27	56.47
		For Polished Brass Finish (-PB), Add	*120.43*	
		For Chrome Plated Finish (-CP), Add	*180.65*	
		For Vandal Proof (-U), Add	*60.22*	
07 71 23 00-0323	EA	8" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,404.88	71.30
		For Polished Brass Finish (-PB), Add	*126.23*	
		For Chrome Plated Finish (-CP), Add	*189.34*	
		For Vandal Proof (-U), Add	*63.11*	
07 71 23 00-0324	EA	10" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,511.38	87.84
		For Polished Brass Finish (-PB), Add	*133.57*	
		For Chrome Plated Finish (-CP), Add	*200.36*	
		For Vandal Proof (-U), Add	*66.79*	
07 71 23 00-0325	EA	12" Diameter PipeSize, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,662.10	122.62
		For Polished Brass Finish (-PB), Add	*141.68*	
		For Chrome Plated Finish (-CP), Add	*212.53*	
		For Vandal Proof (-U), Add	*70.84*	
07 71 23 00-0326	EA	15" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,837.95	170.54
		For Polished Brass Finish (-PB), Add	*149.69*	
		For Chrome Plated Finish (-CP), Add	*224.53*	
		For Vandal Proof (-U), Add	*74.84*	
07 71 23 00-0327		**Wall Mounted Downspout Nozzle** *(07 71 23)*		
07 71 23 00-0328	EA	3" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	312.18	33.01
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0329	EA	4" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	334.19	44.01
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0330	EA	6" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	696.88	56.47
		For Nickel Bronze Finish (-NB), Add	*175.19*	
		For Polished Bronze Finish (-PB), Add	*99.27*	
		For Chrome Plated Finish (-CP), Add	*256.94*	
07 71 23 00-0331	EA	8" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	1,029.01	71.30
		For Nickel Bronze Finish (-NB), Add	*150.69*	
		For Polished Bronze Finish (-PB), Add	*115.23*	
		For Chrome Plated Finish (-CP), Add	*257.06*	
07 71 23 00-0332	EA	10" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,326.48	87.84
		For Nickel Bronze Finish (-NB), Add	*195.64*	
		For Polished Bronze Finish (-PB), Add	*149.60*	
		For Chrome Plated Finish (-CP), Add	*333.73*	
07 71 23 00-0333	EA	12" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,693.00	122.62
		For Nickel Bronze Finish (-NB), Add	*246.12*	
		For Polished Bronze Finish (-PB), Add	*188.21*	
		For Chrome Plated Finish (-CP), Add	*419.84*	
07 71 23 00-0334		**Leaf Guards And Cleaning** *(07 71 23)*		
07 71 23 00-0335	LF	Aluminum Mesh Gutter Leaf Guard	4.34	1.10
		For Up To 100', Add	*0.76*	
		For >100' To 250', Add	*0.33*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0336	LF	Vinyl Mesh Gutter Leaf Guard	3.42	1.10
		For Up To 100', Add	*0.67*	
		For >100' To 250', Add	*0.28*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0337	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.26	1.38
		For Up To 100', Add	*2.14*	
		For >100' To 250', Add	*1.00*	
		For >1,000', Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0338	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.53	1.38
		For Up To 100', Add	*2.87*	
		For >100' To 250', Add	*1.37*	
		For >1,000', Deduct	*-0.28*	
07 71 23 00-0339	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.15	1.38
		For Up To 100', Add	*1.64*	
		For >100' To 250', Add	*0.77*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0340	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	20.12	1.38
		For Up To 100', Add	*2.34*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0341	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	200.90	
07 71 23 00-0342	LF	Cleanout Roof Gutters And Downspouts	2.36	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*
Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.00	6.63
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.18	6.63
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.50	6.63
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.73	6.63
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	22.42	6.63
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	23.22	6.63

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.03	6.63
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.30	6.63
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.76	6.63
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	25.53	6.63
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	26.54	6.63
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	27.71	6.63

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.08	6.63
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.69	6.63
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.29	6.63
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.73	6.63
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	19.70	6.63
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	21.11	6.63

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.70	6.63
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.09	6.63
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.47	6.63
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.75	6.63
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.37	6.63
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	18.27	6.63

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.80	6.63
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.36	6.63
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.92	6.63
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.32	6.63
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	19.22	6.63
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	20.53	6.63

07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*

07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	23.01	6.63
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	24.31	6.63
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	24.74	6.63

07 71 26 00-0044 Copper Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0045 Copper Counter Flashing With Reglet *(07 71 26 00-0044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	52.38	6.63

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,106.39	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,121.95	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,222.32	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,281.95	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,326.03	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,594.95	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,127.13	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,224.91	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,258.62	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,271.58	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,553.46	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,700.51	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,344.18	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*227.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,470.49	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,499.01	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,646.06	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,769.78	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*298.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,914.22	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*322.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,499.01	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,617.54	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,767.18	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,793.11	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,942.75	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*328.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,140.10	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,147.88	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,248.24	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,315.66	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,364.92	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,626.06	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,150.47	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,294.92	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,346.77	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*227.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,406.41	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,594.95	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,752.37	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*299.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,375.30	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,496.42	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,537.90	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,687.55	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,819.04	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,971.27	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*334.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,537.90	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,659.03	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,811.26	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*306.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,844.97	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*313.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,999.79	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*339.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.25	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,166.03	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,261.21	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,336.40	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,393.45	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,662.36	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,166.03	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,261.21	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,393.45	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,455.68	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*249.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,626.06	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,786.08	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*306.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,396.04	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,437.18	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,563.83	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,718.66	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*292.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,850.16	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*314.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,007.57	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*140.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*341.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,563.83	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,687.55	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,844.97	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*313.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,878.68	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*320.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,038.68	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*143.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*347.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,077.87	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,111.57	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,268.99	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,346.77	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*227.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,403.82	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,703.85	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,173.80	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,289.73	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,315.66	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,339.00	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,641.62	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*282.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,804.23	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*309.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,406.41	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,535.31	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*260.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,576.80	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,734.22	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*295.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,865.71	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*317.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,025.72	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*344.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,576.80	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,700.51	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,860.53	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,896.83	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*323.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,059.43	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*145.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*351.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0101		12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,101.20	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,140.10	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,307.88	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,393.45	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,463.45	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*251.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,714.22	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*296.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,207.51	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,331.22	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,364.92	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,396.04	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,703.85	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,879.42	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*324.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,453.08	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,587.17	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*271.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,636.43	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,796.45	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,938.32	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*138.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*332.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,108.69	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*150.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*361.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,636.43	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,767.93	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*302.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,933.13	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*331.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,972.02	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*338.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,147.59	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*154.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*369.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,119.35	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,160.84	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,331.22	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,424.56	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,502.35	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*258.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,797.19	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*313.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,233.44	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,375.30	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,421.97	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,432.34	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,750.52	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,931.28	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*335.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,484.20	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,519.06	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,675.33	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*288.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,843.12	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*317.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,984.99	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*341.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,165.74	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*156.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*372.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,675.33	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*288.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,814.60	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,977.21	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*339.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,023.88	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*349.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,204.63	481.51
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*160.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*380.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,061.78	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.32*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,204.28	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.82*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,376.12	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.56*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,489.90	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.31*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,648.67	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.44*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,270.44	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.05*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,463.84	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.73*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,561.88	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,634.59	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*285.25*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,828.97	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*319.50*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,811.51	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*230.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*511.37*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,613.25	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*285.61*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,811.00	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*144.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*325.16*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,138.43	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*172.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*386.02*	

07 72 13 00-0167 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.

07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	920.04	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*146.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,025.91	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,083.45	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,076.81	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,092.30	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,222.52	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,087.88	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,242.44	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,427.64	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,202.60	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,321.76	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,471.90	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0182		**2 x 8 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	933.32	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,041.40	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,125.50	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,103.37	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,125.50	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,255.72	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,112.22	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,273.42	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,458.62	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*236.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,226.95	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,350.53	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,502.88	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0195		**2 x 10 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	942.17	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*151.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,056.89	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,129.92	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,118.86	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,145.41	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,277.85	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,127.71	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,293.34	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,478.54	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,242.44	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,368.23	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,525.01	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*249.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0208		**2 x 12 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	953.24	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,065.74	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,149.84	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,167.54	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,302.19	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,147.63	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,315.47	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,505.09	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,385.94	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0218		**Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0167)*		
07 72 13 00-0219		**2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0218)*		
07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	937.75	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*150.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,041.40	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,112.22	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,096.73	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,116.64	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,249.08	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,107.79	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,266.78	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,451.98	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,229.16	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,346.10	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,502.88	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	953.24	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,059.11	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,138.77	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,123.28	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,152.05	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,288.91	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,138.77	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,304.40	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,494.03	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,257.93	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,379.30	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,540.50	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	966.52	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,076.81	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,165.33	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,143.20	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,178.61	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,317.68	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,158.69	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,328.75	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,520.58	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,280.06	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,403.64	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,569.27	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*258.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0258		**2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0218)*		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	993.07	296.31
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*161.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,090.09	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,185.25	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,200.74	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,401.78	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,222.87	333.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,406.20	370.39
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,609.10	444.48
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,485.52	407.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	196.76	40.50
		For Curb Or Flange Base, Add	*220.97*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	236.12	44.84
		For Curb Or Flange Base, Add	*242.97*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	255.02	53.52
		For Curb Or Flange Base, Add	*270.77*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	488.82	59.31
		For Curb Or Flange Base, Add	*432.76*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	672.98	66.54
		For Curb Or Flange Base, Add	*468.99*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	811.79	72.32
		For Curb Or Flange Base, Add	*509.02*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,036.78	81.00
		For Curb Or Flange Base, Add	*622.67*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,712.34	108.49
		For Curb Or Flange Base, Add	*1,018.69*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	169.64	40.50
		For Curb Or Flange Base, Add	*209.10*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	210.36	44.84
		For Curb Or Flange Base, Add	*230.71*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	236.43	53.52
		For Curb Or Flange Base, Add	*257.73*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	412.57	59.31
		For Curb Or Flange Base, Add	*425.88*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	530.08	66.54
		For Curb Or Flange Base, Add	*456.47*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	667.71	72.32
		For Curb Or Flange Base, Add	*512.84*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	897.99	81.00
		For Curb Or Flange Base, Add	*616.89*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,334.81	108.49
		For Curb Or Flange Base, Add	*921.55*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	166.27	40.50
		For Curb Or Flange Base, Add	*220.97*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	218.68	44.84
		For Curb Or Flange Base, Add	*242.97*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	240.72	53.52
		For Curb Or Flange Base, Add	*270.77*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	410.56	59.31
		For Curb Or Flange Base, Add	*432.76*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	474.92	66.54
		For Curb Or Flange Base, Add	*468.99*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	671.82	72.32
		For Curb Or Flange Base, Add	*509.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	874.56	81.00
		For Curb Or Flange Base, Add	*622.67*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,267.32	108.49
		For Curb Or Flange Base, Add	*1,018.69*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	163.43	40.50
		For Curb Or Flange Base, Add	*209.10*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	214.07	44.84
		For Curb Or Flange Base, Add	*230.71*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	239.55	53.52
		For Curb Or Flange Base, Add	*257.73*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	383.34	59.31
		For Curb Or Flange Base, Add	*425.88*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	480.42	66.54
		For Curb Or Flange Base, Add	*456.47*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	586.99	72.32
		For Curb Or Flange Base, Add	*512.84*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	835.93	81.00
		For Curb Or Flange Base, Add	*616.89*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,255.48	108.49
		For Curb Or Flange Base, Add	*921.55*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	339.97	65.09
		For Backdraft Damper, Add	*168.58*	
		For Curb Base, Add	*259.75*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	416.83	72.32
		For Backdraft Damper, Add	*184.44*	
		For Curb Base, Add	*284.25*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	472.81	86.79
		For Backdraft Damper, Add	*251.87*	
		For Curb Base, Add	*359.74*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	573.84	95.47
		For Backdraft Damper, Add	*287.57*	
		For Curb Base, Add	*416.14*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,493.60	130.19
		For Backdraft Damper, Add	*360.95*	
		For Curb Base, Add	*548.53*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,821.87	150.43
		For Backdraft Damper, Add	*426.40*	
		For Curb Base, Add	*655.01*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,474.70	173.58
		For Backdraft Damper, Add	*426.40*	
		For Curb Base, Add	*683.77*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,464.81	188.05
		For Backdraft Damper, Add	*446.23*	
		For Curb Base, Add	*709.69*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	4,968.56	202.51
		For Backdraft Damper, Add	*495.81*	
		For Curb Base, Add	*797.08*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	691.31	72.32
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	809.33	95.47
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,166.37	130.19
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,817.68	150.43

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	16.89	4.20
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	66.15	26.08
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	61.58	26.08

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	15.67	4.49

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	13.18	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	12.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33		**Roof Hatches** *(07 72)*		
		Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001		Galvanized Steel Cover And Curb *(07 72 33)*		
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	918.05	180.48
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	1,270.62	200.53
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	2,147.67	273.47
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	1,238.63	200.53
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,393.25	222.84
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,215.45	303.92
07 72 33 00-0008		Aluminum Cover And Curb *(07 72 33)*		
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,039.05	180.48
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,320.12	200.53
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	2,318.17	273.47
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,282.63	200.53
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,174.25	222.84
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	2,435.45	303.92
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,413.05	200.53
07 72 33 00-0016		Steel, Plain, Primed *(07 72 33)*		
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	889.17	180.48
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,150.69	200.53
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	1,574.88	273.47
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,068.13	200.53
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,283.25	222.84
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	1,742.45	303.92
07 72 33 00-0023		Stainless Steel *(07 72 33)*		
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,093.44	180.48
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,901.02	200.53
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,870.21	273.47
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,739.11	200.53
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	9,991.95	222.84
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,197.56	303.92
07 72 33 00-0030		Removal And Reinstallation Of Roof Hatch *(07 72 33)*		
		Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch, All Types	555.12	
07 72 33 00-0032		Aluminum Cover And Galvanized Steel Curb *(07 72 33)*		
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,011.55	200.53
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,292.62	222.84
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,246.67	303.80
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,260.63	206.80
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,113.75	229.10
07 72 33 00-0038		Roof Hatch Accessories *(07 72 33)*		
07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	538.95	93.99
07 72 33 00-0040		Roof Hatch Safety Railing *(07 72 33)*		
		Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,134.54	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,216.31	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,271.13	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,470.11	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,699.91	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,445.10	
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		Fire Vent *(07 72 36)*		
07 72 36 00-0002		Galvanized Steel Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	1,966.66	167.19
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,291.67	229.86
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,603.50	250.79
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,660.80	263.32
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,028.67	229.86
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,225.00	250.79
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,410.31	271.71
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,870.64	292.65

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,765.47	313.45
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,239.81	271.71
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,633.83	334.38
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,766.64	355.32
07 72 36 00-0015		**Aluminum Covers And Galvanized Steel Curb** *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,032.66	167.19
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,352.17	229.86
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,642.00	250.79
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,737.80	263.32
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,643.67	229.86
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,351.50	250.79
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,586.31	271.71
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,507.64	292.65
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,869.97	313.45
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,393.81	271.71
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,342.33	334.38
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,381.64	355.32
07 72 36 00-0028		**Aluminum Covers And Curb** *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,208.66	167.19
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,643.67	229.86
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	2,900.50	250.79
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,067.80	263.32
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,775.67	229.86
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,489.00	250.79
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,707.31	271.71
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,837.64	292.65
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,633.47	313.45
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,547.81	271.71
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,908.83	334.38
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,711.64	355.32
07 72 36 00-0041		**Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb** *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,186.66	166.69
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,781.16	229.86
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,952.29	263.32
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,138.67	229.86
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,342.66	292.65

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001		**Recycled Rubber Walkway Pads** *(07 72 46)*		
07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	14.10	3.57
		For Diamond Surface, Add	*1.17*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	15.66	4.28
		For Diamond Surface, Add	*1.36*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	17.26	4.28
		For Diamond Surface, Add	*1.52*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001		**Snow Guards For Shingle And Tile Roofs** *(07 72 53)*		
07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	26.69	3.71
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	29.11	3.71
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	27.51	3.71
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	16.32	3.71
07 72 53 00-0006		**Snow Guards For Metal Roofs** *(07 72 53)* Note: Aluminum construction.		
07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	28.34	5.17
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	31.51	5.17
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	46.50	5.17
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	45.83	5.17
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	43.06	6.04
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	47.04	6.04
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	58.77	6.04
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	24.77	4.53
		For Mechanically Fastened, Add	*9.06*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	28.06	4.53
		For Mechanically Fastened, Add	*9.06*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	39.24	4.53
		For Mechanically Fastened, Add	*9.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) Note: Can be used for metal, rubber, PVC, TPO or glass roofing.	15.03	4.53
		For Mechanically Fastened, Add	*12.07*	
07 72 53 00-0018		**Snow Breaker For Roofs** *(07 72 53)*		
07 72 53 00-0019	EA	Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	19.22	6.04
07 72 53 00-0020	EA	>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	18.06	6.04
07 72 53 00-0021	EA	>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.48	6.04
07 72 53 00-0022	EA	>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.79	6.04
07 72 53 00-0023		**Ice Breaker For Vents** *(07 72 53)*		
07 72 53 00-0024	EA	Ice Breaker For Vents Up to 4", Mechanically Fastened	154.52	
07 72 53 00-0025	EA	Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	177.42	
07 72 53 00-0026		**Pipe Style, Snow Guards For Metal Roofs** *(07 72 53)*		
07 72 53 00-0027		**Pipe Style, Standing Seam Metal Roof Snow Guard Clamps** *(07 72 53 00-0026)* Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	73.14	18.11
07 72 53 00-0029	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	87.36	18.11
07 72 53 00-0030	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	98.72	18.11
07 72 53 00-0031	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	123.16	18.11
07 72 53 00-0032	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	126.72	21.73
07 72 53 00-0033		**Tubing For Snow Guard Clamps** *(07 72 53 00-0026)*		
07 72 53 00-0034	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	15.12	4.34
07 72 53 00-0035	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	30.22	4.34
07 72 56		**Snow/Ice Melt Cable** *(07 72)*		
07 72 56 00-0001		**Self Regulating Heating Cable For Roofs And Gutters** *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	17.70	1.34
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	19.03	1.34
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	277.94	100.88
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	212.03	73.98
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	10.37	4.03
		For >5, Deduct	*-0.81*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	9.72	4.03
		For >5, Deduct	*-0.74*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	68.91	10.09
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	1,116.64	80.70
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	1,531.82	100.88
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		**Rooftop Oil And Grease Containment System** *(07 72 63)*		
07 72 63 00-0002		**Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)** *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,367.85	298.06
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,746.63	298.06
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,568.71	309.98
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,547.06	309.98
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,904.38	335.32
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,643.23	335.32
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	5,186.75	397.31
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,595.74	496.72
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	9,371.08	496.72
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,806.77	496.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0013		**Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)** *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	4,109.27	298.06
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,601.84	298.06
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,656.66	309.98
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,754.11	309.98
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	8,161.46	335.32
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	8,935.47	335.32
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	8,347.74	397.31
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	9,425.21	496.72
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,736.40	496.72
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	14,902.79	496.72
07 72 63 00-0024		**Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63)* Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		**Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63 00-0024)*		
07 72 63 00-0026		**Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	274.08	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	382.34	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	544.70	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	505.48	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	938.50	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	949.31	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	736.90	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	953.41	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,391.83	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,830.26	
07 72 63 00-0037		**Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63 00-0024)*		
07 72 63 00-0038		**Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63 00-0037)*		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	567.06	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	751.10	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,086.69	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	1,014.98	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,940.54	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,951.36	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,452.06	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,955.44	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,859.35	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,801.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0049		**Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63 00-0037)*		
07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	702.39	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	870.19	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,270.71	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,204.43	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,335.66	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,324.84	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,701.06	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,350.56	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,292.36	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,575.17	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001		**Roof Protection Board** *(07 73)* Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 73 00 00-0002		**Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®)** *(07 73 00 00-0001)*		
07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.72	0.75
		For No Adhesive, Deduct	*-1.00*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.32	0.82
		For No Adhesive, Deduct	*-1.03*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.62	0.90
		For No Adhesive, Deduct	*-1.06*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.78	0.75
		For No Adhesive, Deduct	*-1.00*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.41	0.82
		For No Adhesive, Deduct	*-1.03*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.71	0.90
		For No Adhesive, Deduct	*-1.06*	
07 73 00 00-0009		**Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®)** *(07 73 00 00-0001)*		
07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.61	0.75
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.26	0.82
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.59	0.90
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.67	0.75
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.35	0.82
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.68	0.90
07 73 00 00-0016		**Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®)** *(07 73 00 00-0001)* Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.56	0.75
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	5.16	0.82
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.89*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	5.46	0.90
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.97*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.62	0.75
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.25	0.82
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.89*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.55	0.90
		For Mechanically Fastened To Concrete, Add	*1.98*	
		For Mechanically Fastened To Gypsum, Add	*2.55*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.85*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.97*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	14.46	9.28
		For 1-1/2" Thickness, Deduct	*-1.45*	
		For 2-1/2" Thickness, Add	*1.56*	
		For 3" Thickness, Add	*3.13*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	12.92	7.00
		For 1-1/2" Thickness, Deduct	*-1.29*	
		For 2-1/2" Thickness, Add	*1.40*	
		For 3" Thickness, Add	*2.81*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	12.08	5.57
		For 1-1/2" Thickness, Deduct	*-1.21*	
		For 2-1/2" Thickness, Add	*1.31*	
		For 3" Thickness, Add	*2.63*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	11.60	4.86
		For 1-1/2" Thickness, Deduct	*-1.16*	
		For 2-1/2" Thickness, Add	*1.26*	
		For 3" Thickness, Add	*2.52*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	10.97	4.42
		For 1-1/2" Thickness, Deduct	*-1.10*	
		For 2-1/2" Thickness, Add	*1.19*	
		For 3" Thickness, Add	*2.38*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	28.15	1.49
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	29.64	1.49
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	31.13	1.49
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	15.47	1.49
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	14.40	1.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	14.72	1.49
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	8.21	1.49
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	11.30	1.49

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	6.72
		For 20 Year Warranty, Deduct	*-0.37*
		For 15 Year Warranty, Deduct	*-0.75*
		For 10 Year Warranty, Deduct	*-1.02*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	8.67
		For 20 Year Warranty, Deduct	*-0.53*
		For 15 Year Warranty, Deduct	*-1.07*
		For 10 Year Warranty, Deduct	*-1.44*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	10.21
		For 20 Year Warranty, Deduct	*-0.62*
		For 15 Year Warranty, Deduct	*-1.24*
		For 10 Year Warranty, Deduct	*-1.68*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	12.27
		For 20 Year Warranty, Deduct	*-0.77*
		For 15 Year Warranty, Deduct	*-1.56*
		For 10 Year Warranty, Deduct	*-2.10*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.33	0.84
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	3.29	1.26

07 81 16 00-0004 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.73	0.86
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	5.27	0.86

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	18.18
		For >10,000, Deduct	*-1.74*
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	29.15
		For >10,000, Deduct	*-2.83*

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.85
		For >10,000, Deduct	*-1.10*
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	26.14
		For >10,000, Deduct	*-2.52*
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	59.03
		For >10,000, Deduct	*-5.81*
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	81.21
		For >10,000, Deduct	*-8.02*
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	103.42
		For >10,000, Deduct	*-10.23*
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	125.65
		For >10,000, Deduct	*-12.45*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0012		Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*		
		Note: Excludes primer.		
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.81	
		For >10,000, Deduct	*-2.30*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	44.19	
		For >10,000, Deduct	*-4.33*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	70.08	
		For >10,000, Deduct	*-6.91*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	97.80	
		For >10,000, Deduct	*-9.68*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	123.70	
		For >10,000, Deduct	*-12.26*	
07 81 23 00-0018		Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*		
07 81 23 00-0019		Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*		
		Note: Excludes primer.		
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.57	
		For >10,000, Deduct	*-1.10*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.26	
		For >10,000, Deduct	*-2.56*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	60.09	
		For >10,000, Deduct	*-5.94*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	82.91	
		For >10,000, Deduct	*-8.22*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	105.74	
		For >10,000, Deduct	*-10.49*	
07 81 33		**Mineral-Fiber Fireproofing** *(07 81)*		
07 81 33 00-0001		Cellulose Fireproofing *(07 81 33)*		
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.88	0.86
07 84		**Firestopping** *(07 80)*		
07 84 13		**Penetration Firestopping** *(07 84)*		
07 84 13 16		**Penetration Firestopping Devices** *(07 84 13)*		
07 84 13 16-0001		Firestopping Systems For Cable Penetrations *(07 84 13 16)*		
07 84 13 16-0002		Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*		
		Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	70.70	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	93.28	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	148.21	
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*		
		Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	124.45	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	215.16	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	390.10	
07 84 13 16-0010		3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*		
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	280.60	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	260.65	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	268.22	
07 84 13 16-0014		Intumescent Firestopping Pipe Collar *(07 84 13 16)*		
07 84 13 16-0015	EA	1-1/2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	43.91	13.28
07 84 13 16-0016	EA	2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	52.27	13.28
07 84 13 16-0017	EA	3" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	60.59	14.61
07 84 13 16-0018	EA	4" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	93.28	16.60
07 84 13 16-0019	EA	8" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 8")	443.07	19.92
07 84 13 16-0020	EA	10" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 10")	571.47	21.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0021		**Fire Rated Enclosures (Fire Rated Product Specialties Corp.)** *(07 84 13 16)* Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	188.99	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	199.86	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	387.18	
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	247.70	
07 84 13 16-0026		**Intumescent Firestopping Wrap Strips** *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.60	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		**Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+)** *(07 84 13 19)* Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.67	
		For Intumescent Sealant For Plastic Pipe, Add	*0.07*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.94	
		For Intumescent Sealant For Plastic Pipe, Add	*0.38*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.70	
		For Intumescent Sealant For Plastic Pipe, Add	*0.28*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.30	
		For Intumescent Sealant For Plastic Pipe, Add	*0.12*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.15	
		For Intumescent Sealant For Plastic Pipe, Add	*0.81*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.90	
		For Intumescent Sealant For Plastic Pipe, Add	*0.71*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.51	
		For Intumescent Sealant For Plastic Pipe, Add	*0.56*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.89	
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.36	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.39	
		For Intumescent Sealant For Plastic Pipe, Add	*1.36*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.16	
		For Intumescent Sealant For Plastic Pipe, Add	*1.27*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.75	
		For Intumescent Sealant For Plastic Pipe, Add	*1.10*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.13	
		For Intumescent Sealant For Plastic Pipe, Add	*0.86*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	45.61	
		For Intumescent Sealant For Plastic Pipe, Add	*0.65*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	44.37	
		For Intumescent Sealant For Plastic Pipe, Add	*0.15*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	64.16	
		For Intumescent Sealant For Plastic Pipe, Add	*3.67*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	59.85	
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	59.45	
		For Intumescent Sealant For Plastic Pipe, Add	*1.78*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	58.82	
		For Intumescent Sealant For Plastic Pipe, Add	*1.53*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	58.30	
		For Intumescent Sealant For Plastic Pipe, Add	*1.32*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.06	
		For Intumescent Sealant For Plastic Pipe, Add	*0.83*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	55.44	
		For Intumescent Sealant For Plastic Pipe, Add	*0.18*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	85.65	
		For Intumescent Sealant For Plastic Pipe, Add	*6.77*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	85.21	
		For Intumescent Sealant For Plastic Pipe, Add	*6.59*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	84.50	
		For Intumescent Sealant For Plastic Pipe, Add	*6.31*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	83.38	
		For Intumescent Sealant For Plastic Pipe, Add	*5.86*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	82.44	
		For Intumescent Sealant For Plastic Pipe, Add	*5.48*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	75.09	
		For Intumescent Sealant For Plastic Pipe, Add	*2.54*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	73.49	
		For Intumescent Sealant For Plastic Pipe, Add	*1.90*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	71.03	
		For Intumescent Sealant For Plastic Pipe, Add	*0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	135.27	
		For Intumescent Sealant For Plastic Pipe, Add	*15.62*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	134.83	
		For Intumescent Sealant For Plastic Pipe, Add	*15.44*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	134.12	
		For Intumescent Sealant For Plastic Pipe, Add	*15.16*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	133.01	
		For Intumescent Sealant For Plastic Pipe, Add	*14.71*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	132.06	
		For Intumescent Sealant For Plastic Pipe, Add	*14.33*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	129.82	
		For Intumescent Sealant For Plastic Pipe, Add	*13.44*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	126.91	
		For Intumescent Sealant For Plastic Pipe, Add	*12.27*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	122.51	
		For Intumescent Sealant For Plastic Pipe, Add	*10.51*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	105.91	
		For Intumescent Sealant For Plastic Pipe, Add	*3.87*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	178.49	
		For Intumescent Sealant For Plastic Pipe, Add	*24.66*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	174.08	
		For Intumescent Sealant For Plastic Pipe, Add	*22.90*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	165.24	
		For Intumescent Sealant For Plastic Pipe, Add	*19.36*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	129.16	
		For Intumescent Sealant For Plastic Pipe, Add	*4.93*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	225.70	
		For Intumescent Sealant For Plastic Pipe, Add	*35.29*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	199.46	
		For Intumescent Sealant For Plastic Pipe, Add	*24.80*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	153.16	
		For Intumescent Sealant For Plastic Pipe, Add	*6.28*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	33.31
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	33.22
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	33.10
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.80
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.70
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.58
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.39
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.21
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.16
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.08
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.94
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.75
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.58
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.15
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.72
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.64
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.51
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.32
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.15
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.72
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.12
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	71.96
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	71.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	71.74	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	71.53	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	71.33	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.90	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.36	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.51	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.67	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.58	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.45	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.26	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.09	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	102.66	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	102.07	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	101.27	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	99.52	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	128.60	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	127.79	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	126.04	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	121.10	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	154.30	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	149.35	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	142.81	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	40.76	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	56.77	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	59.52	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	62.27	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	65.02	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	81.04	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	16.94	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	17.50	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	16.47	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	17.54	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	17.12	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	16.54	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	38.35	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	41.08	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	44.43	

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	359.74	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	499.27	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	668.96	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0024		**Endothermic Mat Wrap Fire Barrier** *(07 84 16)* Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	55.86	
07 84 16 00-0026		**Firestopping Caulk For Filling Opening** *(07 84 16)*		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	151.97	
07 84 16 00-0028		**Firestopping Mortar For Filling Opening** *(07 84 16)*		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	176.33	
07 84 23		**Silicone Firestopping Foams** *(07 84)*		
07 84 23 00-0001		**Silicone RTV Foam Seal For Blank Openings** *(07 84 23)* Note: Includes 7" depth of silicone foam barrier and 1" depth backer board		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	49.87	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	105.52	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	185.07	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	271.18	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	381.08	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	511.38	
07 84 43		**Joint Firestopping** *(07 84)*		
07 84 43 00-0001		**Intumescent Firestopping Sealant For Joints (3M CP 25WB+)** *(07 84 43)*		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	465.09	123.72
		For Up To 6 CLF, Add	*25.60*	
		For >30 CLF, Deduct	*-27.95*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*14.09*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	512.08	123.72
		For Up To 4 CLF, Add	*29.13*	
		For >20 CLF, Deduct	*-32.65*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*21.14*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	572.81	127.84
		For Up To 3 CLF, Add	*33.34*	
		For >15 CLF, Deduct	*-38.04*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*28.18*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	596.30	127.84
		For Up To 2.5 CLF, Add	*35.10*	
		For >13 CLF, Deduct	*-40.38*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*31.71*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	666.76	127.84
		For Up To 2 CLF, Add	*40.38*	
		For >10 CLF, Deduct	*-47.43*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*42.28*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	737.22	127.84
		For Up To 1.5 CLF, Add	*45.67*	
		For >8 CLF, Deduct	*-54.48*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*52.85*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	821.42	133.34
		For Up To 1.3 CLF, Add	*51.64*	
		For >7 CLF, Deduct	*-62.21*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*63.41*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	774.44	133.34
		For Up To 1.4 CLF, Add	*48.12*	
		For >7.5 CLF, Deduct	*-57.51*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*56.37*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	882.14	137.47
		For Up To 1.15 CLF, Add	*55.85*	
		For >6 CLF, Deduct	*-67.59*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*70.46*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	976.08	137.47
		For Up To 1 CLF, Add	*62.90*	
		For >5 CLF, Deduct	*-76.99*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*84.55*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,083.77	141.59
		For Up To 0.8 CLF, Add	*70.63*	
		For >4.5 CLF, Deduct	*-87.07*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*98.64*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,191.46	147.09
		For Up To 0.75 CLF, Add	*78.36*	
		For >4 CLF, Deduct	*-97.15*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*112.74*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,299.16	151.22
		For Up To 0.65 CLF, Add	*86.10*	
		For >3.5 CLF, Deduct	*-107.23*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*126.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,622.23	164.96
		For Up To 0.5 CLF, Add	*109.30*	
		For >2.5 CLF, Deduct	*-137.48*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*169.10*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,053.00	182.83
		For Up To 0.4 CLF, Add	*140.23*	
		For >2 CLF, Deduct	*-177.81*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*225.47*	
07 84 43 00-0017		**Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series)** *(07 84 43)*		
07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	478.17	123.72
		For Up To 6 CLF, Add	*26.58*	
		For >30 CLF, Deduct	*-29.26*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	531.67	123.72
		For Up To 4 CLF, Add	*30.60*	
		For >20 CLF, Deduct	*-34.61*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	598.94	127.84
		For Up To 3 CLF, Add	*35.30*	
		For >15 CLF, Deduct	*-40.65*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	625.69	127.84
		For Up To 2.5 CLF, Add	*37.30*	
		For >13 CLF, Deduct	*-43.32*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	705.94	127.84
		For Up To 2 CLF, Add	*43.32*	
		For >10 CLF, Deduct	*-51.35*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	786.20	127.84
		For Up To 1.5 CLF, Add	*49.34*	
		For >8 CLF, Deduct	*-59.37*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	880.19	133.34
		For Up To 1.3 CLF, Add	*56.05*	
		For >7 CLF, Deduct	*-68.09*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	826.69	133.34
		For Up To 1.4 CLF, Add	*52.04*	
		For >7.5 CLF, Deduct	*-62.74*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	947.45	137.47
		For Up To 1.15 CLF, Add	*60.75*	
		For >6 CLF, Deduct	*-74.12*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,054.45	137.47
		For Up To 1 CLF, Add	*68.77*	
		For >5 CLF, Deduct	*-84.82*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,175.20	141.59
		For Up To 0.8 CLF, Add	*77.49*	
		For >4.5 CLF, Deduct	*-96.21*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,295.95	147.09
		For Up To 0.75 CLF, Add	*86.20*	
		For >4 CLF, Deduct	*-107.60*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,416.72	151.22
		For Up To 0.65 CLF, Add	*94.91*	
		For >3.5 CLF, Deduct	*-118.99*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,778.97	164.96
		For Up To 0.5 CLF, Add	*121.05*	
		For >2.5 CLF, Deduct	*-153.15*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,261.99	182.83
		For Up To 0.4 CLF, Add	*155.90*	
		For >2 CLF, Deduct	*-198.71*	
07 84 43 00-0033		**Passive Smoke And Fire Protection Sealant For Joints (STI ES Series)** *(07 84 43)*		
07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	426.51	123.72
		For Up To 6 CLF, Add	*22.71*	
		For >30 CLF, Deduct	*-24.09*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	454.18	123.72
		For Up To 4 CLF, Add	*24.78*	
		For >20 CLF, Deduct	*-26.86*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	495.62	127.84
		For Up To 3 CLF, Add	*27.55*	
		For >15 CLF, Deduct	*-30.32*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	509.45	127.84
		For Up To 2.5 CLF, Add	*28.59*	
		For >13 CLF, Deduct	*-31.70*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	550.97	127.84
		For Up To 2 CLF, Add	*31.70*	
		For >10 CLF, Deduct	*-35.85*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	592.48	127.84
		For Up To 1.5 CLF, Add	*34.81*	
		For >8 CLF, Deduct	*-40.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	647.73	133.34
		For Up To 1.3 CLF, Add	*38.61*	
		For >7 CLF, Deduct	*-44.84*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	620.05	133.34
		For Up To 1.4 CLF, Add	*36.54*	
		For >7.5 CLF, Deduct	*-42.07*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	689.15	137.47
		For Up To 1.15 CLF, Add	*41.38*	
		For >6 CLF, Deduct	*-48.29*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	744.50	137.47
		For Up To 1 CLF, Add	*45.53*	
		For >5 CLF, Deduct	*-53.83*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	813.59	141.59
		For Up To 0.8 CLF, Add	*50.37*	
		For >4.5 CLF, Deduct	*-60.05*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	882.68	147.09
		For Up To 0.75 CLF, Add	*55.20*	
		For >4 CLF, Deduct	*-66.27*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	951.79	151.22
		For Up To 0.65 CLF, Add	*60.04*	
		For >3.5 CLF, Deduct	*-72.50*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,159.06	164.96
		For Up To 0.5 CLF, Add	*74.56*	
		For >2.5 CLF, Deduct	*-91.16*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,435.45	182.83
		For Up To 0.4 CLF, Add	*93.91*	
		For >2 CLF, Deduct	*-116.05*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	12.52	
		For Work In Restricted Working Space, Add	*1.98*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.	18.92	
		For Work In Restricted Working Space, Add	*1.98*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.	20.45	
		For Work In Restricted Working Space, Add	*1.98*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	22.64	13.83
		For Work In Restricted Working Space, Add	*5.56*	
		For >500 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-3.38*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	26.06	13.83
		For Work In Restricted Working Space, Add	*5.56*	
		For >500 To 5,000, Deduct	*-2.66*	
		For >5,000, Deduct	*-4.64*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	29.80	13.83
		For Work In Restricted Working Space, Add	*5.56*	
		For >500 To 5,000, Deduct	*-3.52*	
		For >5,000, Deduct	*-6.03*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	33.55	13.83
		For Work In Restricted Working Space, Add	*5.56*	
		For >500 To 5,000, Deduct	*-4.38*	
		For >5,000, Deduct	*-7.41*	

07 86 Smoke Seals *(07 80)*

07 86 00 00-0001 Food-Grade Silicone Sealant For Joints (DOW 786) *(07 86)*

Note: Mildew Resistant; Mold Resistant

07 86 00 00-0002	CLF	1/4" x 1/4" Joint, Food-Grade Sealant (DOWSIL 786)	452.74	123.72
		For Up To 6 CLF, Add	*24.68*	
		For >30 CLF, Deduct	*-26.72*	
07 86 00 00-0003	CLF	1/4" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	493.56	123.72
		For Up To 4 CLF, Add	*27.74*	
		For >20 CLF, Deduct	*-30.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 86 00 00-0004	CLF	1/4" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	548.12	127.84
		For Up To 3 CLF, Add	*31.49*	
		For >15 CLF, Deduct	*-35.57*	
07 86 00 00-0005	CLF	3/8" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	568.52	127.84
		For Up To 2.5 CLF, Add	*33.02*	
		For >13 CLF, Deduct	*-37.61*	
07 86 00 00-0006	CLF	3/8" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	629.72	127.84
		For Up To 2 CLF, Add	*37.61*	
		For >10 CLF, Deduct	*-43.73*	
07 86 00 00-0007	CLF	3/8" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	690.92	127.84
		For Up To 1.5 CLF, Add	*42.20*	
		For >8 CLF, Deduct	*-49.85*	
07 86 00 00-0008	CLF	3/8" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	765.86	133.34
		For Up To 1.3 CLF, Add	*47.47*	
		For >7 CLF, Deduct	*-56.65*	
07 86 00 00-0009	CLF	1/2" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	725.06	133.34
		For Up To 1.4 CLF, Add	*44.41*	
		For >7.5 CLF, Deduct	*-52.57*	
07 86 00 00-0010	CLF	1/2" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	820.41	137.47
		For Up To 1.15 CLF, Add	*51.22*	
		For >6 CLF, Deduct	*-61.42*	
07 86 00 00-0011	CLF	1/2" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	902.01	137.47
		For Up To 1 CLF, Add	*57.34*	
		For >5 CLF, Deduct	*-69.58*	
07 86 00 00-0012	CLF	1/2" x 7/8" Joint, Food-Grade Sealant (DOWSIL 786)	997.35	141.59
		For Up To 0.8 CLF, Add	*64.15*	
		For >4.5 CLF, Deduct	*-78.43*	
07 86 00 00-0013	CLF	1/2" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,092.69	147.09
		For Up To 0.75 CLF, Add	*70.95*	
		For >4 CLF, Deduct	*-87.27*	
07 86 00 00-0014	CLF	3/4" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	1,188.05	151.22
		For Up To 0.65 CLF, Add	*77.76*	
		For >3.5 CLF, Deduct	*-96.12*	
07 86 00 00-0015	CLF	3/4" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,474.08	164.96
		For Up To 0.5 CLF, Add	*98.18*	
		For >2.5 CLF, Deduct	*-122.66*	
07 86 00 00-0016	CLF	1" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,855.47	182.83
		For Up To 0.4 CLF, Add	*125.41*	
		For >2 CLF, Deduct	*-158.05*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.69	0.74
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.91	0.74
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	3.23	0.74
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.75	0.74
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.92	0.89
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	4.37	0.89
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	5.51	0.89
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.62	1.04
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.86	1.18
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.76	1.33
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	22.14	1.64

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	3.40	0.89
		For Custom Match Coloring, Add	*0.06*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	10.24	2.52
		For Custom Match Coloring, Add	*0.24*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	12.39	2.67
		For Custom Match Coloring, Add	*0.37*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	13.50	2.82
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	18.10	5.20

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	586.17	171.23
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	917.25	247.35
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	744.81	212.03
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	839.99	222.57
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,283.30	342.46
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,451.63	370.95
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,257.49	269.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0015		**Closed Cell Polyvinyl Chloride** *(07 91 26)*		
07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	606.97	212.03
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	1,042.03	342.46
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	797.95	292.30
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	971.70	308.62
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,478.55	473.32
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,740.46	513.69
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,320.38	615.77
07 91 26 00-0023		**Silicon RTV Foam Penetration Seal** *(07 91 26)*		
07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	177.70	33.98
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	355.39	67.81
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	529.25	100.75
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	743.14	135.77
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	177.70	33.98
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	528.64	100.46
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	890.31	150.89
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,777.94	300.76
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,351.50	542.91
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	5,136.38	848.13
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,625.26	1,357.06
07 91 26 00-0035		**Seals O-Ring Type Cord "J-Seal"** *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	6.35	1.93
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	6.72	1.93
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	7.06	2.09
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	7.43	2.24
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	7.93	2.39
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	8.28	2.39
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	8.72	2.53
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	8.99	2.53
07 91 33		**Expansion Joint Seal Systems** *(07 91)*		
07 91 33 00-0001		**Expansion Joint Seal Systems (Wabo®)** *(07 91 33)*		
07 91 33 00-0002		**Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal)** *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	100.20	8.72
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	133.85	9.13
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	169.33	9.55
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	208.81	9.96
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	270.68	10.38
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	310.83	10.79
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	360.61	11.21
07 91 33 00-0010		**Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal)** *(07 91 33 00-0001)*		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	51.55	8.72
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	56.22	8.84
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	67.84	8.97
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	71.98	9.13
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	76.86	9.25
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	94.09	9.39
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	115.93	9.55
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	137.04	9.96
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	155.07	10.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	43.26	8.72
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	56.07	9.13
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	68.66	9.55
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	72.48	9.75
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	80.35	9.96
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	114.97	10.38
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	157.81	10.79
07 91 33 00-0028		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	36.94	3.46
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	61.87	3.60
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	93.06	3.74
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	117.32	3.87
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	154.34	4.01
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	204.13	4.16
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	250.34	4.29
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	337.56	4.43
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	394.06	4.57
07 91 33 00-0038		Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	36.05	3.46
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	47.53	3.60
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	63.71	3.74
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	86.39	3.87
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	98.55	4.01
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	136.69	4.16
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	183.57	4.29
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	198.19	4.43

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001		Silicone Sealant And Caulking *(07 92 13)*		
07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	426.44	123.72
		For Custom Match Coloring, Add	*13.27*	
		For Up To 6 CLF, Add	*22.70*	
		For >30 CLF, Deduct	*-24.09*	
		For 1 Part Mildew Resistant, Add	*19.35*	
		For High-Modulus Non-Acid Curing, Add	*11.06*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	454.09	123.72
		For Custom Match Coloring, Add	*19.90*	
		For Up To 4 CLF, Add	*24.78*	
		For >20 CLF, Deduct	*-26.85*	
		For 1 Part Mildew Resistant, Add	*29.03*	
		For High-Modulus Non-Acid Curing, Add	*16.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	495.49	127.84
		For Custom Match Coloring, Add	*26.54*	
		For Up To 3 CLF, Add	*27.54*	
		For >15 CLF, Deduct	*-30.30*	
		For 1 Part Mildew Resistant, Add	*38.70*	
		For High-Modulus Non-Acid Curing, Add	*22.11*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	509.31	127.84
		For Custom Match Coloring, Add	*29.85*	
		For Up To 2.5 CLF, Add	*28.58*	
		For >13 CLF, Deduct	*-31.69*	
		For 1 Part Mildew Resistant, Add	*43.54*	
		For High-Modulus Non-Acid Curing, Add	*24.88*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	550.77	127.84
		For Custom Match Coloring, Add	*39.80*	
		For Up To 2 CLF, Add	*31.68*	
		For >10 CLF, Deduct	*-35.83*	
		For 1 Part Mildew Resistant, Add	*58.05*	
		For High-Modulus Non-Acid Curing, Add	*33.17*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	592.24	127.84
		For Custom Match Coloring, Add	*49.76*	
		For Up To 1.5 CLF, Add	*34.80*	
		For >8 CLF, Deduct	*-39.98*	
		For 1 Part Mildew Resistant, Add	*72.56*	
		For High-Modulus Non-Acid Curing, Add	*41.46*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	647.44	133.34
		For Custom Match Coloring, Add	*59.71*	
		For Up To 1.3 CLF, Add	*38.59*	
		For >7 CLF, Deduct	*-44.81*	
		For 1 Part Mildew Resistant, Add	*87.07*	
		For High-Modulus Non-Acid Curing, Add	*49.76*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	619.80	133.34
		For Custom Match Coloring, Add	*53.07*	
		For Up To 1.4 CLF, Add	*36.52*	
		For >7.5 CLF, Deduct	*-42.05*	
		For 1 Part Mildew Resistant, Add	*77.40*	
		For High-Modulus Non-Acid Curing, Add	*44.23*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	688.83	137.47
		For Custom Match Coloring, Add	*66.34*	
		For Up To 1.15 CLF, Add	*41.35*	
		For >6 CLF, Deduct	*-48.26*	
		For 1 Part Mildew Resistant, Add	*96.75*	
		For High-Modulus Non-Acid Curing, Add	*55.28*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	744.12	137.47
		For Custom Match Coloring, Add	*79.61*	
		For Up To 1 CLF, Add	*45.50*	
		For >5 CLF, Deduct	*-53.79*	
		For 1 Part Mildew Resistant, Add	*116.10*	
		For High-Modulus Non-Acid Curing, Add	*66.34*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	813.14	141.59
		For Custom Match Coloring, Add	*92.88*	
		For Up To 0.8 CLF, Add	*50.33*	
		For >4.5 CLF, Deduct	*-60.01*	
		For 1 Part Mildew Resistant, Add	*135.45*	
		For High-Modulus Non-Acid Curing, Add	*77.40*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	882.16	147.09
		For Custom Match Coloring, Add	*106.14*	
		For Up To 0.75 CLF, Add	*55.16*	
		For >4 CLF, Deduct	*-66.22*	
		For 1 Part Mildew Resistant, Add	*154.79*	
		For High-Modulus Non-Acid Curing, Add	*88.45*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	951.21	151.22
		For Custom Match Coloring, Add	*119.41*	
		For Up To 0.65 CLF, Add	*60.00*	
		For >3.5 CLF, Deduct	*-72.44*	
		For 1 Part Mildew Resistant, Add	*174.15*	
		For High-Modulus Non-Acid Curing, Add	*99.51*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,158.29	164.96
		For Custom Match Coloring, Add	*159.22*	
		For Up To 0.5 CLF, Add	*74.50*	
		For >2.5 CLF, Deduct	*-91.09*	
		For 1 Part Mildew Resistant, Add	*232.19*	
		For High-Modulus Non-Acid Curing, Add	*132.68*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,434.42	182.83
		For Custom Match Coloring, Add	*212.29*	
		For Up To 0.4 CLF, Add	*93.83*	
		For >2 CLF, Deduct	*-115.95*	
		For 1 Part Mildew Resistant, Add	*309.59*	
		For High-Modulus Non-Acid Curing, Add	*176.91*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	390.56	123.72
		For Up To 6 CLF, Add	*20.01*	
		For >30 CLF, Deduct	*-20.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	400.25	123.72
		For Up To 4 CLF, Add	*20.74*	
		For >20 CLF, Deduct	*-21.47*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	423.71	127.84
		For Up To 3 CLF, Add	*22.16*	
		For >15 CLF, Deduct	*-23.13*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	428.56	127.84
		For Up To 2.5 CLF, Add	*22.52*	
		For >13 CLF, Deduct	*-23.61*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	443.11	127.84
		For Up To 2 CLF, Add	*23.61*	
		For >10 CLF, Deduct	*-25.07*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	457.65	127.84
		For Up To 1.5 CLF, Add	*24.70*	
		For >8 CLF, Deduct	*-26.52*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	485.94	133.34
		For Up To 1.3 CLF, Add	*26.48*	
		For >7 CLF, Deduct	*-28.66*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	476.24	133.34
		For Up To 1.4 CLF, Add	*25.75*	
		For >7.5 CLF, Deduct	*-27.69*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	509.39	137.47
		For Up To 1.15 CLF, Add	*27.89*	
		For >6 CLF, Deduct	*-30.32*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	528.78	137.47
		For Up To 1 CLF, Add	*29.35*	
		For >5 CLF, Deduct	*-32.26*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	561.92	141.59
		For Up To 0.8 CLF, Add	*31.49*	
		For >4.5 CLF, Deduct	*-34.88*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	595.05	147.09
		For Up To 0.75 CLF, Add	*33.63*	
		For >4 CLF, Deduct	*-37.51*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	628.21	151.22
		For Up To 0.65 CLF, Add	*35.77*	
		For >3.5 CLF, Deduct	*-40.14*	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	727.63	164.96
		For Up To 0.5 CLF, Add	*42.20*	
		For >2.5 CLF, Deduct	*-48.02*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	860.20	182.83
		For Up To 0.4 CLF, Add	*50.77*	
		For >2 CLF, Deduct	*-58.53*	

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	413.56	123.72
		For Up To 6 CLF, Add	*21.74*	
		For >30 CLF, Deduct	*-22.80*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	434.76	123.72
		For Up To 4 CLF, Add	*23.33*	
		For >20 CLF, Deduct	*-24.92*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	469.72	127.84
		For Up To 3 CLF, Add	*25.61*	
		For >15 CLF, Deduct	*-27.73*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	480.32	127.84
		For Up To 2.5 CLF, Add	*26.40*	
		For >13 CLF, Deduct	*-28.79*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	512.12	127.84
		For Up To 2 CLF, Add	*28.79*	
		For >10 CLF, Deduct	*-31.97*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	543.92	127.84
		For Up To 1.5 CLF, Add	*31.17*	
		For >8 CLF, Deduct	*-35.15*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	589.46	133.34
		For Up To 1.3 CLF, Add	*34.24*	
		For >7 CLF, Deduct	*-39.01*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	568.26	133.34
		For Up To 1.4 CLF, Add	*32.65*	
		For >7.5 CLF, Deduct	*-36.89*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	624.42	137.47
		For Up To 1.15 CLF, Add	*36.52*	
		For >6 CLF, Deduct	*-41.82*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	666.82	137.47
		For Up To 1 CLF, Add	*39.70*	
		For >5 CLF, Deduct	*-46.06*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	722.96	141.59
		For Up To 0.8 CLF, Add	*43.57*	
		For >4.5 CLF, Deduct	*-50.99*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	779.10	147.09
		For Up To 0.75 CLF, Add	*47.44*	
		For >4 CLF, Deduct	*-55.92*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	835.26	151.22
		For Up To 0.65 CLF, Add	*51.30*	
		For >3.5 CLF, Deduct	*-60.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	1,003.69	164.96
		For Up To 0.5 CLF, Add	*62.90*	
		For >2.5 CLF, Deduct	*-75.63*	

07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	417.58	123.72
		For Up To 6 CLF, Add	*22.04*	
		For >30 CLF, Deduct	*-23.20*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	440.82	123.72
		For Up To 4 CLF, Add	*23.78*	
		For >20 CLF, Deduct	*-25.52*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	477.79	127.84
		For Up To 3 CLF, Add	*26.21*	
		For >15 CLF, Deduct	*-28.53*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	489.40	127.84
		For Up To 2.5 CLF, Add	*27.08*	
		For >13 CLF, Deduct	*-29.69*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	524.24	127.84
		For Up To 2 CLF, Add	*29.70*	
		For >10 CLF, Deduct	*-33.18*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	559.05	127.84
		For Up To 1.5 CLF, Add	*32.31*	
		For >8 CLF, Deduct	*-36.66*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	607.61	133.34
		For Up To 1.3 CLF, Add	*35.60*	
		For >7 CLF, Deduct	*-40.83*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	584.40	133.34
		For Up To 1.4 CLF, Add	*33.86*	
		For >7.5 CLF, Deduct	*-38.51*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	644.60	137.47
		For Up To 1.15 CLF, Add	*38.03*	
		For >6 CLF, Deduct	*-43.84*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	691.02	137.47
		For Up To 1 CLF, Add	*41.52*	
		For >5 CLF, Deduct	*-48.48*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	751.21	141.59
		For Up To 0.8 CLF, Add	*45.69*	
		For >4.5 CLF, Deduct	*-53.81*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	811.37	147.09
		For Up To 0.75 CLF, Add	*49.86*	
		For >4 CLF, Deduct	*-59.14*	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	871.58	151.22
		For Up To 0.65 CLF, Add	*54.03*	
		For >3.5 CLF, Deduct	*-64.48*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	1,052.10	164.96
		For Up To 0.5 CLF, Add	*66.54*	
		For >2.5 CLF, Deduct	*-80.47*	

07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	427.43	123.72
		For Up To 6 CLF, Add	*22.78*	
		For >30 CLF, Deduct	*-24.19*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	455.57	123.72
		For Up To 4 CLF, Add	*24.89*	
		For >20 CLF, Deduct	*-27.00*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	497.47	127.84
		For Up To 3 CLF, Add	*27.69*	
		For >15 CLF, Deduct	*-30.50*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	511.54	127.84
		For Up To 2.5 CLF, Add	*28.74*	
		For >13 CLF, Deduct	*-31.91*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	553.75	127.84
		For Up To 2 CLF, Add	*31.91*	
		For >10 CLF, Deduct	*-36.13*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	595.95	127.84
		For Up To 1.5 CLF, Add	*35.07*	
		For >8 CLF, Deduct	*-40.35*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	651.90	133.34
		For Up To 1.3 CLF, Add	*38.93*	
		For >7 CLF, Deduct	*-45.26*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	623.76	133.34
		For Up To 1.4 CLF, Add	*36.82*	
		For >7.5 CLF, Deduct	*-42.44*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	693.79	137.47
		For Up To 1.15 CLF, Add	*41.72*	
		For >6 CLF, Deduct	*-48.76*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	750.06	137.47
		For Up To 1 CLF, Add	*45.94*	
		For >5 CLF, Deduct	*-54.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	820.08	141.59
		For Up To 0.8 CLF, Add	*50.85*	
		For >4.5 CLF, Deduct	*-60.70*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	890.09	147.09
		For Up To 0.75 CLF, Add	*55.76*	
		For >4 CLF, Deduct	*-67.01*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	960.13	151.22
		For Up To 0.65 CLF, Add	*60.67*	
		For >3.5 CLF, Deduct	*-73.33*	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,170.18	164.96
		For Up To 0.5 CLF, Add	*75.39*	
		For >2.5 CLF, Deduct	*-92.27*	

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001 Acoustical Sealant *(07 92 19)*

07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	423.79	123.72
		For Custom Match Coloring, Add	*12.63*	
		For Up To 6 CLF, Add	*22.51*	
		For >30 CLF, Deduct	*-23.82*	
		For 1 Part Mildew Resistant, Add	*18.42*	
		For High-Modulus Non-Acid Curing, Add	*10.53*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	443.77	123.72
		For Custom Match Coloring, Add	*17.43*	
		For Up To 4 CLF, Add	*24.00*	
		For >20 CLF, Deduct	*-25.82*	
		For 1 Part Mildew Resistant, Add	*25.41*	
		For High-Modulus Non-Acid Curing, Add	*14.52*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	469.31	127.84
		For Custom Match Coloring, Add	*20.25*	
		For Up To 3 CLF, Add	*25.58*	
		For >15 CLF, Deduct	*-27.69*	
		For 1 Part Mildew Resistant, Add	*29.54*	
		For High-Modulus Non-Acid Curing, Add	*16.88*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	502.01	127.84
		For Custom Match Coloring, Add	*28.10*	
		For Up To 2.5 CLF, Add	*28.03*	
		For >13 CLF, Deduct	*-30.96*	
		For 1 Part Mildew Resistant, Add	*40.98*	
		For High-Modulus Non-Acid Curing, Add	*23.42*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	536.01	127.84
		For Custom Match Coloring, Add	*36.26*	
		For Up To 2 CLF, Add	*30.58*	
		For >10 CLF, Deduct	*-34.36*	
		For 1 Part Mildew Resistant, Add	*52.88*	
		For High-Modulus Non-Acid Curing, Add	*30.22*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	611.55	133.34
		For Custom Match Coloring, Add	*51.09*	
		For Up To 1.4 CLF, Add	*35.90*	
		For >7.5 CLF, Deduct	*-41.22*	
		For 1 Part Mildew Resistant, Add	*74.51*	
		For High-Modulus Non-Acid Curing, Add	*42.58*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	77.71	6.87
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	57.94	6.87
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	96.45	6.87

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	104.48	6.87
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	69.19	6.87
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	132.60	6.87

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	56.91	6.87
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	52.66	6.87
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	84.35	6.87

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	72.97	6.87
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	58.28	6.87
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	102.42	6.87

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	106.50	4.58
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	129.03	4.58
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	144.55	4.58

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	78.33	4.58
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	105.91	4.58

07 95 13 16-0009 Flat Wall To Wall *(07 95 13 16-0001)*

07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	57.70	4.58
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	74.25	4.58
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	94.22	4.58

07 95 13 16-0013 Corner To Flat Wall *(07 95 13 16-0001)*

07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	53.93	4.58
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	64.96	4.58
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	95.96	4.58

END OF SECTION 07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	633.78	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	662.51	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	695.46	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	925.45	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	956.31	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,355.25	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,375.15	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,413.20	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,625.16	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,652.04	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 19 Vehicle Lubrication Equipment *(11 11)*

11 11 19 00-0001 Reels *(11 11 19)*

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	1,216.94	159.32
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	1,187.53	159.32
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	1,044.17	159.32
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	1,158.68	159.32

11 11 19 00-0006 Air Operated Powered Pumps *(11 11 19)*

Note: Excludes air compressor.

11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,821.92	212.43
11 11 19 00-0008	EA	1", Antifreeze, Air Operatied Diaphragm Pump (Alemite 8325) Note: UL listed.	2,015.46	212.43
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,625.93	212.43
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 Lb. Drum (Alemite 9979-A) Note: Includes pump, drum cover and follower plate.	1,843.11	106.21

11 11 19 00-0011 Pumping Unit Accessories *(11 11 19)*

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	651.49	39.83
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	651.49	39.83
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	651.49	39.83
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	357.84	39.83
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	198.02	39.83
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	127.61	13.28
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	301.52	53.11
11 11 19 00-0019	EA	Unistrut Reel Brackets	257.58	10.62
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	353.91	39.83

11 11 36 Vehicle Charging Equipment *(11 11)*

11 11 36 13 Commercial Electric Vehicle Charging Unit *(11 11 36)*

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) *(11 11 36 13)*

Note: Available with RFID (Radio Frequency Identification) reader.

11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	4,419.62	169.66
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,830.57	226.22
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	8,158.25	169.66
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	13,919.38	226.22
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	3,846.47	84.83
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	7,444.96	84.83
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	3,725.77	113.11
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,184.08	113.11

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 11 36 13-0010		Electric Vehicle Charging Stations (AeroVironment) *(11 11 36 13)*		
			Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
	11 11 36 13-0011	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module)	3,112.53	84.83
			Note: Includes charging station only. Excludes mounting bracket or pedestal.		
	11 11 36 13-0012	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	4,290.94	113.11
			Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
	11 11 36 13-0013	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	7,177.24	141.38
			Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
	11 11 36 13-0014	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,517.16	169.66
			Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
	11 11 36 13-0015	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	7,403.46	197.94
			Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
	11 11 36 13-0016	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	10,289.77	226.22
			Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
	11 11 36 13-0017	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	13,176.06	254.49
			Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
	11 11 36 13-0018		Electric Vehicle Charging Stations (Leviton) *(11 11 36 13)*		
	11 11 36 13-0019	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000)	4,711.93	169.66
			Note: 208 to 240 volt, 30 amperes, 1 phase.		
			For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
			For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
			For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
			For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
			For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
	11 11 36 13-0020	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	3,789.12	169.66
			Note: 208 to 240 volt, 30 amperes, 1 phase.		
			For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
			For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
			For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
			For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
			For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
	11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000)	9,180.46	226.22
			Note: 208 to 240 volt, 30 amperes, 1 phase.		
			For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
			For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
			For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
			For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
			For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
	11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000)	8,254.67	226.22
			Note: 208 to 240 volt, 30 amperes, 1 phase.		
			For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
			For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
			For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
			For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
			For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
	11 11 36 13-0023	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000)	3,387.85	169.66
			For Cap, Add	*269.76*	
	11 11 36 13-0024	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000)	2,481.21	169.66
			For Cap, Add	*269.76*	
	11 11 36 13-0025	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000)	2,076.22	113.11
			For Cap, Add	*269.76*	

11 12 Parking Control Equipment *(11 10)*

11 12 16 Parking Ticket Dispensers *(11 12)*

	11 12 16 00-0001		Parking Ticket Dispensers *(11 12 16)*		
	11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	12,036.85	242.11
	11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	16,190.39	242.11

11 12 23 Parking Meters *(11 12)*

	11 12 23 00-0001		Parking Meters *(11 12 23)*		
	11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	222.23	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

	11 12 26 13-0001		Parking Fee Collection Equipment *(11 12 26 13)*		
	11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,863.79	82.04

11 12 33 Parking Gates *(11 12)*

11 12 33 13 Lift Arm Parking Gates *(11 12 33)*

	11 12 33 13-0001		Barrier Parking Gate Operators *(11 12 33 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0002		**Barrier Parking Gate Operators** *(11 12 33 13-0001)* Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,768.47	671.53
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,746.84	671.53
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,020.90	671.53
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,778.69	671.53
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,951.19	671.53
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,383.93	671.53
11 12 33 13-0009		**Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes** *(11 12 33 13-0001)* Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,797.32	1,343.07
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	23,095.10	1,343.07
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,959.60	1,343.07
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	23,257.37	1,343.07
11 12 33 13-0014		**Barrier Parking Gate Operator Accessories** *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	226.94	23.32
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	205.30	23.32
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	479.37	23.32
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	722.78	23.32
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	659.68	23.32
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	659.68	23.32
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	803.92	23.32
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	685.45	139.88
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	685.45	139.88
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	686.10	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,756.60	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) Note: Includes mounting plate and hardware. Excludes concrete foundation.	1,278.37	46.63
11 12 36		**Tire Shredders** *(11 12)*		
11 12 36 00-0001		**Tire Shredding Traffic Control Spikes** *(11 12 36)*		
11 12 36 00-0002		**Flush Mount, Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,807.18	373.03
11 12 36 00-0004		**Surface Mount, Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	5,054.81	186.51
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	3,612.35	186.51
11 12 36 00-0007		**Warning Signs And Signals For Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) Note: Includes light and mounting post.	2,249.48	69.95
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) Note: Includes mounting post and hardware.	1,827.31	93.26
11 13		**Loading Dock Equipment** *(11 10)* Note: Includes all anchor bolts, drilling and fasteners.		
11 13 13		**Loading Dock Bumpers** *(11 13)*		
11 13 13 00-0001		**Laminated Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0002		**4-1/2" Projection, Laminated Rubber Dock Bumpers** *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	142.97	27.49
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	176.00	27.49
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	222.60	27.49
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	157.04	27.49
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	168.72	27.49
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.58	27.49
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	222.60	27.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	297.16	27.49
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.68	27.49
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.58	27.49
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	229.23	27.49
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	257.35	27.49
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	348.66	27.49
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	212.81	27.49
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	245.51	27.49
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	315.17	27.49
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	196.49	27.49
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	208.02	27.49
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	235.82	27.49
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	278.16	27.49
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	371.84	27.49
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	222.08	27.49
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	231.56	27.49
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	269.16	27.49
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	325.24	27.49
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	482.26	27.49
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	278.32	27.49
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	315.92	27.49
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	320.92	27.49
11 13 13 00-0033		Extruded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	82.26	27.49
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	86.90	27.49
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	93.09	27.49
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	99.29	27.49
11 13 13 00-0039		4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	106.54	27.49
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	126.06	27.49
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	131.69	27.49
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	144.50	27.49
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	127.15	27.49
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	153.46	27.49
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	175.14	27.49
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	216.49	27.49
11 13 13 00-0049		Molded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	111.70	27.49
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	99.75	27.49
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	127.03	27.49
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	154.55	27.49
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	161.04	27.49
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	123.90	27.49
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	155.64	27.49
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	220.97	27.49
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	133.39	27.49
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	191.43	27.49
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	190.86	27.49
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	282.32	27.49
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	181.92	27.49
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	169.73	27.49
11 13 16		**Loading Dock Seals and Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	102.70	27.49
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	103.88	27.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	105.07	27.49
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	107.44	27.49
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	109.81	27.49
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	112.21	27.49
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	114.61	27.49
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	117.08	27.49
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	119.55	27.49
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	121.92	27.49
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	124.29	27.49
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	129.09	27.49
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	116.78	27.49
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.97	27.49
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.15	27.49
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	121.55	27.49
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.96	27.49
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.33	27.49
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.70	27.49
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	131.10	27.49
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.50	27.49
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.87	27.49
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	138.31	27.49
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	143.05	27.49
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.29	27.49
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.50	27.49
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.72	27.49
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.09	27.49
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	131.46	27.49
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.86	27.49
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	136.27	27.49
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	138.64	27.49
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.00	27.49
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	143.41	27.49
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	145.81	27.49
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	150.68	27.49
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	96.42	27.49
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	98.29	27.49
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	102.41	27.49
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	106.47	27.49
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	110.64	27.49
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	114.70	27.49
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	118.82	27.49
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	109.74	27.49
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	111.66	27.49
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	115.78	27.49
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.89	27.49
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	123.96	27.49
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	128.08	27.49
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	132.14	27.49
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	116.96	27.49
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.82	27.49
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	123.00	27.49
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	127.06	27.49
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	131.18	27.49
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	135.24	27.49
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	139.42	27.49
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	157.35	34.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-0003		**Rigid Loading Dock Shelters** *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	121.38	32.99
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	125.76	32.99
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	130.65	34.37
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	133.67	34.37
11 13 19		**Stationary Loading Dock Equipment** *(11 13)*		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,534.07	1,110.66
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	9,137.25	1,234.07
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	11,151.71	1,480.88
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	9,079.99	1,234.07
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	9,856.18	1,357.47
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	11,813.08	1,604.29
11 13 19 13-0009		25,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,700.57	1,110.66
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,307.93	1,234.07
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	11,311.57	1,480.88
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	9,241.28	1,234.07
11 13 19 13-0014	EA	7' x 8', 25,000 Lb. Hydraulic Dock Leveler	10,004.59	1,357.47
11 13 19 13-0015	EA	7' x 10', 25,000 Lb. Hydraulic Dock Leveler	12,126.95	1,604.29
11 13 19 13-0016		30,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,126.13	1,295.77
11 13 19 13-0018	EA	6' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,712.51	1,480.88
11 13 19 13-0019	EA	6' x 10', 30,000 Lb. Hydraulic Dock Leveler	11,811.17	1,727.69
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,712.51	1,480.88
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	10,437.82	1,665.99
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	12,536.49	1,789.40
11 13 19 13-0023		35,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,442.17	1,357.47
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	10,030.39	1,542.58
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	11,326.60	1,789.40
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	10,030.39	1,542.58
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	10,896.98	1,727.69
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	13,049.97	1,851.10
11 13 19 13-0030		40,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,963.82	1,357.47
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,551.14	1,542.58
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	12,687.81	1,789.40
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	10,551.14	1,542.58
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	11,418.85	1,727.69
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	13,571.43	1,851.10
11 13 19 13-0037		45,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	10,424.67	1,419.18
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	11,023.38	1,604.29
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	13,146.75	1,851.10
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	11,025.24	1,604.29
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	11,884.43	1,789.40
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	14,020.14	1,912.80
11 13 19 13-0044		Manual Dock Levelers *(11 13 19 13)*		
11 13 19 13-0045		20,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	6,837.13	1,110.66
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	7,451.03	1,234.07
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	9,454.78	1,480.88
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	7,384.58	1,234.07
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	8,159.25	1,357.47
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	10,289.21	1,480.88
11 13 19 13-0052		40,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	8,416.98	1,234.07
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	9,004.30	1,357.47
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	9,826.91	1,604.29
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	9,004.30	1,357.47
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	10,222.73	1,480.88
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	12,024.58	1,727.69
11 13 19 13-0059		Edge Of Dock Levelers *(11 13 19 13)*		
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge Of Dock Levelers *(11 13 19 13-0059)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,393.78	370.22
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,708.47	370.22
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,662.93	370.22
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,094.95	370.22
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,536.66	370.22
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,845.09	370.22
11 13 19 13-0067		Manual Edge Of Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,389.13	370.22
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,578.71	370.22
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,636.68	370.22
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,778.86	370.22
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	3,069.19	370.22
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,476.25	370.22
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,775.72	370.22
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,818.75	370.22
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,409.90	370.22
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,652.60	370.22
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	4,385.41	370.22
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	18,114.90	276.76
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	11,605.14	276.76
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	20,722.32	415.14
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	36,261.66	830.28
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	38,087.24	1,107.04
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift	33,605.12	1,845.57
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift	38,450.59	2,214.69
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	11,238.38	462.78
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	11,737.79	462.78
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,273.26	462.78
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	14,754.83	116.57
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	415.16	100.88
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	516.88	100.88
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	227.51	80.70
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	443.38	134.51
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	484.29	134.51
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	434.97	134.51
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	559.39	134.51
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	654.76	134.51
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	713.21	134.51
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	759.95	134.51
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	428.40	134.51
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	465.38	134.51
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	496.95	134.51

11 14 Pedestrian Control Equipment *(11 10)*

11 14 13 Pedestrian Gates *(11 14)*

11 14 13 16 Rotary Gates *(11 14 13)*

11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,438.19	1,840.18
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,124.42	1,840.18
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	29,941.71	2,745.46
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	29,011.80	2,745.46
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	15,146.12	1,840.18
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	16,767.26	1,840.18
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	35,245.30	2,745.46
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	31,813.93	2,745.46
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,886.95	1,840.18
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	27,234.95	1,840.18
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	31,677.55	2,745.46
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	53,053.08	2,745.46
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,860.58	1,840.18
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	27,854.89	1,840.18
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	39,860.75	2,745.46
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	49,593.81	2,745.46
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	48,932.85	1,840.45
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	263.47	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	185.98	
11 14 13 16-0028		Electrical, One-Way *(11 14 13 16-0001)*		
11 14 13 16-0029		Galvanized Steel *(11 14 13 16-0028)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,185.21	1,840.18
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,874.55	1,840.18
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	32,731.44	2,745.46
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	30,217.59	2,745.46
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	32,731.44	2,745.46
11 14 13 16-0035		**Powder Coated Steel** *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,890.05	1,840.18
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,777.77	1,840.18
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	43,608.29	2,745.46
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	33,035.21	2,745.46
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	35,555.27	2,745.46
11 14 13 16-0041		**Anodized Aluminum** *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,200.02	1,840.18
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,160.93	1,840.18
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,164.86	1,840.18
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	33,385.48	2,745.46
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	37,071.02	2,745.46
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	54,661.82	2,745.46
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,425.93	1,840.18
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	28,254.75	1,840.18
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	45,675.79	2,745.46
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	51,983.68	2,745.46
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	57,250.07	2,745.46
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	44,664.56	1,840.45
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	47,255.91	1,840.45
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	48,387.30	1,840.45
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	79,536.91	2,745.46
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	84,527.43	2,745.46
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,263.91	1,840.18
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	17,002.84	1,840.18
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	38,658.07	2,745.46
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	32,142.50	2,745.46
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,835.46	1,840.18
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	18,831.66	1,840.18
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	44,544.40	2,745.46
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	34,975.63	2,745.46
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,263.22	1,840.18
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,180.73	1,840.18
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	29,401.64	1,840.18
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	35,552.17	2,745.46
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	56,673.53	2,745.46
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	27,473.63	1,840.18
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	29,333.45	1,840.18
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	46,444.52	2,745.46
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	53,533.53	2,745.46
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	59,388.86	2,745.46
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	45,563.48	1,840.45
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	47,999.84	1,840.45
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	49,397.81	1,840.45
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	81,427.73	2,745.46
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	86,077.28	2,745.46
11 14 13 16-0089		Electrical Options *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,032.20	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	725.33	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	238.68	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	238.68	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	189.08	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	185.98	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	170.48	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	4,330.28	
11 14 13 16-0098		Relocate Rotary Gate *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	5,405.48	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		Turnstiles *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	2,940.54	518.92
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,813.34	518.92
11 14 16		**Pedestrian Control Devices** *(11 14)*		
11 14 16 00-0001		Retractable Barrier *(11 14 16)*		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	99.76	20.98
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	181.94	20.98
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	223.02	20.98
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	366.83	20.98

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		Dairy Products *(11 21 63)*		
11 21 63 00-0002		Refrigerated Dairy Case *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	1,986.60	398.45
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		Refrigerated Milk Unit *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,151.93	289.41
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	10,146.51	317.83
11 21 63 00-0008		Ice Cream Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	8,474.91	267.61
11 21 63 00-0010		Drop-In Ice Cream Freezer *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,113.48	66.60
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,761.79	87.09
11 21 63 00-0013		Ice Cream Cabinets *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	6,619.36	208.14
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	9,430.31	300.39
11 21 63 00-0016		Delicatessen Case, Service Deli *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,949.97	332.04
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	2,195.26	398.45
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,455.49	96.92
11 21 63 00-0020		Meat Case *(11 21 63)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,474.13	398.45
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,595.46	398.45
11 21 63 00-0023		Produce Case *(11 21 63)*		
11 21 63 00-0024	LF	Single Deck Produce Case	1,531.98	398.45
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,687.78	398.45
11 21 63 00-0026		Bottle Coolers *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	5,655.09	1,328.16
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	8,581.04	1,992.24
11 21 63 00-0029		Cold Pan Units *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	3,387.71	105.98
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	4,706.88	148.28
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	5,565.26	175.37
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	5,721.46	181.18
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	6,226.89	195.59
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	7,398.62	231.13
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,075.28	91.71

11 22 Banking Equipment *(11 20)*

11 22 13 Vault Equipment *(11 22)*

11 22 13 16 Safes *(11 22 13)*

11 22 13 16-0001		In Room Safes *(11 22 13 16)*		
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	849.77	13.74
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	795.41	13.74
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	828.03	13.74
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	925.87	13.74
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	958.49	13.74
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	991.11	13.74
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) Note: Includes security wire.	632.46	17.18
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) Note: Includes security wire.	654.20	17.18
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) Note: Includes security wire.	675.95	17.18

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001		Ranges With Ovens *(11 30 13 13)* Note: Free standing or slide in.		
11 30 13 13-0002		Electric Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0003	EA	20" Electric Range With Oven	840.95	93.26
		For Stainless Steel, Add	*163.61*	
11 30 13 13-0004	EA	24" Electric Range With Oven	878.46	93.26
		For Stainless Steel, Add	*172.99*	
11 30 13 13-0005	EA	30" Electric Range With Oven	841.46	93.26
		For Stainless Steel, Add	*187.05*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	1,014.04	93.26
11 30 13 13-0007		Gas Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0008	EA	20" Gas Range With Oven	934.71	93.26
		For Stainless Steel, Add	*187.05*	
11 30 13 13-0009	EA	24" Gas Range With Oven	983.47	93.26
		For Stainless Steel, Add	*199.24*	
11 30 13 13-0010	EA	30" Gas Range With Oven	1,028.47	93.26
		For Stainless Steel, Add	*210.49*	
11 30 13 13-0011		Range Hoods *(11 30 13 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0012		**Venting Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	287.44	69.95
		For Stainless Steel, Add	*22.13*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	265.52	69.95
		For Stainless Steel, Add	*18.85*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	261.67	69.95
		For Stainless Steel, Add	*18.27*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	265.52	69.95
		For Stainless Steel, Add	*18.85*	
11 30 13 13-0017		**Non-Ducted Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	290.27	69.95
		For Stainless Steel, Add	*22.56*	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	268.42	69.95
		For Stainless Steel, Add	*19.28*	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	264.56	69.95
		For Stainless Steel, Add	*18.70*	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	268.42	69.95
		For Stainless Steel, Add	*19.28*	
11 30 13 13-0022		**Microwaves** *(11 30 13 13)*		
11 30 13 13-0023		**Countertop Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	177.09	11.66
		For Stainless Steel, Add	*23.07*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	210.82	11.66
		For Stainless Steel, Add	*28.13*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	216.45	11.66
		For Stainless Steel, Add	*28.97*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	265.22	11.66
		For Stainless Steel, Add	*36.29*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	283.97	11.66
		For Stainless Steel, Add	*39.10*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	302.72	11.66
		For Stainless Steel, Add	*41.91*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	321.48	11.66
		For Stainless Steel, Add	*44.72*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	340.23	11.66
		For Stainless Steel, Add	*47.54*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	360.84	11.66
		For Stainless Steel, Add	*50.63*	
11 30 13 13-0033		**Over-The-Range Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	619.15	93.24
		For Stainless Steel, Add	*71.89*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	700.55	93.24
		For Stainless Steel, Add	*84.10*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	726.79	93.24
		For Stainless Steel, Add	*88.04*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	923.68	93.24
		For Stainless Steel, Add	*117.57*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	738.06	93.24
		For Stainless Steel, Add	*89.73*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	510.50	69.94
11 30 13 13-0040		**Trash Compactors** *(11 30 13 13)*		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,403.51	93.26
		For Stainless Steel, Add	*219.06*	
11 30 13 13-0042		**Refrigerators** *(11 30 13 13)*		
11 30 13 13-0043		**Top Freezer Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	693.31	46.63
		For Stainless Steel, Add	*90.01*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	841.46	46.63
		For Stainless Steel, Add	*112.23*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	937.08	46.63
		For Stainless Steel, Add	*126.57*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	993.34	46.63
		For Stainless Steel, Add	*135.01*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,143.35	46.63
		For Stainless Steel, Add	*157.51*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,272.76	46.63
		For Stainless Steel, Add	*176.93*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,368.38	46.63
		For Stainless Steel, Add	*191.27*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	1,365.94	46.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0052		**Side-By-Side Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,405.68	46.63
		For Stainless Steel, Add	*196.86*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,743.42	46.63
		For Stainless Steel, Add	*247.52*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	1,968.44	46.63
		For Stainless Steel, Add	*281.28*	
11 30 13 13-0056		**Other Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	230.59	23.32
		For Stainless Steel, Add	*27.59*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	314.97	23.32
		For Stainless Steel, Add	*40.25*	
11 30 13 13-0059		**Freezers** *(11 30 13 13)*		
11 30 13 13-0060		**Upright Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	653.94	46.63
		For Stainless Steel, Add	*84.10*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	841.46	46.63
		For Stainless Steel, Add	*112.23*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	897.72	46.63
		For Stainless Steel, Add	*120.67*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,028.98	46.63
		For Stainless Steel, Add	*140.36*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,180.86	46.63
		For Stainless Steel, Add	*163.14*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,255.88	46.63
		For Stainless Steel, Add	*174.39*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,312.12	46.63
		For Stainless Steel, Add	*182.83*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	524.54	46.63
		For Stainless Steel, Add	*64.69*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	655.80	46.63
		For Stainless Steel, Add	*84.38*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	702.70	46.63
		For Stainless Steel, Add	*91.42*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	787.07	46.63
		For Stainless Steel, Add	*104.07*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	841.46	46.63
		For Stainless Steel, Add	*112.23*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	1,028.98	46.63
		For Stainless Steel, Add	*140.36*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	1,272.76	46.63
		For Stainless Steel, Add	*176.93*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,312.12	46.63
		For Stainless Steel, Add	*182.83*	
11 30 13 13-0077		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,433.00	93.26
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,714.28	93.26
11 30 13 13-0080		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	1,180.35	93.26
		For Stainless Steel, Add	*149.08*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	786.56	93.26
		For Stainless Steel, Add	*90.01*	
11 30 13 13-0083		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	139.88	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	279.76	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	298.42	
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood	139.88	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer	233.14	
11 30 13 13-0089		**Appliance Repair** *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0090	EA	8" Burner Replacement	35.35	
11 30 13 13-0091	EA	4" Burner Element Replacement	61.47	
11 30 13 13-0092	EA	8" Burner Element Replacement	70.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0093	EA	Burner Manifold Replacement	244.00	
11 30 13 13-0094	EA	Burner Switch Replacement	97.85	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement	46.69	
11 30 13 13-0096	EA	Oven Control Replacement	116.85	
11 30 13 13-0097	EA	Oven Door Gasket Replacement	48.00	
11 30 13 13-0098	EA	Oven Element Replacement	109.49	
11 30 13 13-0099	EA	Oven Igniter Replacement	78.75	
11 30 13 13-0100	EA	Oven Knobs Replacement	59.88	
11 30 13 13-0101		Accessories *(11 30 13 13)*		
11 30 13 13-0102	SF	Colored Metal Range Splash Plate	18.33	3.73
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	27.06	3.73
11 30 13 13-0104		Automatic Water Softener *(11 30 13 13)*		
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,287.61	244.49
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,517.96	244.49
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		Washing Machines And Dryers *(11 30 13 23)*		
11 30 13 23-0002		Washing Machines *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	908.69	93.26
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,452.50	93.26
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,921.30	93.26
11 30 13 23-0006		Dryers *(11 30 13 23-0001)*		
11 30 13 23-0007		Electric Dryers *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	700.56	93.26
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	889.94	93.26
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,096.21	93.26
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,246.23	93.26
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	833.69	93.26
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,021.21	93.26
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,208.52	93.26
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,377.49	93.26
11 30 33		**Retractable Stairs** *(11 30)*		
11 30 33 00-0001		Disappearing Folding Access Stairs *(11 30 33)*		
11 30 33 00-0002		250 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	911.14	275.03
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	928.50	275.03
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	928.50	275.03
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	945.43	275.03
11 30 33 00-0007		350 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,069.60	275.03
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,104.70	275.03
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,090.27	275.03
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,123.80	275.03
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,110.31	275.03
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,168.27	275.03
11 30 33 00-0014		400 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
		Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015	EA	24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,128.89	275.03
11 30 33 00-0016	EA	24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,202.18	275.03
11 30 33 00-0017	EA	24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,275.46	275.03
11 30 33 00-0018	EA	24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,324.32	275.03
11 30 33 00-0019		600 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
		Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0020	EA	24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,495.33	275.03
		For Ladder Width 18 7/8" Wide, Add	*271.16*	
11 30 33 00-0021	EA	24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,544.18	275.03
		For Ladder Width 18 7/8" Wide, Add	*278.49*	
11 30 33 00-0022	EA	24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,568.61	275.03
		For Ladder Width 18 7/8" Wide, Add	*282.15*	
11 30 33 00-0023	EA	24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,641.90	275.03
		For Ladder Width 18 7/8" Wide, Add	*293.15*	
11 30 33 00-0024	EA	24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,808.38	275.03
		For Ladder Width 18 7/8" Wide, Add	*307.81*	
11 30 33 00-0025	EA	24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,930.52	275.03
		For Ladder Width 18 7/8" Wide, Add	*326.13*	
11 30 33 00-0026	EA	24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,052.67	275.03
		For Ladder Width 18 7/8" Wide, Add	*344.45*	

11 30 33 00-0027 800 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*

Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.

11 30 33 00-0028	EA	30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,616.12	275.03
11 30 33 00-0029	EA	30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,664.98	275.03
11 30 33 00-0030	EA	30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,713.84	275.03
11 30 33 00-0031	EA	30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,835.98	275.03
11 30 33 00-0032	EA	30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,978.02	275.03
11 30 33 00-0033	EA	30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,051.31	275.03
11 30 33 00-0034	EA	30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,173.45	275.03
11 30 33 00-0035	EA	30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,413.20	275.03
11 30 33 00-0036	EA	30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,633.07	275.03
11 30 33 00-0037	EA	30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,901.78	275.03
11 30 33 00-0038	EA	30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,146.08	275.03

11 30 33 00-0039 300 Lb. Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0040	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	788.13	275.03
11 30 33 00-0041	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	810.29	275.03
11 30 33 00-0042	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	794.30	275.03
11 30 33 00-0043	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	816.45	275.03
11 30 33 00-0044	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	939.78	275.03

11 30 33 00-0045 300 Lb. Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0046	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	737.91	275.03
11 30 33 00-0047	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	757.85	275.03

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen *(11 32 13)*

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,741.08	663.85
		For Gas Unit, Add	*278.39*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,295.78	464.70
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,091.11	398.31
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	700.07	412.41
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,363.72	274.94
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	82.12	18.65
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	74.15	18.65

11 32 13 00-0009 42" Compact Kitchen *(11 32 13)*

11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,176.87	730.23
		For Gas Unit, Add	*330.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,844.20	597.46
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	874.91	233.70
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,577.48	309.31
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	98.24	18.65
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	82.56	18.65
11 32 13 00-0016		54" Compact Kitchen *(11 32 13)*		
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,279.95	929.38
		For Gas Unit, Add	*456.11*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	1,077.25	137.47
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,754.10	343.67
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	114.10	18.65
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	86.09	18.65
11 32 13 00-0022		60" Compact Kitchen *(11 32 13)*		
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,508.60	995.77
		For Gas Unit, Add	*477.14*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,286.65	343.67
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	120.82	18.65
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	86.09	18.65
11 32 13 00-0027		72" Compact Kitchen *(11 32 13)*		
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,833.15	1,062.16
		For Gas Unit, Add	*512.54*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,567.94	412.41
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	140.74	23.32
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	90.32	23.32

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001		Frozen Food Cases *(11 41 13)*		
11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,521.76	398.45
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,840.18	398.45
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,751.26	398.45
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,729.12	398.45
11 41 13 00-0006		Reach-In Refrigerators *(11 41 13)*		
11 41 13 00-0007	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	7,003.93	188.33
11 41 13 00-0008	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,624.70	237.53
11 41 13 00-0009	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	11,547.35	262.42
11 41 13 00-0010	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,139.78	188.33
11 41 13 00-0011	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,989.21	237.53
11 41 13 00-0012	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,635.26	262.42
11 41 13 00-0013	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,430.16	188.33
11 41 13 00-0014	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	11,411.23	237.53
11 41 13 00-0015	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	8,346.94	188.33
11 41 13 00-0016	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	12,033.09	237.53
11 41 13 00-0017		Reach-In Freezers *(11 41 13)*		
11 41 13 00-0018	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	7,888.25	188.55
11 41 13 00-0019	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	10,465.56	237.19

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,831.99	1,660.56
		For Refrigerated Boxes Without Floor, Deduct	*-4,404.38*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,782.50	1,868.13
		For Refrigerated Boxes Without Floor, Deduct	*-5,322.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,116.26	2,075.70
		For Refrigerated Boxes Without Floor, Deduct	*-5,587.16*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,300.98	2,490.84
		For Refrigerated Boxes Without Floor, Deduct	*-6,245.41*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,623.29	2,905.98
		For Refrigerated Boxes Without Floor, Deduct	*-7,187.68*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,983.53	3,321.12
		For Refrigerated Boxes Without Floor, Deduct	*-7,888.65*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,279.99	3,736.27
		For Refrigerated Boxes Without Floor, Deduct	*-8,574.58*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,195.40	2,075.70
		For Refrigerated Boxes Without Floor, Deduct	*-5,856.95*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,661.27	2,283.28
		For Refrigerated Boxes Without Floor, Deduct	*-6,404.43*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,204.62	2,698.42
		For Refrigerated Boxes Without Floor, Deduct	*-7,151.29*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,975.00	3,113.55
		For Refrigerated Boxes Without Floor, Deduct	*-8,205.90*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,583.89	3,528.69
		For Refrigerated Boxes Without Floor, Deduct	*-8,970.16*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,317.31	3,943.83
		For Refrigerated Boxes Without Floor, Deduct	*-9,764.48*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,923.82	4,358.97
		For Refrigerated Boxes Without Floor, Deduct	*-10,528.74*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,643.62	4,774.12
		For Refrigerated Boxes Without Floor, Deduct	*-11,319.11*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,268.29	5,189.26
		For Refrigerated Boxes Without Floor, Deduct	*-12,087.32*	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,560.58	2,490.84
		For Refrigerated Boxes Without Floor, Deduct	*-7,310.31*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,461.99	2,905.98
		For Refrigerated Boxes Without Floor, Deduct	*-8,147.35*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,546.93	3,321.12
		For Refrigerated Boxes Without Floor, Deduct	*-9,029.50*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,387.72	3,736.27
		For Refrigerated Boxes Without Floor, Deduct	*-9,851.51*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,540.85	4,151.41
		For Refrigerated Boxes Without Floor, Deduct	*-10,752.64*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,375.85	4,566.55
		For Refrigerated Boxes Without Floor, Deduct	*-11,570.70*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,545.00	4,981.68
		For Refrigerated Boxes Without Floor, Deduct	*-12,476.57*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,366.02	5,396.82
		For Refrigerated Boxes Without Floor, Deduct	*-13,293.84*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,525.04	5,811.97
		For Refrigerated Boxes Without Floor, Deduct	*-14,194.97*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,370.75	6,227.11
		For Refrigerated Boxes Without Floor, Deduct	*-15,016.99*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,806.28	6,849.82
		For Refrigerated Boxes Without Floor, Deduct	*-15,918.91*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,892.15	7,472.53
		For Refrigerated Boxes Without Floor, Deduct	*-16,736.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,345.34	3,113.55
		For Refrigerated Boxes Without Floor, Deduct	*-9,048.48*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,903.62	3,528.69
		For Refrigerated Boxes Without Floor, Deduct	*-10,050.09*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,064.26	3,943.83
		For Refrigerated Boxes Without Floor, Deduct	*-10,951.22*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,601.18	4,358.97
		For Refrigerated Boxes Without Floor, Deduct	*-11,948.08*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,783.01	4,774.12
		For Refrigerated Boxes Without Floor, Deduct	*-12,853.96*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,319.10	5,189.26
		For Refrigerated Boxes Without Floor, Deduct	*-13,850.03*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,471.17	5,604.40
		For Refrigerated Boxes Without Floor, Deduct	*-14,751.16*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,035.67	6,019.54
		For Refrigerated Boxes Without Floor, Deduct	*-15,752.76*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,337.01	6,538.47
		For Refrigerated Boxes Without Floor, Deduct	*-16,653.89*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,153.79	7,161.17
		For Refrigerated Boxes Without Floor, Deduct	*-17,650.75*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,605.03	7,783.88
		For Refrigerated Boxes Without Floor, Deduct	*-18,556.63*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,410.62	8,406.60
		For Refrigerated Boxes Without Floor, Deduct	*-19,552.70*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,836.76	9,029.31
		For Refrigerated Boxes Without Floor, Deduct	*-20,453.83*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,476.55	3,736.27
		For Refrigerated Boxes Without Floor, Deduct	*-12,123.72*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	58,598.06	4,151.41
		For Refrigerated Boxes Without Floor, Deduct	*-13,266.94*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,160.95	4,566.55
		For Refrigerated Boxes Without Floor, Deduct	*-14,516.97*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,282.66	4,981.68
		For Refrigerated Boxes Without Floor, Deduct	*-15,660.99*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,815.75	5,396.82
		For Refrigerated Boxes Without Floor, Deduct	*-16,906.27*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,965.30	5,811.97
		For Refrigerated Boxes Without Floor, Deduct	*-18,055.04*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,504.08	6,227.11
		For Refrigerated Boxes Without Floor, Deduct	*-19,300.32*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,907.99	6,849.82
		For Refrigerated Boxes Without Floor, Deduct	*-20,444.33*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,724.92	7,472.53
		For Refrigerated Boxes Without Floor, Deduct	*-21,694.37*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,161.30	8,095.24
		For Refrigerated Boxes Without Floor, Deduct	*-22,837.59*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,952.39	8,717.95
		For Refrigerated Boxes Without Floor, Deduct	*-24,083.66*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,380.76	9,236.87
		For Refrigerated Boxes Without Floor, Deduct	*-25,231.64*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,237.52	4,358.97
		For Refrigerated Boxes Without Floor, Deduct	*-14,607.17*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,204.21	4,774.12
		For Refrigerated Boxes Without Floor, Deduct	*-15,959.26*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,968.17	5,189.26
		For Refrigerated Boxes Without Floor, Deduct	*-17,262.29*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,943.07	5,604.40
		For Refrigerated Boxes Without Floor, Deduct	*-18,619.13*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,713.29	6,019.54
		For Refrigerated Boxes Without Floor, Deduct	*-19,922.17*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,818.48	6,538.47
		For Refrigerated Boxes Without Floor, Deduct	*-21,274.26*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,878.96	7,161.17
		For Refrigerated Boxes Without Floor, Deduct	*-22,582.05*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,115.06	7,783.88
		For Refrigerated Boxes Without Floor, Deduct	*-23,934.14*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	112,148.52	8,406.60
		For Refrigerated Boxes Without Floor, Deduct	*-25,237.17*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	118,397.49	9,029.31
		For Refrigerated Boxes Without Floor, Deduct	*-26,594.01*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,276.48	4,981.68
		For Refrigerated Boxes Without Floor, Deduct	*-17,159.44*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,410.84	5,396.82
		For Refrigerated Boxes Without Floor, Deduct	*-18,555.05*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,886.38	5,811.97
		For Refrigerated Boxes Without Floor, Deduct	*-20,035.31*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	94,010.62	6,227.11
		For Refrigerated Boxes Without Floor, Deduct	*-21,426.95*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,775.32	6,849.82
		For Refrigerated Boxes Without Floor, Deduct	*-22,911.17*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,158.72	7,472.53
		For Refrigerated Boxes Without Floor, Deduct	*-24,302.82*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,943.24	8,095.24
		For Refrigerated Boxes Without Floor, Deduct	*-25,783.07*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	120,332.45	8,717.95
		For Refrigerated Boxes Without Floor, Deduct	*-27,178.68*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	127,089.96	9,340.67
		For Refrigerated Boxes Without Floor, Deduct	*-28,658.94*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	133,739.52	10,101.75
		For Refrigerated Boxes Without Floor, Deduct	*-30,050.58*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,977.59	1,660.56
		For Refrigerated Boxes Without Floor, Deduct	*-4,690.78*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,225.55	1,868.13
		For Refrigerated Boxes Without Floor, Deduct	*-5,433.68*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,571.99	2,075.70
		For Refrigerated Boxes Without Floor, Deduct	*-5,951.10*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,971.91	2,490.84
		For Refrigerated Boxes Without Floor, Deduct	*-6,663.14*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,389.16	2,905.98
		For Refrigerated Boxes Without Floor, Deduct	*-7,629.15*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,964.59	3,321.12
		For Refrigerated Boxes Without Floor, Deduct	*-8,383.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,355.99	3,736.27
		For Refrigerated Boxes Without Floor, Deduct	*-9,093.58*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,771.39	2,075.70
		For Refrigerated Boxes Without Floor, Deduct	*-6,250.95*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,332.20	2,283.28
		For Refrigerated Boxes Without Floor, Deduct	*-6,822.16*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,090.74	2,698.42
		For Refrigerated Boxes Without Floor, Deduct	*-7,622.82*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,956.07	3,113.55
		For Refrigerated Boxes Without Floor, Deduct	*-8,701.17*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,780.15	3,528.69
		For Refrigerated Boxes Without Floor, Deduct	*-9,519.22*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,608.50	3,943.83
		For Refrigerated Boxes Without Floor, Deduct	*-10,337.28*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,430.21	4,358.97
		For Refrigerated Boxes Without Floor, Deduct	*-11,155.34*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,244.95	4,774.12
		For Refrigerated Boxes Without Floor, Deduct	*-11,969.44*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	58,084.82	5,189.26
		For Refrigerated Boxes Without Floor, Deduct	*-12,791.46*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,326.44	2,490.84
		For Refrigerated Boxes Without Floor, Deduct	*-7,751.77*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,443.05	2,905.98
		For Refrigerated Boxes Without Floor, Deduct	*-8,642.62*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,622.93	3,321.12
		For Refrigerated Boxes Without Floor, Deduct	*-9,548.50*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,678.91	3,736.27
		For Refrigerated Boxes Without Floor, Deduct	*-10,424.31*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,926.99	4,151.41
		For Refrigerated Boxes Without Floor, Deduct	*-11,349.17*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,977.18	4,566.55
		For Refrigerated Boxes Without Floor, Deduct	*-12,221.03*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,241.27	4,981.68
		For Refrigerated Boxes Without Floor, Deduct	*-13,150.64*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,277.49	5,396.82
		For Refrigerated Boxes Without Floor, Deduct	*-14,021.71*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,531.44	5,811.97
		For Refrigerated Boxes Without Floor, Deduct	*-14,946.57*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,592.35	6,227.11
		For Refrigerated Boxes Without Floor, Deduct	*-15,822.39*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,122.82	6,849.82
		For Refrigerated Boxes Without Floor, Deduct	*-16,748.04*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,423.88	7,368.74
		For Refrigerated Boxes Without Floor, Deduct	*-17,619.11*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,541.60	3,113.55
		For Refrigerated Boxes Without Floor, Deduct	*-9,597.55*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,194.81	3,528.69
		For Refrigerated Boxes Without Floor, Deduct	*-10,622.89*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,570.65	3,943.83
		For Refrigerated Boxes Without Floor, Deduct	*-11,577.82*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,202.51	4,358.97
		For Refrigerated Boxes Without Floor, Deduct	*-12,598.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,599.54	4,774.12
		For Refrigerated Boxes Without Floor, Deduct	*-13,558.09*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,230.56	5,189.26
		For Refrigerated Boxes Without Floor, Deduct	*-14,577.89*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,597.83	5,604.40
		For Refrigerated Boxes Without Floor, Deduct	*-15,532.82*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,257.27	6,019.54
		For Refrigerated Boxes Without Floor, Deduct	*-16,558.16*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,773.80	6,538.47
		For Refrigerated Boxes Without Floor, Deduct	*-17,513.09*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,685.52	7,161.17
		For Refrigerated Boxes Without Floor, Deduct	*-18,533.69*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,351.96	7,783.88
		For Refrigerated Boxes Without Floor, Deduct	*-19,493.36*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,252.49	8,406.60
		For Refrigerated Boxes Without Floor, Deduct	*-20,513.17*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,893.82	9,029.31
		For Refrigerated Boxes Without Floor, Deduct	*-21,468.09*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,862.68	3,736.27
		For Refrigerated Boxes Without Floor, Deduct	*-12,720.25*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,199.39	4,151.41
		For Refrigerated Boxes Without Floor, Deduct	*-13,917.27*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,857.22	4,566.55
		For Refrigerated Boxes Without Floor, Deduct	*-15,191.04*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,194.12	4,981.68
		For Refrigerated Boxes Without Floor, Deduct	*-16,388.85*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,822.15	5,396.82
		For Refrigerated Boxes Without Floor, Deduct	*-17,657.87*	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,186.89	5,811.97
		For Refrigerated Boxes Without Floor, Deduct	*-18,860.43*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,820.62	6,227.11
		For Refrigerated Boxes Without Floor, Deduct	*-20,129.45*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	94,439.73	6,849.82
		For Refrigerated Boxes Without Floor, Deduct	*-21,327.27*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,351.59	7,472.53
		For Refrigerated Boxes Without Floor, Deduct	*-22,601.03*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,003.17	8,095.24
		For Refrigerated Boxes Without Floor, Deduct	*-23,798.06*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,889.20	8,717.95
		For Refrigerated Boxes Without Floor, Deduct	*-25,067.87*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	117,532.76	9,340.67
		For Refrigerated Boxes Without Floor, Deduct	*-26,269.64*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,054.04	4,358.97
		For Refrigerated Boxes Without Floor, Deduct	*-15,311.30*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,115.67	4,774.12
		For Refrigerated Boxes Without Floor, Deduct	*-16,687.12*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,094.83	5,189.26
		For Refrigerated Boxes Without Floor, Deduct	*-18,043.96*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,164.67	5,604.40
		For Refrigerated Boxes Without Floor, Deduct	*-19,424.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	91,150.09	6,019.54
		For Refrigerated Boxes Without Floor, Deduct	*-20,781.37*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,350.21	6,538.47
		For Refrigerated Boxes Without Floor, Deduct	*-22,157.19*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	103,625.88	7,161.17
		For Refrigerated Boxes Without Floor, Deduct	*-23,518.78*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	109,956.92	7,783.88
		For Refrigerated Boxes Without Floor, Deduct	*-24,894.60*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	116,205.58	8,406.60
		For Refrigerated Boxes Without Floor, Deduct	*-26,251.44*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	122,549.49	9,029.31
		For Refrigerated Boxes Without Floor, Deduct	*-27,632.01*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,282.88	4,981.68
		For Refrigerated Boxes Without Floor, Deduct	*-17,911.04*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,632.44	5,396.82
		For Refrigerated Boxes Without Floor, Deduct	*-19,360.45*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	91,202.91	5,811.97
		For Refrigerated Boxes Without Floor, Deduct	*-20,864.44*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,542.35	6,227.11
		For Refrigerated Boxes Without Floor, Deduct	*-22,309.89*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	104,402.00	6,849.82
		For Refrigerated Boxes Without Floor, Deduct	*-23,817.84*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,000.58	7,472.53
		For Refrigerated Boxes Without Floor, Deduct	*-25,263.28*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	117,880.05	8,095.24
		For Refrigerated Boxes Without Floor, Deduct	*-26,767.28*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	124,484.45	8,717.95
		For Refrigerated Boxes Without Floor, Deduct	*-28,216.68*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	131,336.90	9,340.67
		For Refrigerated Boxes Without Floor, Deduct	*-29,720.67*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	138,201.66	10,101.75
		For Refrigerated Boxes Without Floor, Deduct	*-31,166.12*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.34
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.49
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.50
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	24.68
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.28
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	3.98
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	9.79
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.66
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.29
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-17.87
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.45
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.32
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	16.94
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	54.91

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,666.61	183.37
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,976.93	213.94
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,887.62	244.49
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,424.46	275.06
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,178.02	305.62
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,182.34	366.74
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,501.95	427.87
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,400.02	488.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0182		208/230 Volt, 3 Phase *(11 41 23 00-0172)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,897.53	244.49
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,424.46	275.06
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,267.23	305.62
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,076.15	366.74
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,501.95	427.87
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,276.83	488.99
11 41 23 00-0189		Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190		208/230 Volt, 1 Phase *(11 41 23 00-0189)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,868.06	183.37
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,359.99	213.94
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,181.20	244.49
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,440.95	275.06
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,913.97	305.62
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,875.48	366.74
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,525.90	427.87
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,263.03	488.99
11 41 23 00-0199		208/230 Volt, 3 Phase *(11 41 23 00-0189)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,139.91	244.49
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,457.69	275.06
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,001.03	305.62
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,792.89	366.74
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,551.57	427.87
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,160.34	488.99
11 41 23 00-0206		Low Temperature Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207		208/230 Volt, 1 Phase *(11 41 23 00-0206)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,446.80	183.37
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,676.40	213.94
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,986.74	244.49
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,455.61	275.06
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,108.64	305.62
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,571.73	366.74
11 41 23 00-0214		208/230 Volt, 3 Phase *(11 41 23 00-0206)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,996.65	244.49
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,455.61	275.06
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,200.68	305.62
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,469.78	366.74
11 41 23 00-0219		Low Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		208/230 Volt, 1 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,733.05	183.37
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,819.84	213.94
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,135.44	244.49
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,650.78	275.06
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,256.62	305.62
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,169.02	366.74
11 41 23 00-0227		208/230 Volt, 3 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,337.46	244.49
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,750.12	275.06
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,336.98	305.62
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,087.54	366.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0232		**Medium Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		**208/230 Volt, 1 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,316.65	244.49
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,781.29	488.99
11 41 23 00-0236		**208/230 Volt, 3 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,322.32	244.49
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,143.35	305.62
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,669.80	366.74
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,550.49	488.99
11 41 23 00-0241		**Medium Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		**208/230 Volt, 1 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,433.45	244.49
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	15,864.79	488.99
11 41 23 00-0245		**208/230 Volt, 3 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,444.61	244.49
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,609.31	305.62
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,945.93	366.74
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,336.82	488.99
11 41 23 00-0250		**Low Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		**208/230 Volt, 1 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,499.06	213.94
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,004.80	244.49
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,398.28	275.06
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,893.80	305.62
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,781.32	366.74
11 41 23 00-0257		**208/230 Volt, 3 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,459.42	213.94
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,999.14	244.49
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,344.47	275.06
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,800.34	305.62
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,284.32	366.74
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,610.31	427.87
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	19,586.65	550.12
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	28,296.88	641.80
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,607.82	213.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,929.00	244.49
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,061.56	275.06
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,261.17	305.62
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,599.97	366.74
11 41 23 00-0273		208/230 Volt, 3 Phase *(11 41 23 00-0266)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,509.60	213.94
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,933.47	244.49
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,044.82	275.06
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,178.58	305.62
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,246.16	366.74
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,386.65	427.87
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	17,306.20	550.12
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	24,340.39	641.80
11 41 23 00-0282		Walk-In Refrigerated Boxes Accessories *(11 41 23)*		
11 41 23 00-0283		Accessories *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	1,507.59	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,105.71	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,105.71	
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	2,486.11	
11 41 23 00-0288	EA	Heated Air Vent, Kason	824.67	
11 41 23 00-0289	EA	Heated Air Vent, Polyvinyl Chloride (PVC), Bally	2,106.35	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	3,144.78	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	3,445.42	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	3,793.53	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	1,227.01	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	2,315.65	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	2,315.65	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	239.86	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	1,369.63	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,110.18	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,271.58	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,527.87	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	834.81	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	961.40	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	961.40	
11 41 23 00-0304	EA	Locking Devices, Cooler, Mortise Dead Bolt	1,758.88	
11 41 23 00-0305	EA	Locking Devices, Freezer, Mortise Dead Bolt	2,176.62	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	3,537.20	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	3,739.73	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	3,847.33	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	174.05	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	142.41	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	439.88	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	237.35	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	540.93	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	389.03	
11 41 23 00-0315	EA	4" Screed Door	957.59	
11 41 23 00-0316	EA	Doors Cut For Tile	1,185.44	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	1,185.44	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,859.53	
11 41 23 00-0319	EA	57-1/2" Door Section	713.91	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	660.76	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	333.84	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	623.00	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	800.22	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	83.17	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	109.27	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	160.70	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	259.60	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	44.58	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	11.56	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	55.38	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	21.66	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	85.45	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	111.44	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	40.77	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	17.41	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	50.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	99.67	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	121.13	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	678.78	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	606.00	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	2,033.25	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	188.26	
11 41 23 00-0343	LF	Extra Capillary Tubing	26.88	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,341.09	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*360.14*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,999.92	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*392.73*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,228.36	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*403.81*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,899.86	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*437.04*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,710.57	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*427.23*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,366.23	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*459.66*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,563.03	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.16*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,497.19	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*515.52*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,080.06	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*494.32*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,738.88	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*526.91*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,983.15	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*538.78*	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,645.15	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*571.53*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	13,430.96	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*660.48*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,018.32	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*394.00*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,575.89	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*421.53*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,845.46	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*434.66*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,589.75	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*471.53*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,362.49	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*459.82*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,103.59	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*496.53*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,376.34	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*509.82*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,117.46	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*546.53*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,890.21	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*534.82*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,631.31	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*571.53*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,904.06	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,645.18	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*621.53*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,417.90	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*609.83*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	3,142.48	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	3,433.63	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	3,462.11	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	3,829.21	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,202.64	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,468.46	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,484.29	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,218.48	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,272.26	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,291.27	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	5,648.87	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	5,769.13	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,506.49	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	7,221.70	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,354.61	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	7,845.13	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,373.50	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,553.89	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,778.60	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	4,098.20	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,550.75	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	4,762.78	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,778.60	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	5,690.01	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,078.49	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,136.05	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,269.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,339.76	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,454.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,249.98	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,279.04	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,415.71	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,479.59	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,692.81	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,364.49	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,377.74	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,577.70	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,584.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,829.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	913.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	958.83	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,054.35	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,073.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,227.01	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,009.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,082.83	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,146.72	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,159.97	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,373.18	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,111.32	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,153.05	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,239.08	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,283.98	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,503.51	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,515.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,807.16	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,863.09	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,919.04	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,531.00	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,640.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,804.26	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,105.34	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,229.92	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,949.74	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,853.29	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,115.14	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,416.22	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,540.81	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,495.94	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,270.14	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,372.00	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,489.68	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,597.87	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,731.96	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,514.41	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,549.81	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,714.96	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,797.82	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,058.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,654.24	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,705.47	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,892.76	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,931.34	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,223.65	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,070.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,125.16	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,242.84	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,265.58	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,453.48	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,216.93	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,302.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,493.43	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,475.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,653.44	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,340.94	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,392.17	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,500.34	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,551.58	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,824.91	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,071.02	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,433.38	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,501.58	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,569.79	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,331.28	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,225.02	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,428.04	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,802.66	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,956.65	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,852.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,489.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,814.92	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,189.53	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,343.53	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	5,534.00	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,577.22	107.36
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,400.58	141.73
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	3,903.12	162.48
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	2,497.92	103.66

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	239.09	8.32

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	697.66	25.38
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	808.48	28.68
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	961.19	34.36
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	522.73	18.76

11 41 31 00-0013 Tray And Silverware Cart *(11 41 31)*

11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	2,412.78	85.64

11 41 31 00-0015 Flat Top Utility Units *(11 41 31)*

11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,645.07	58.54
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,204.47	78.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 41 33 Foodservice Shelving *(11 41)*

11 41 33 00-0001 Shelving/Racks *(11 41 33)*

11 41 33 00-0002 Chrome Shelving Units *(11 41 33 00-0001)*

11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	332.92	37.57
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	351.07	37.88
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	373.57	38.19
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	387.49	38.51
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	414.22	38.82
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	436.81	39.13
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	454.97	39.44
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	495.61	40.05
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	363.98	37.88
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	377.88	38.19
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	391.82	38.51
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	431.54	38.82
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	458.36	39.13
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	493.76	39.44
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	507.57	39.75
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	556.97	40.36
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	382.22	38.19
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	413.29	38.51
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	435.88	38.82
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	462.60	39.13
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	480.85	39.44
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	524.90	39.75
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	547.38	40.05
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	605.35	40.67
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	422.04	38.51
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	440.21	38.82
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	454.03	39.13
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	489.51	39.44
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	511.99	39.75
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	556.04	40.05
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	587.10	40.36
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	662.38	40.98
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	560.99	38.82
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	630.82	39.13
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	674.97	39.44
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	775.12	39.75
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	620.72	40.05
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	686.41	40.36
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	769.19	40.67
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	903.22	41.29

11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	337.17	37.57
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	355.32	37.88
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	377.80	38.19
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	391.73	38.51
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	418.46	38.82
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	441.03	39.13
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	459.21	39.44
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	499.83	40.05
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	368.20	37.88
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	382.13	38.19
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	396.07	38.51
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	435.77	38.82
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	462.60	39.13
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	497.98	39.44
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	511.81	39.75
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	519.29	40.36
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	386.46	38.19
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	417.53	38.51
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	440.10	38.82
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	466.83	39.13
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	485.09	39.44
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	529.12	39.75
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	551.62	40.05
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	609.59	40.67
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	426.28	38.51
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	444.43	38.82
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	458.27	39.13
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	493.76	39.44
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	516.23	39.75
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	560.26	40.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	591.32	40.36
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	666.62	40.98
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	565.21	38.82
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	635.06	39.13
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	679.19	39.44
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	779.34	39.75
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	624.94	40.05
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	690.64	40.36
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	773.47	40.67
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	907.45	41.29
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	339.38	37.57
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	357.53	37.88
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	380.01	38.19
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	393.94	38.51
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	420.67	38.82
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	443.24	39.13
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	461.42	39.44
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	502.04	40.05
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	370.43	37.88
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	384.34	38.19
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	398.28	38.51
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	438.00	38.82
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	464.81	39.13
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	500.19	39.44
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	514.02	39.75
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	563.43	40.36
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	388.67	38.19
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	419.74	38.51
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	442.31	38.82
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	469.04	39.13
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	487.30	39.44
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	531.33	39.75
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	553.83	40.05
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	611.80	40.67
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	428.49	38.51
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	446.64	38.82
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	460.48	39.13
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	495.97	39.44
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	518.44	39.75
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	562.50	40.05
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	593.53	40.36
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	668.83	40.98
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	567.42	38.82
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	637.27	39.13
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	681.42	39.44
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	781.55	39.75
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	627.15	40.05
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	692.85	40.36
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	775.66	40.67
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	909.66	41.29
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	345.81	37.57
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	363.98	37.88
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	386.46	38.19
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	400.40	38.51
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	427.12	38.82
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	449.69	39.13
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	467.88	39.44
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	508.50	40.05
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	376.87	37.88
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	390.79	38.19
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	404.73	38.51
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	444.43	38.82
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	471.25	39.13
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	506.65	39.44
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	520.48	39.75
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	569.86	40.36
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	395.13	38.19
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	426.19	38.51
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	448.76	38.82
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	475.49	39.13
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	493.76	39.44
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	537.78	39.75
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	560.26	40.05
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	618.26	40.67
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	434.95	38.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	453.10	38.82
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	466.94	39.13
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	502.40	39.44
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	524.90	39.75
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	568.93	40.05
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	599.99	40.36
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	675.29	40.98
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	573.87	38.82
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	643.73	39.13
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	687.86	39.44
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	788.00	39.75
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	633.61	40.05
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	699.30	40.36
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	782.14	40.67
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	916.11	41.29
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	363.05	37.57
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	381.20	37.88
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	403.68	38.19
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	417.62	38.51
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	444.34	38.82
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	466.94	39.13
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	485.09	39.44
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	525.74	40.05
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	394.11	37.88
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	408.01	38.19
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	421.95	38.51
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	461.67	38.82
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	488.49	39.13
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	523.89	39.44
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	537.70	39.75
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	587.10	40.36
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	412.35	38.19
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	443.41	38.51
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	466.01	38.82
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	492.71	39.13
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	510.98	39.44
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	555.02	39.75
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	577.51	40.05
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	635.48	40.67
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	452.17	38.51
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	470.32	38.82
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	484.15	39.13
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	519.64	39.44
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	542.12	39.75
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	586.17	40.05
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	617.21	40.36
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	692.51	40.98
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	591.09	38.82
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	660.95	39.13
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	705.10	39.44
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	805.22	39.75
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	650.83	40.05
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	716.52	40.36
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	799.38	40.67
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	933.33	41.29
11 41 33 00-0208		**96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	426.68	37.57
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	449.14	37.88
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	477.02	38.19
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	494.20	38.51
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	527.38	38.82
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	555.37	39.13
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	577.84	39.44
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	628.18	40.05
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	465.26	37.88
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	482.43	38.19
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	499.60	38.51
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	549.02	38.82
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	582.31	39.13
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	626.33	39.44
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	643.35	39.75
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	704.64	40.36
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	487.85	38.19
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	526.45	38.51
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	554.44	38.82
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	587.60	39.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	610.20	39.44
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	665.02	39.75
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	692.90	40.05
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	764.90	40.67
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	537.39	38.51
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	559.85	38.82
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	576.90	39.13
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	621.04	39.44
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	648.89	39.75
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	703.71	40.05
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	742.30	40.36
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	835.95	40.98
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	710.82	38.82
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	797.89	39.13
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	852.83	39.44
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	977.79	39.75
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	784.56	40.05
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	866.44	40.36
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	969.76	40.67
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,136.75	41.29
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	369.25	37.57
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	388.14	37.88
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	411.61	38.19
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	430.50	38.51
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	458.47	38.82
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	481.83	39.13
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	505.31	39.44
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	543.07	40.05
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	401.61	37.88
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	416.10	38.19
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	443.98	38.51
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	476.42	38.82
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	504.37	39.13
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	541.22	39.44
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	569.18	39.75
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	611.60	40.36
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	420.58	38.19
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	457.54	38.51
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	480.90	38.82
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	508.87	39.13
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	527.77	39.44
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	578.16	39.75
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	601.63	40.05
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	670.92	40.67
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	466.52	38.51
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	485.40	38.82
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	499.89	39.13
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	536.74	39.44
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	578.16	39.75
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	624.06	40.05
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	661.01	40.36
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	743.86	40.98
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	378.23	37.57
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	397.11	37.88
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	420.58	38.19
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	439.48	38.51
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	467.45	38.82
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	490.81	39.13
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	514.29	39.44
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	552.05	40.05
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	410.59	37.88
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	425.08	38.19
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	452.95	38.51
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	485.40	38.82
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	513.35	39.13
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	550.20	39.44
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	578.16	39.75
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	620.51	40.36
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	429.56	38.19
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	466.52	38.51
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	489.88	38.82
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	517.85	39.13
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	536.74	39.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	587.13	39.75
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	610.60	40.05
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	679.90	40.67
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	475.49	38.51
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	494.38	38.82
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	508.87	39.13
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	545.72	39.44
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	587.13	39.75
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	633.04	40.05
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	669.98	40.36
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	752.84	40.98
11 41 33 00-0316		**74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	387.21	37.57
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	406.09	37.88
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	429.56	38.19
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	448.45	38.51
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	476.42	38.82
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	499.79	39.13
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	523.27	39.44
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	561.03	40.05
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	419.57	37.88
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	434.06	38.19
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	461.93	38.51
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	494.38	38.82
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	522.33	39.13
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	559.18	39.44
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	587.13	39.75
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	629.49	40.36
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	438.54	38.19
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	475.49	38.51
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	498.86	38.82
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	526.83	39.13
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	545.72	39.44
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	596.11	39.75
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	619.58	40.05
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	688.88	40.67
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	484.47	38.51
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	503.36	38.82
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	517.85	39.13
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	554.70	39.44
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	596.11	39.75
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	642.01	40.05
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	678.96	40.36
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	761.82	40.98
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	409.75	37.57
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	428.63	37.88
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	452.10	38.19
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	470.99	38.51
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	498.96	38.82
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	522.33	39.13
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	545.81	39.44
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	583.57	40.05
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	442.11	37.88
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	456.60	38.19
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	484.47	38.51
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	516.92	38.82
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	544.87	39.13
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	581.72	39.44
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	609.67	39.75
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	652.03	40.36
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	461.08	38.19
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	498.03	38.51
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	521.40	38.82
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	549.37	39.13
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	568.26	39.44
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	618.65	39.75
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	642.12	40.05
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	711.42	40.67
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	507.01	38.51
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	525.90	38.82
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	540.39	39.13
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	577.24	39.44
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	618.65	39.75
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	664.55	40.05
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	701.50	40.36
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	784.36	40.98

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	700.40	38.51
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	769.77	39.13
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	861.60	39.75
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	917.43	40.36
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	765.21	39.13
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	884.05	39.75
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	975.88	40.36
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,112.68	40.98
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	709.38	38.51
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	778.77	39.13
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	870.57	39.75
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	926.40	40.36
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	774.18	39.13
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	893.03	39.75
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	984.85	40.36
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,121.66	40.98
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	718.35	38.51
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	787.75	39.13
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	879.57	39.75
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	935.38	40.36
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	783.16	39.13
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	902.00	39.75
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	993.83	40.36
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,130.66	40.98
11 41 33 00-0409		**86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	740.89	38.51
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	810.26	39.13
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	902.09	39.75
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	957.92	40.36
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	805.70	39.13
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	924.54	39.75
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,016.37	40.36
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,153.18	40.98
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	772.31	38.51
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	898.14	39.13
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,057.11	39.75
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,223.60	40.36
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	908.67	39.13
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,052.97	39.75
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,242.08	40.36
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,491.82	40.98
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	798.69	38.51
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	924.52	39.13
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,087.24	39.75
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,249.97	40.36
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	935.05	39.13
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,079.34	39.75
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,268.44	40.36
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,518.20	40.98
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	825.06	38.51
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	950.89	39.13
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,113.61	39.75
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,276.34	40.36
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	961.41	39.13
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,105.72	39.75
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,294.82	40.36
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,544.57	40.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,478.66	38.51
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,635.55	39.13
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,843.89	39.75
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,969.64	40.36
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,772.85	39.13
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,089.60	39.75
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,320.57	40.36
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,666.07	40.98
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,523.63	38.51
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,683.25	39.13
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,895.28	39.75
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,023.16	40.36
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,817.84	39.13
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,134.57	39.75
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,368.08	40.36
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,717.46	40.98
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,568.63	38.51
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,727.37	39.13
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,938.29	39.75
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,065.57	40.36
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,862.82	39.13
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,179.57	39.75
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,411.62	40.36
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,758.75	40.98
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	273.43	27.69
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	288.26	28.46
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	305.17	29.24
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	336.67	30.00
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	363.98	30.77
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	294.26	27.69
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	321.59	28.46
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	338.50	29.24
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	367.91	30.00
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	401.47	30.77
11 41 33 00-0484		**Stainless Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	739.25	29.24
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	927.62	30.00
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,569.95	30.77
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	808.90	29.24
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,008.27	30.00
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,712.28	30.77
11 41 33 00-0491		**Mobile Racks** *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	2,045.58	46.62
11 41 33 00-0493		**Can Racks** *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	4,170.13	46.62

11 42 Food Preparation Equipment *(11 40)*

11 42 13 Food Preparation Appliances *(11 42)*

11 42 13 00-0001		**Vertical Cutter Mixers** *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	12,040.22	254.49
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	13,915.58	282.77
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	17,288.27	407.20
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	19,322.30	508.99
11 42 13 00-0006		**Choppers** *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 Lb.	3,055.83	226.22
11 42 13 00-0008	EA	Choppers, 16 Lb.	4,480.71	294.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0009	EA	Choppers, 35 LB - 40 Lb./Min, 2 HP	7,154.86	321.57
11 42 13 00-0010	EA	Choppers, 35 LB - 40 Lb./Min, 3 HP	8,110.11	321.57
11 42 13 00-0011		**Stand Model Mixer** *(11 42 13)*		
11 42 13 00-0012	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,405.40	109.61
11 42 13 00-0013	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,744.80	109.61
11 42 13 00-0014	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,582.13	109.61
11 42 13 00-0015	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,648.95	107.45
11 42 13 00-0016		**Floor Model Mixer** *(11 42 13)*		
11 42 13 00-0017	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,611.46	109.61
11 42 13 00-0018	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	4,993.43	121.81
11 42 13 00-0019	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,587.49	137.02
11 42 13 00-0020	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	18,341.85	107.45
11 42 13 00-0021	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,518.98	110.29
11 42 13 00-0022	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	28,680.67	113.11
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	42,355.07	141.38
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,254.54	180.98
11 42 13 00-0025		**Slicers** *(11 42 13)*		
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	723.27	34.26
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,049.36	34.26
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,507.71	34.26
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,555.35	34.26
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,817.26	34.26
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	7,047.72	34.26
11 42 13 00-0032		**Peelers** *(11 42 13)*		
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,813.74	183.80
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,405.70	214.34
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,824.34	245.11
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115)	6,086.05	183.80
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,322.91	214.34
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1)	13,125.61	245.11
11 42 13 00-0039		**Proof Boxes** *(11 42 13)*		
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,223.19	85.64
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box	5,393.41	143.52
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box	3,366.67	65.15
11 42 13 00-0043		**Non-Insulated Heated Proof Cabinet** *(11 42 13)*		
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,301.54	82.06
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,468.92	87.74
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,285.92	81.41
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,422.77	86.30
11 42 13 00-0048		**Insulated Heated Proof Cabinet** *(11 42 13)*		
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	3,771.75	157.27
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	3,941.55	164.41
11 42 13 00-0051		**Pass-Thru Hot Food Holding Cabinet** *(11 42 13)*		
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,769.77	237.53
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,266.16	237.53
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,554.39	248.83
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,568.40	248.83
11 42 16		**Food Preparation Surfaces** *(11 42)*		
11 42 16 00-0001		**Tables** *(11 42 16)*		
11 42 16 00-0002		**Baker's Table** *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	911.49	70.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,788.94	137.47
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,207.28	169.63
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,367.47	182.15
11 42 16 00-0007	EA	10' Bins Baker's Table	3,483.17	268.06
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,469.55	420.79
11 42 16 00-0009		**Preparation Table, Stainless Steel, With Under Shelf** *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,187.91	36.97
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Under Shelf	1,281.32	44.40
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf	1,935.04	60.35
11 42 16 00-0013		**Preparation Table, Stainless Steel, With Open Front** *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,250.81	38.90
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,607.65	50.04
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,380.96	43.03
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,662.24	51.82
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	335.80	10.45
11 42 16 00-0019		**Mobile Tables** *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,225.87	33.13
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,747.67	39.73
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,431.39	44.68
11 42 16 00-0023		**Hot Food Tables, Stainless Steel, Gas Or Electric** *(11 42 16 00-0001)*		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,556.42	79.73
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,073.57	64.61
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	172.11	5.36
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	251.81	7.83
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,031.49	134.13
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	10,009.96	267.61
11 42 16 00-0030		**Basic Table** *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	301.48	25.92
11 42 16 00-0032		**Table With Sink** *(11 42 16)*		
11 42 16 00-0033	LF	Table With Sink	388.11	50.98

11 42 23 Food Preparation Scullery Sinks *(11 42)*

11 42 23 00-0001		**Stainless Steel Scullery Sinks** *(11 42 23)*		
		Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	3,031.73	213.94
		For Additional Drain Board, Add	*278.72*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board	4,298.94	244.49
		For Additional Drain Board, Add	*399.33*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	5,703.64	244.49
		For Additional Drain Board, Add	*533.69*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	8,149.87	244.49
		For Additional Drain Board, Add	*766.09*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	5,046.94	244.49
11 42 23 00-0007	EA	96" Wide, Double 24" x 24" x 14" Compartment, 14 Gauge, Stainless Steel Scullery Sink (Elkay WNSF8248)	6,720.08	244.49
		For Additional Drain Board, Add	*641.45*	

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001		**Range** *(11 44 13)*		
11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven	2,875.14	113.11
11 44 13 00-0003	EA	Range With Fry Top	2,875.14	113.11
11 44 13 00-0004	EA	Steel Finish Fry Top	6,130.34	161.09
11 44 13 00-0005	EA	Stainless Top Only Fry Top	6,127.37	159.25
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	7,080.54	185.41
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L)	6,394.44	165.19
		Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.		
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,534.43	93.26

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001		**Bake Oven** *(11 44 16)*		
11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,134.96	477.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,134.96	477.33
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,225.42	477.33
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,225.42	477.33
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,824.30	545.53
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,824.30	545.53
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,698.25	545.53
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,698.25	545.53
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,660.33	681.92
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,660.33	681.92
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,627.14	681.92
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,627.14	681.92

11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens *(11 44 16)*

11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	9,386.83	23.32
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,569.70	23.32
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,386.75	23.32
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	6,689.25	23.32
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	6,962.07	23.32
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	6,962.07	23.32
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	6,962.07	23.32
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	6,962.07	23.32
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	6,962.07	23.32
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	12,953.80	23.32
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	12,009.70	23.32
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	6,414.18	23.32
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	5,242.55	23.32
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	5,701.01	23.32
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	13,633.00	23.32
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,170.45	23.32
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	8,511.79	23.32
11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,132.05	23.32
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,132.05	23.32
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	17,765.97	23.32
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	17,765.97	23.32
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	9,419.66	23.32
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	9,386.83	23.32
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	11,450.49	23.32
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	9,974.35	23.32
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	11,144.85	23.32
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	11,687.08	23.32
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	10,347.91	23.32
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	12,580.23	23.32
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	13,140.58	23.32
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	9,929.07	23.32
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	9,532.86	23.32
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	9,532.86	23.32
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,042.27	23.32
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	10,042.27	23.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	10,912.78	23.32
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,621.25	23.32
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,621.25	23.32
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.53	23.32
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.53	23.32
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	13,705.45	23.32
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	10,302.63	23.32
11 44 16 00-0057		**Combination Ovens** *(11 44 16)*		
		Note: Convection, steam and combination modes.		
11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	25,113.07	197.94
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	41,193.59	226.22
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	34,032.63	226.22
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	82,120.18	282.77
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	62,348.19	282.77
11 44 16 00-0063		**Countertop Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0064	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	234.73	11.66
11 44 16 00-0065	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	378.40	11.66
11 44 16 00-0066	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	445.31	11.66
11 44 16 00-0067	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	572.17	11.66
11 44 16 00-0068	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,037.29	11.66
11 44 16 00-0069	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,206.43	11.66
11 44 16 00-0070	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	209.36	11.66
11 44 16 00-0071	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	344.67	11.66
11 44 16 00-0072	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	977.29	11.66
11 44 16 00-0073	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	889.42	11.66
11 44 16 00-0074	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,207.95	11.66
11 44 16 00-0075	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	1,956.63	11.66
11 44 16 00-0076		**Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0077	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,468.00	46.63
11 44 16 00-0078	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	8,861.79	93.26
11 44 16 00-0079	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	8,861.79	93.26
11 44 16 00-0080	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	8,861.79	93.26
11 44 16 00-0081	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,861.79	93.26
11 44 16 00-0082	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,629.45	93.26
11 44 16 00-0083	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,314.73	46.63
11 44 16 00-0084	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,314.73	46.63
11 44 16 00-0085	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,028.31	46.63
11 44 16 00-0086	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,314.73	46.63
11 44 16 00-0087	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,314.73	46.63
11 44 16 00-0088	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,056.61	93.26
11 44 16 00-0089	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,829.49	46.63
11 44 16 00-0090	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,658.97	93.26

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11 44 16 00-0091	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,629.45	93.26
11 44 16 00-0092	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,509.15	93.26
11 44 16 00-0093		**Natural Gas Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0094	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	5,138.42	46.63
11 44 16 00-0095	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	10,191.24	93.26
11 44 16 00-0096	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	17,588.89	93.26
11 44 16 00-0097	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	16,842.77	93.26
11 44 16 00-0098	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	15,723.57	93.26
11 44 16 00-0099	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	8,794.45	46.63
11 44 16 00-0100	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,887.70	93.26
11 44 16 00-0101	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	24,587.16	93.26
11 44 16 00-0102	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	7,861.79	46.63
11 44 16 00-0103	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	21,560.94	93.26
11 44 16 00-0104	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	32,050.65	93.26
11 44 16 00-0105	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	24,587.16	93.26
11 44 16 00-0106	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	20,134.51	93.26
11 44 16 00-0107	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	17,918.07	93.26
11 44 16 00-0108	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	8,421.39	46.63
11 44 16 00-0109		**Broiler, Without Oven** *(11 44 16)*		
11 44 16 00-0110	EA	69" x 26" x 39" Broiler Without Oven	7,974.71	180.98
11 44 16 00-0111	EA	Conveyor Broiler	7,092.56	210.04
11 44 16 00-0112		**Oven Stands** *(11 44 16)*		
11 44 16 00-0113	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,992.66	
11 44 16 00-0114		**Triple Conveyor Oven** *(11 44 16)*		
11 44 16 00-0115	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,380.60	186.51
11 44 16 00-0116	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,380.60	186.51
11 44 16 00-0117	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,964.72	186.51
11 44 16 00-0118	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,345.64	186.51
11 44 16 00-0119	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,345.64	186.51
11 44 16 00-0120	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,964.72	186.51
11 44 16 00-0121	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,964.72	186.51
11 44 19		**Commercial Cooking Equipment** *(11 44)*		
11 44 19 00-0001		**Drop-In Electric Griddle** *(11 44 19)*		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	4,416.32	155.53
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,276.30	155.53

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11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	7,182.91	169.66
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	8,592.66	169.66
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	11,010.87	183.80
11 44 19 00-0007		**Countertop Griddle** *(11 44 19)*		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	600.08	173.61
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	732.08	173.61
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	809.08	173.61
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	1,005.99	173.61
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,087.94	173.61
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,381.97	173.61
11 44 19 00-0014		**Panini Sandwich Grill** *(11 44 19)*		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	649.60	93.26
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	497.76	93.26
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	497.76	93.26
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	497.76	93.26
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	1,019.88	93.26
11 44 19 00-0020		**Electric Countertop Fryer, With Basket** *(11 44 19)*		
11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)	997.39	93.26
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	2,186.89	93.26
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	8,130.72	93.26
11 44 19 00-0024		**Electric Floor Fryer, With Basket** *(11 44 19)*		
11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	6,969.79	226.22
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,315.22	226.22
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,340.56	294.09
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	23,907.40	294.09
11 44 19 00-0029		**Steam Jacketed Kettles** *(11 44 19)*		
11 44 19 00-0030	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T)	13,569.13	23.32
11 44 19 00-0031	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	12,067.04	23.32
11 44 19 00-0032	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T)	9,593.85	23.32
11 44 19 00-0033	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	10,003.02	23.32
11 44 19 00-0034	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	35,116.79	23.32
11 44 19 00-0035	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	61,885.26	93.26
11 44 19 00-0036	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	146,335.51	93.26
11 44 19 00-0037	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	32,183.37	93.26
11 44 19 00-0038	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	32,183.37	93.26
11 44 19 00-0039	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	58,986.54	93.26
11 44 19 00-0040	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T)	21,514.11	93.26
11 44 19 00-0041	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	47,468.03	93.26
11 44 19 00-0042	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	59,421.16	93.26
11 44 19 00-0043	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	42,279.79	93.26
11 44 19 00-0044	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	39,006.46	93.26
11 44 19 00-0045	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	120,401.59	93.26
11 44 19 00-0046	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	124,231.40	93.26
11 44 19 00-0047	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	57,907.37	186.51
11 44 19 00-0048	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	40,375.01	186.51
11 44 19 00-0049	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	57,618.22	186.51
11 44 19 00-0050	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	47,874.59	186.51
11 44 19 00-0051	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	49,609.46	186.51
11 44 19 00-0052	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	20,867.75	186.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0053	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	60,147.78	186.51
11 44 19 00-0054	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	59,836.82	186.51
11 44 19 00-0055	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	66,310.75	186.51
11 44 19 00-0056	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	44,921.31	186.51
11 44 19 00-0057	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	27,387.14	186.51
11 44 19 00-0058	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	145,645.50	186.51
11 44 19 00-0059	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	48,194.65	186.51
11 44 19 00-0060	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	60,147.78	186.51
11 44 19 00-0061	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	139,786.23	186.51
11 44 19 00-0062	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	45,928.77	186.51
11 44 19 00-0063	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	139,406.16	186.51
11 44 19 00-0064	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	47,501.79	186.51
11 44 19 00-0065	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	164,592.66	186.51
11 44 19 00-0066	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,964.88	186.51
11 44 19 00-0067	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	47,874.59	186.51
11 44 19 00-0068	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	47,610.91	186.51
11 44 19 00-0069	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	140,189.94	186.51
11 44 19 00-0070	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,867.75	186.51
11 44 19 00-0071	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	57,907.37	186.51
11 44 19 00-0072	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,998.50	186.51
11 44 19 00-0073	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	27,099.82	186.51
11 44 19 00-0074	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	47,405.41	186.51
11 44 19 00-0075	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	63,248.36	186.51
11 44 19 00-0076	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	24,681.19	186.51
11 44 19 00-0077	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	17,154.33	186.51
11 44 19 00-0078	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	18,232.71	186.51
11 44 19 00-0079	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	28,412.79	186.51
11 44 19 00-0080	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	21,242.37	186.51
11 44 19 00-0081	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	17,216.16	186.51
11 44 19 00-0082	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	42,870.02	186.51
11 44 19 00-0083	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	9,296.51	186.51
11 44 19 00-0084	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	30,193.12	186.51
11 44 19 00-0085	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	13,011.74	186.51
11 44 19 00-0086	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	32,615.39	186.51
11 44 19 00-0087	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	20,424.03	186.51

11 44 19 00-0088 Steamers, Electric *(11 44 19)*

11 44 19 00-0089 Cooking Equipment/ Steamers *(11 44 19 00-0088)*

11 44 19 00-0090	EA	3 Pan, Electric Countertop Convection Steamer	10,693.32	237.53
11 44 19 00-0091	EA	5 Pan, Electric Countertop Convection Steamer	14,097.70	248.83
11 44 19 00-0092	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	9,890.18	237.53
11 44 19 00-0093	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	14,444.48	248.83

11 44 19 00-0094 Braising Pans *(11 44 19)*

11 44 19 00-0095	EA	24" x 24", 240 Volt, Tilting Braising Pan	9,465.20	230.34
11 44 19 00-0096	EA	24" x 31", 240 Volt, Tilting Braising Pan	9,988.17	242.23
11 44 19 00-0097	EA	24" x 41", 240 Volt, Tilting Braising Pan	10,638.19	257.96
11 44 19 00-0098	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	12,339.04	300.39
11 44 19 00-0099	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	12,759.17	309.63
11 44 19 00-0100	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	13,254.60	317.83

11 44 19 00-0101 Toasters *(11 44 19)*

11 44 19 00-0102	EA	Bun Toaster 3.2 KW	1,883.49	53.61
11 44 19 00-0103	EA	Bun Toaster 4.3 KW	2,055.52	58.43
11 44 19 00-0104	EA	Pop-Up Toaster, 2 Slot	637.98	122.49
11 44 19 00-0105	EA	Conveyor Toaster	1,094.85	183.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0106		**Microwave Ovens** *(11 44 19)*		
11 44 19 00-0107	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	179.01	11.66
11 44 19 00-0108	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	196.31	11.66
11 44 19 00-0109	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	253.98	11.66
11 44 19 00-0110	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	323.18	11.66
11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	403.91	11.66
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	253.98	11.66
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	296.08	11.66
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	521.57	11.66
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	635.75	11.66
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,331.22	11.66
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	369.09	11.66
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	502.02	11.66
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	386.63	11.66
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	340.49	11.66
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	656.51	11.66
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	305.89	11.66
11 44 19 00-0123	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	633.44	11.66
11 44 19 00-0124	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12)	702.64	11.66
11 44 19 00-0125	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,176.67	11.66
11 44 19 00-0126	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,092.48	11.66
11 44 19 00-0127	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,285.08	11.66
11 44 19 00-0128	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521)	1,204.35	11.66
11 44 19 00-0129	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,351.98	11.66
11 44 19 00-0130	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	3,640.80	11.66
11 44 19 00-0131	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	4,824.14	11.66
11 44 19 00-0132	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,507.68	11.66
11 44 19 00-0133	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22)	4,694.39	11.66
11 44 19 00-0134	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24)	2,898.62	11.66
11 44 19 00-0135	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18)	783.38	11.66
11 44 19 00-0136	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	829.51	11.66
11 44 19 00-0137	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	887.18	11.66
11 44 19 00-0138	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2)	2,130.49	11.66
11 44 19 00-0139	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T)	714.18	11.66
11 44 19 00-0140	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182)	1,559.58	11.66
11 44 19 00-0141	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,569.96	11.66
11 44 19 00-0142	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,465.01	11.66
11 44 19 00-0143	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212)	1,632.24	11.66
11 44 19 00-0144	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,476.54	11.66
11 44 19 00-0145	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2)	2,659.88	11.66
11 44 19 00-0146	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2)	3,490.29	11.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0147		Ceramic Broiler On Storage Base With Doors *(11 44 19)*		
11 44 19 00-0148	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	7,798.59	188.85
11 44 19 00-0149	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	7,798.59	188.85
11 44 19 00-0150	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	9,692.94	235.76
11 44 19 00-0151		Gas Countertop Hot Plate *(11 44 19)*		
11 44 19 00-0152	EA	2 Burners Gas Countertop Hot Plate	994.24	24.05

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001		Soft Serve Machines *(11 46 13)*		
11 46 13 00-0002	EA	Soft Serve Machines, Medium	13,609.16	133.69
11 46 13 00-0003	EA	Soft Serve Machines, Large	22,951.97	163.33
11 46 13 00-0004		Salad Bars *(11 46 13)*		
11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	12,929.50	512.09
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	11,865.73	512.09
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	8,332.12	281.35
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	6,590.83	231.13
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,010.57	339.10
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	11,016.04	300.39
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,717.03	50.87
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,826.72	50.87

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001		Food Warmer Holding Station *(11 46 16)*		
11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	695.90	19.79
11 46 16 00-0003		Reach-In Food Warmers *(11 46 16)*		
11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,497.54	42.61
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	3,427.06	97.60
11 46 16 00-0006		Countertop Food Warmer *(11 46 16)*		
11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	212.96	34.26
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	186.51	34.26
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	574.15	34.26
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	396.15	34.26
11 46 16 00-0011		Hot Cabinets With Top Wells Electric *(11 46 16)*		
11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	7,973.79	188.85
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	11,392.60	270.65
11 46 16 00-0014		Portable Hot Food Units *(11 46 16)*		
11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,465.47	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,259.98	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,076.28	
11 46 16 00-0018		Stationary Hot Food Units *(11 46 16)*		
11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,658.21	38.46
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,224.43	44.27
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,769.28	56.70
11 46 16 00-0022		Serving Counters *(11 46 16)*		
11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	123.93	46.15
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	160.56	70.69
11 46 16 00-0025		Drop-In Equipment *(11 46 16)*		
11 46 16 00-0026	EA	Hot Food Well, Rectangular	606.46	147.04
11 46 16 00-0027	EA	Hot Food Well, Circular	557.66	147.04
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,795.52	147.04
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	2,038.39	163.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	2,315.17	183.80
11 46 16 00-0031	EA	Frost Cold Plate	2,303.51	163.33
11 46 16 00-0032		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	3,756.55	237.13
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	5,349.47	331.92
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	1,572.36	237.13
11 46 16 00-0036	EA	Hot Chocolate Dispenser	1,525.30	195.31
11 46 16 00-0037	EA	Iced Tea Brewer	2,220.82	195.31
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	1,629.11	326.43
11 46 16 00-0039	EA	Jet Spray Dispenser	2,300.81	326.77
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	1,924.59	183.80
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	2,620.11	183.80
11 46 16 00-0042		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,027.82	34.26
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser	764.57	33.29
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser	1,300.33	103.50
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser	473.70	23.32
11 46 16 00-0047		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	2,989.78	23.32
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	172.98	29.19
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	492.68	29.19
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	3,793.46	157.95
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	8,705.29	355.08
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	3,339.16	118.28
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	456.79	15.99
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	2,917.82	113.12
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	4,793.59	169.56
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	5,867.99	188.55
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	8,454.53	237.19
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	6,142.54	188.55
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	8,853.54	237.19
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	6,583.69	58.28
11 46 16 00-0069		**Smoothie Machine** *(11 46 16)*		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	375.72	34.26
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	331.36	34.26
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	398.48	34.26
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	409.86	34.26
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	224.12	34.26
11 46 16 00-0075		**Refrigerated Buffet Display Table** *(11 46 16)*		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,528.19	34.26
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,670.86	34.26
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,394.73	34.26
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,316.20	34.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0080		**Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	1,939.41	23.32
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,223.46	23.32
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,230.08	26.67
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,419.44	26.67
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,419.44	26.67
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,099.43	26.67
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,099.43	26.67
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	3,901.56	31.05
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	4,957.66	31.05
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	3,901.56	31.05
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	4,957.66	31.05
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,132.41	31.05
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,132.41	31.05
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,132.41	31.05
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,391.58	31.05
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	5,582.50	31.05
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,391.58	31.05
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,257.70	31.05
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	5,582.50	31.05
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	5,913.26	31.05
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	4,651.36	31.05
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	5,569.08	31.05
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	5,913.26	31.05
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	4,651.36	31.05
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,118.15	31.05
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	5,762.04	31.05
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,118.15	31.05
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	6,118.15	31.05
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,103.84	31.05
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	1,960.58	33.94
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	6,487.02	33.94
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,102.55	33.94
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	5,252.04	31.05
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,385.67	33.94
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	6,700.57	33.94
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	6,700.57	33.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	6,700.57	33.94
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,455.43	33.94
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,065.96	33.94
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	8,065.96	33.94
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,065.96	33.94
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	6,270.33	33.94
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	8,192.71	33.94
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	15,465.16	33.94
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	15,465.16	33.94
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	8,566.96	37.30
11 46 16 00-0127		**Dry Bakery Display Case** *(11 46 16)*		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,695.44	23.32
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,695.44	23.32
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,878.74	23.32
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,878.74	23.32
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,160.32	26.67
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,572.75	26.67
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,517.76	26.67
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,517.76	26.67
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	5,274.85	31.05
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	10,487.51	31.05
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	6,374.22	37.30
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	5,115.98	33.94
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	5,115.98	33.94
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	5,115.98	33.94
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	5,115.98	33.94
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	5,320.82	33.94
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	5,320.82	33.94
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,752.89	37.30
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	5,752.89	37.30
11 46 16 00-0147		**Dual Dry/Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	16,788.89	33.94
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	16,788.89	33.94
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	16,788.89	33.94
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	16,795.69	37.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	17,239.94	37.30
11 46 16 00-0153		**Refrigerated Deli Case** *(11 46 16)*		
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	7,930.50	124.31
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	7,930.50	124.31
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	9,080.29	124.31
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	9,080.29	124.31
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	1,874.92	74.60
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	2,038.13	74.60
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	1,874.92	74.60
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	2,126.97	93.26
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	2,307.36	93.26
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	2,498.40	124.31
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	2,498.40	124.31
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	2,816.23	124.31
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	2,189.17	124.31
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,721.74	124.31
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	2,721.74	124.31
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	2,988.03	124.31
11 46 19		**Soda Fountain Equipment** *(11 46)*		
11 46 19 00-0001		**Carbonated Beverage Dispensing** *(11 46 19)*		
11 46 19 00-0002	EA	Carbonated Beverage Dispenser	4,113.53	459.56
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 Lb. Ice	6,524.18	525.16
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 Lb. Ice	11,993.53	735.21
11 46 19 00-0005		**Beverage Chilling Systems** *(11 46 19)*		
11 46 19 00-0006	EA	Beverage Chiller, Small	7,695.84	407.46
11 46 19 00-0007	EA	Beverage Chiller, Large	14,357.88	611.24
11 46 83		**Ice Machines** *(11 46)*		
11 46 83 00-0001		**Undercounter Ice Machines With Bin** *(11 46 83)*		
11 46 83 00-0002	EA	53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,420.70	23.32
11 46 83 00-0003	EA	85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090)	3,917.32	197.94
11 46 83 00-0004	EA	137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A)	2,991.97	197.94
11 46 83 00-0005	EA	100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA)	2,921.20	197.94
11 46 83 00-0006	EA	227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,146.51	212.08
11 46 83 00-0007	EA	282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,515.60	212.08
11 46 83 00-0008		**Ice Cube Maker** *(11 46 83)*		
11 46 83 00-0009	EA	320 Lb./Day, Modular Ice Maker Without Bin	4,240.01	212.08
11 46 83 00-0010	EA	451 Lb./Day, Modular Ice Maker Without Bin	4,607.72	226.22
11 46 83 00-0011	EA	600 Lb./Day, Modular Ice Maker Without Bin	5,276.78	226.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0012	EA	901 Lb./Day, Modular Ice Maker Without Bin	7,548.14	240.36
11 46 83 00-0013	EA	1301 Lb./Day, Modular Ice Maker Without Bin	8,566.69	240.36
11 46 83 00-0014	EA	1601 Lb./Day, Modular Ice Maker Without Bin	10,329.02	254.49
11 46 83 00-0015	EA	1900 Lb./Day, Modular Ice Maker Without Bin	11,411.45	254.49
11 46 83 00-0016		Ice Flakers *(11 46 83)*		
11 46 83 00-0017	EA	300 Lb./Day, Ice Flakers	5,960.46	664.08
11 46 83 00-0018	EA	600 Lb./Day, Ice Flakers	10,765.18	1,062.53
11 46 83 00-0019	EA	1,000 Lb./Day, Ice Flakers	13,344.03	1,460.98
11 46 83 00-0020	EA	2,000 Lb./Day, Ice Flakers	16,255.97	1,593.80
11 46 83 00-0021		Ice Storage Bins *(11 46 83)*		
11 46 83 00-0022	EA	260 Lb. Capacity, Stainless Steel Ice Storage Bin	1,678.90	139.88
11 46 83 00-0023	EA	360 Lb. Capacity, Stainless Steel Ice Storage Bin	1,842.44	139.88
11 46 83 00-0024	EA	550 Lb. Capacity, Stainless Steel Ice Storage Bin	2,301.85	151.54
11 46 83 00-0025	EA	660 Lb. Capacity, Stainless Steel Ice Storage Bin	2,483.57	151.54
11 46 83 00-0026	EA	1,150 Lb. Capacity, Stainless Steel Ice Storage Bin	4,778.23	163.20

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

11 48 13 00-0001		Sprays And Hoses *(11 48 13)*		
11 48 13 00-0002		Sprays, Fillers *(11 48 13 00-0001)*		
11 48 13 00-0003	EA	Pre-Rinse Spray	498.88	96.87
11 48 13 00-0004	EA	Kettle Fillers	437.87	96.87
11 48 13 00-0005		Hoses *(11 48 13 00-0001)*		
11 48 13 00-0006	EA	Hose Reel	598.65	116.29
11 48 13 00-0007	EA	Wash-Down Hose	476.63	116.29
11 48 13 00-0008	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,510.44	
11 48 13 00-0009		Rack Type Dishwasher *(11 48 13)*		
11 48 13 00-0010	EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	29,969.48	1,128.54
11 48 13 00-0011	EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	48,924.62	1,394.08
11 48 13 00-0012	EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	58,505.41	1,593.24
11 48 13 00-0013		Undercounter Type Dishwasher *(11 48 13)*		
11 48 13 00-0014	EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,615.60	232.35
11 48 13 00-0015		Exhaust Hood Dishwasher *(11 48 13)*		
11 48 13 00-0016	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,682.29	282.40
11 48 13 00-0017	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,551.43	338.88
11 48 13 00-0018		Dish Tables *(11 48 13)*		
11 48 13 00-0019	EA	2' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	463.62	101.47
11 48 13 00-0020	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	502.62	111.55
11 48 13 00-0021	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	607.48	122.25
11 48 13 00-0022	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	679.24	134.47
11 48 13 00-0023	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	755.39	146.70
11 48 13 00-0024	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	831.05	161.98
11 48 13 00-0025	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	947.42	177.26
11 48 13 00-0026	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	641.11	152.81

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0027	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	742.07	168.09
11 48 13 00-0028	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	803.43	183.37
11 48 13 00-0029	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	911.61	201.71
11 48 13 00-0030	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	1,127.10	223.11
11 48 13 00-0031	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	1,191.89	244.49

11 48 16 Foodservice Disposal Equipment *(11 48)*

11 48 16 00-0001 Garbage Disposals *(11 48 16)*
Note: Manual switch.

11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,705.25	179.24
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,145.17	185.88
11 48 16 00-0004	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,002.71	199.15
11 48 16 00-0005	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,302.07	192.52
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,272.22	219.07
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,600.87	238.99
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	5,491.24	265.54
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	7,634.89	285.46
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	10,046.54	298.73

11 48 16 00-0011 Pulper/Extractors *(11 48 16)*

11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	6,674.70	276.56

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)
(11 52 13 13-0001)

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	415.89	96.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	496.40	123.76
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	631.90	171.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	733.04	206.28
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,133.54	309.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,331.80	343.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	954.77	220.02
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	1,097.16	275.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	586.65	116.88
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	812.40	165.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	886.02	185.65
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	945.89	199.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	1,093.16	240.65
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	890.88	171.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	1,010.64	199.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0018		Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*		
11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	949.62	123.76
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,117.49	171.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,306.01	233.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,522.02	309.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,665.27	316.28
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,785.02	343.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,817.40	343.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	1,955.77	364.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	2,094.14	385.05
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,246.26	412.55
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,505.25	412.55
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	2,909.77	550.06
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0031		Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*		
		Note: With controlled screen return.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,764.95	171.89
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,985.84	233.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,201.85	309.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,312.73	316.28
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,464.86	343.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,497.23	343.78
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,635.60	364.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,695.48	378.17
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,023.22	412.55
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,314.57	412.55
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,783.84	550.06
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,621.62	154.71
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,683.58	171.89
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,804.78	206.28
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,248.33	309.41
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,328.31	316.28
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,535.07	343.78
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,604.05	343.78
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,784.63	367.85
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,003.86	385.05
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,149.93	412.55
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,274.09	412.55
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,764.34	550.06

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,325.26	412.55
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,859.28	550.06
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,485.95	618.81
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,947.19	687.58
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,545.95	825.09
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,654.65	893.84
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,666.26	962.61
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,313.72	962.61
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,268.57	1,100.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,273.30	893.84
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,009.58	1,100.12
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,608.34	1,237.64
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,058.29	962.61
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	16,845.64	1,237.64
11 52 13 13-0071		**Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol)** *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,809.58	154.71
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,941.07	171.89
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,074.59	206.28
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,507.46	309.41
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,585.96	316.28
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,835.21	343.78
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,029.45	343.78
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,174.70	367.85
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,370.93	385.05
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,555.44	412.55
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,620.18	412.55
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,218.94	550.06
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,805.66	584.44
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,198.16	618.81
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,047.88	687.58
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,484.77	825.09
11 52 13 13-0088		**Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol)** *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,825.44	154.71
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,939.53	189.08
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,003.04	206.28
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,303.18	309.41
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,346.08	316.28
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,524.11	343.78
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,695.68	343.78
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,973.66	367.85
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,053.35	385.05
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,247.57	412.55
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,255.60	481.31
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,846.33	550.06
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,527.25	584.44
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,903.57	618.81
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,639.98	687.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,050.97	825.09
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,949.26	893.84
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,627.40	962.61
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,100.04	962.61
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	13,385.11	1,100.12
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,003.04	206.28
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,234.43	275.03
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,332.32	309.41
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,085.73	385.05
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,524.29	481.31
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,091.00	618.81
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,612.07	756.34
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	15,099.34	1,031.37
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,250.62	275.03
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,380.88	309.41
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,516.03	330.04
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,600.16	357.54
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,930.34	385.05
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,401.27	481.31
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,003.60	618.81
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,256.29	756.34
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,230.90	893.84
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,118.70	154.71
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,219.29	171.89
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,337.72	206.28
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,715.05	309.41
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,784.00	316.28
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,957.65	343.78
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,142.52	343.78
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,309.29	367.85
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,431.96	385.05
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,627.69	412.55
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,818.07	412.55
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,253.14	550.06
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)* Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,863.72	343.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,907.67	412.55
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,521.58	618.81
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,336.85	825.09
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	25,878.00	962.61
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,770.16	343.78
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,234.96	412.55
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,246.55	481.31
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,924.31	618.81
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)* Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,911.09	343.78
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,153.70	378.17
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,044.15	412.55
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,629.99	446.92
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,990.00	13,508.70
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,536.13	550.06
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,899.51	618.81
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,845.35	687.58
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	30,034.88	756.34
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	40,150.11	825.09
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	78.90	10.32
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	111.27	11.00
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	130.70	12.38
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	808.08	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,164.19	
11 52 13 13-0168		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	2,022.28	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Motion Picture Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	52.31	4.95
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,416.00	68.75
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,639.73	68.75
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,167.11	68.75
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,413.62	68.75
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,972.96	68.75
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	5,043.69	68.75
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,016.15	68.75
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,860.77	68.75
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,118.52	68.75
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0012		**Universal Projector Mounts** *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	316.94	75.61
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	515.33	75.61
11 52 16 26-0015		**Projector Mount Components** *(11 52 16 26-0011)* Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		**Ceiling Attachment Plates For Projector Mounts** *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	115.91	34.37
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	156.63	34.37
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	216.90	34.37
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	269.51	34.37
11 52 16 26-0021		**Projector Attachment Plates For Projector Mounts** *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	395.17	34.37
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	869.83	34.37
11 52 16 26-0024		**Threaded Extension Columns For Projector Mounts** *(11 52 16 26-0015)*		
11 52 16 26-0025		**Fixed Length, Threaded Extension Column For Projector Mounts** *(11 52 16 26-0024)* Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	68.33	10.31
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	88.43	10.31
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	95.96	10.31
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	100.98	10.31
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	120.41	13.74
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	145.52	13.74
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	185.70	13.74
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	213.33	13.74
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	250.34	17.18
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	285.50	17.18
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	317.48	20.62
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	332.55	20.62
11 52 16 26-0038		**Adjustable Length, Threaded Extension Columns For Projector Mounts** *(11 52 16 26-0024)* Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	139.84	17.18
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	215.18	17.18
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	220.21	17.18
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	227.74	17.18
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	247.17	20.62
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	259.72	20.62
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	287.35	20.62
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	312.46	20.62
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	346.95	24.06
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	372.07	24.06
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	406.57	27.49
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	424.15	27.49
11 52 33		**Interactive Displays** *(11 52)*		
11 52 33 00-0001		**Television Monitors And Panels** *(11 52 33)* Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.		
11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	715.75	18.65
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	785.46	20.98
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	1,067.89	23.32
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,077.73	23.32
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,220.64	25.64
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,433.85	27.97
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,787.67	30.31
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,139.14	30.31
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,492.95	32.64
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	3,022.49	34.97
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	4,782.20	37.31
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	2,198.82	27.97
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	3,069.51	30.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	4,157.28	32.64
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	4,376.70	34.97
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	6,547.57	34.97
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086)	19,955.26	37.31
11 52 33 00-0019		**Flat Panel Display Mounting** *(11 52 33)*		
		Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays	454.56	134.51
		Note: 2.6" To 16.6" swing arm extension, 12-degrees tilt		
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays	702.76	168.13
		Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays	728.16	201.76
		Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate	774.65	201.76
		Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays	774.65	201.76
		Note: 4.5" To 26.2" swing arm extension, 15-degrees tilt		
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays	431.37	134.51
		Note: 8" Extension		
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays	591.41	168.13
		Note: 9.7" Extension		
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays	1,006.62	201.76
		Note: 10.2" Extension		
11 52 33 00-0028	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays	1,438.34	235.39
		Note: 20" Extension		
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	545.02	168.13
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	637.81	168.13
11 52 33 00-0031	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	750.84	201.76
11 52 33 00-0032	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	452.23	168.13
11 52 33 00-0033	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	521.82	168.13
11 52 33 00-0034	EA	Low Profile Wall Mounts For 75" Flat Panel Displays	620.59	201.76
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling	755.00	269.01
		Note: 360 degree rotation, 15-degree tilt.		
11 52 33 00-0036	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling	885.25	269.01
		Note: 360 degree rotation, 15-degree tilt.		
		For 28" To 41" Extension Pole, Add	*45.38*	
		For 38" To 51" Extension Pole, Add	*57.79*	
		For 48" To 61" Extension Pole, Add	*66.06*	
11 52 33 00-0037	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling	930.74	269.01
		Note: 360 degree rotation, 15-degree tilt.		
11 52 33 00-0038		**Audio/Video Components** *(11 52 33)*		
11 52 33 00-0039	EA	MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	1,668.27	100.88
11 52 33 00-0040	EA	MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	2,260.26	100.88
11 52 33 00-0041	EA	MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	511.24	33.63
11 52 33 00-0042	EA	MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01)	591.97	33.63
11 52 33 00-0043	EA	MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamplifier Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,408.24	134.51
11 52 33 00-0044	EA	MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	2,677.32	134.51
11 52 33 00-0045	EA	MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	2,677.32	134.51
11 52 33 00-0046	EA	Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	170.49	16.81
11 52 33 00-0047	EA	DVD/VCR Combo (Toshiba #SD V296)	171.19	
11 52 33 00-0048	EA	DVD/VCR Combo (Toshiba #SD V392)	173.51	
11 52 33 00-0049	EA	DVDr/VCR Combo (Toshiba #DVR620)	317.33	
11 52 33 00-0050	EA	DVDr/VCR Combo (Toshiba #DVR670)	435.64	
11 52 33 00-0051		**Audio/Video Cabling** *(11 52 33)*		
11 52 33 00-0052	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	43.72	
11 52 33 00-0053	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	63.90	
11 52 33 00-0054	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	95.53	
11 52 33 00-0055	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	198.44	
11 52 33 00-0056	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	279.17	
11 52 33 00-0057	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	383.45	
11 52 33 00-0058	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	524.72	
11 52 33 00-0059	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	645.80	
11 52 33 00-0060	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	770.25	
11 52 33 00-0061	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	850.98	
11 52 33 00-0062	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	1,015.79	
11 52 33 00-0063	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,220.97	
11 52 33 00-0064	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	43.72	
11 52 33 00-0065	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	63.90	
11 52 33 00-0066	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	95.53	
11 52 33 00-0067	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	198.44	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0068	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	279.17	
11 52 33 00-0069	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	383.45	
11 52 33 00-0070	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	524.72	
11 52 33 00-0071	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	645.80	
11 52 33 00-0072	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	770.25	
11 52 33 00-0073	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	850.98	
11 52 33 00-0074	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	1,015.79	
11 52 33 00-0075	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	1,220.97	
11 52 33 00-0076	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	19.51	
11 52 33 00-0077	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	30.94	
11 52 33 00-0078	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	23.54	
11 52 33 00-0079	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	25.56	
11 52 33 00-0080	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	34.98	
11 52 33 00-0081	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	41.04	
11 52 33 00-0082	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	65.25	
11 52 33 00-0083	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	91.48	
11 52 33 00-0084	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	121.09	
11 52 33 00-0085	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	161.45	
11 52 33 00-0086	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	201.81	
11 52 33 00-0087	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	33.63	
11 52 33 00-0088	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	35.65	
11 52 33 00-0089	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	45.07	
11 52 33 00-0090	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	55.16	
11 52 33 00-0091	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	77.35	
11 52 33 00-0092	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	103.59	
11 52 33 00-0093	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	141.27	
11 52 33 00-0094	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	181.63	
11 52 33 00-0095	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	232.09	
11 52 33 00-0096	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	7.40	
11 52 33 00-0097	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	9.41	
11 52 33 00-0098	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	11.43	
11 52 33 00-0099	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	15.47	

11 53 Laboratory Equipment *(11 50)*

11 53 43 Service Fittings and Accessories *(11 53)*

11 53 43 00-0001 Outlet And Valves *(11 53 43)*

11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,112.53	

11 53 43 00-0003 Test And Certify *(11 53 43)*

11 53 43 00-0004	EA	Test And Certify Medical Gas Port	66.41	

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

11 66 13 00-0001 Fitness Systems *(11 66 13)*

11 66 13 00-0002 Components For Physical Fitness Activities *(11 66 13 00-0001)*

11 66 13 00-0003	EA	Sit And Reach	1,295.12	117.08
11 66 13 00-0004	EA	Isometric Squat	484.15	46.84
11 66 13 00-0005	EA	Log Jump	3,093.36	187.34
11 66 13 00-0006	EA	Step Up	717.82	93.66
11 66 13 00-0007	EA	Hip Rotation	3,378.07	163.92
11 66 13 00-0008	EA	Body Curl	1,263.03	93.66
11 66 13 00-0009	EA	Horizontal Ladder	4,080.64	187.34
11 66 13 00-0010	EA	Chin Up	3,108.10	187.34
11 66 13 00-0011	EA	Push Up	1,889.28	93.66
11 66 13 00-0012	EA	Leg Raise	2,646.05	140.50
11 66 13 00-0013	EA	Log Hop	1,191.45	46.84
11 66 13 00-0014	EA	Parallel Bar	2,546.59	140.50
11 66 13 00-0015	EA	Leg Stretch	1,086.20	93.66
11 66 13 00-0016	EA	Balance Beam	969.37	70.25
11 66 13 00-0017	EA	Log Roll	3,019.17	117.08

11 66 23 Gymnasium Equipment *(11 66)*

11 66 23 13 Basketball Equipment *(11 66 23)*

11 66 23 13-0001 Basketball Equipment *(11 66 23 13)*

11 66 23 13-0002	EA	4' To 6' Extention, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46) Note: Includes rim and net.	4,515.78	1,057.91
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure Note: Includes rim and net.	7,110.23	1,057.91
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure Note: Includes rim and net.	8,705.89	1,410.54
		For Glass Backstop, Add	*500.00*	
		For Electrically Operated, Add	*2,513.18*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0005	EA	72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00) Note: For indoor use. Includes fully tempered glass.	2,030.99	293.86
11 66 23 13-0006	EA	48" Recreational Backboard Pad (Porter Athletic 00324-648)	284.73	29.39
11 66 23 13-0007	EA	54" Recreational Backboard Pad (Porter Athletic 00324-654)	317.54	35.26
11 66 23 13-0008	EA	72" Recreational Backboard Pad (Porter Athletic 00324-672)	344.73	41.14
11 66 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	39.03	11.75

11 66 23 53 Wall Padding *(11 66 23)*

11 66 23 53-0001 Gymnasium Wall Padding *(11 66 23 53)*

Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.

11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	17.50	2.27
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.53*	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	23.41	2.50
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.53*	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	26.99	2.27
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.53*	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	42.17	2.50
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.53*	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	34.43	2.27
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.53*	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	51.07	2.50
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.53*	

11 66 23 53-0008 Gymnasium Wall Padding Accessories *(11 66 23 53)*

11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	11.38	3.30
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	17.00	3.30
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	17.71	3.30
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads	57.90	

11 66 43 Interior Scoreboards *(11 66)*

11 66 43 00-0001 Scoreboards And Shot Clocks *(11 66 43)*

11 66 43 00-0002	EA	8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	5,618.43	403.52
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*950.80*	
11 66 43 00-0003	EA	8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	8,218.30	672.52
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*950.80*	
11 66 43 00-0004	EA	12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	12,839.84	807.03
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*950.80*	
11 66 43 00-0005	EA	9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4)	9,663.38	672.52
11 66 43 00-0006	EA	1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4) Note: Set includes two shot clocks.	4,017.58	269.01

11 66 53 Gymnasium Dividers *(11 66)*

11 66 53 11 Gymnasium Dividers *(11 66 53)*

11 66 53 11-0001 Gymnasium Dividers *(11 66 53 11)*

11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	8.37	1.38
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	14.51	1.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 Play Field Equipment and Structures *(11 60)*				
11 68 13 Playground Equipment *(11 68)*				
11 68 13 00-0001		Standalone Playground Equipment *(11 68 13)*		
11 68 13 00-0002		Ground Socket For Movable Posts *(11 68 13 00-0001)*		
11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	277.92	63.24
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	413.24	63.24
11 68 13 00-0005		See-Saws *(11 68 13 00-0001)*		
11 68 13 00-0006		Steel See-Saw *(11 68 13 00-0005)*		
11 68 13 00-0007	EA	2 Unit Steel See-Saw	2,284.25	389.18
11 68 13 00-0008	EA	4 Unit Steel See-Saw	3,632.11	459.92
11 68 13 00-0009	EA	6 Unit Steel See-Saw	5,006.03	562.13
11 68 13 00-0010		14' Long Laminated Beam *(11 68 13 00-0005)*		
11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,365.57	344.12
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,659.30	306.55
11 68 13 00-0013		Slides *(11 68 13 00-0001)*		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	2,944.17	445.02
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	4,127.39	632.40
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	4,571.51	702.67
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	5,727.64	778.36
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	18,431.17	1,224.42
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	17,723.61	1,263.11
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	22,282.22	1,327.58
11 68 13 00-0021		Whirlers *(11 68 13 00-0001)*		
11 68 13 00-0022	EA	8' Diameter Whirler	6,067.41	843.20
11 68 13 00-0023	EA	10' Diameter Whirler	7,059.11	1,011.84
11 68 13 00-0024		Other Standalone Playground Equipment *(11 68 13 00-0001)*		
11 68 13 00-0025		Miscellaneous Standalone Playground Equipment *(11 68 13 00-0024)*		
11 68 13 00-0026	EA	Horizontal Ladder	1,903.67	225.27
11 68 13 00-0027	EA	Tether Ball Post	327.72	44.03
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	504.49	77.85
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	9,611.44	219.99
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	618.78	117.56
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	831.11	140.50
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,119.96	187.34
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,633.08	257.58
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,664.43	107.25
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	1,831.87	115.77
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,795.49	124.11
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,267.98	106.79
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	2,791.10	139.84
11 68 13 00-0039	EA	Coil Spring Assembly Only	462.46	51.42
11 68 13 00-0040	EA	"C" Spring Assembly Only	307.33	34.28
11 68 13 00-0041	EA	Rubber Spring Assembly Only	263.45	66.88
11 68 13 00-0042	EA	Footbuck Assembly Only	79.90	8.99
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,037.34	128.61
11 68 13 00-0044		Freestanding Panels *(11 68 13 00-0024)*		
		Note: Rotomolded polyethylene.		
11 68 13 00-0045	EA	Tic-Tac-Toe Panel	867.62	55.07
11 68 13 00-0046	EA	24" Bubble Panel	1,299.75	82.52
11 68 13 00-0047	EA	Fire Engine Panel	1,907.42	121.11
11 68 13 00-0048	EA	Flat Mirror Panel	1,525.94	96.94
11 68 13 00-0049	EA	Wavy Mirror Panel	2,258.51	143.50
11 68 13 00-0050	EA	Paint Time Panel	1,465.18	93.11
11 68 13 00-0051	EA	Phone Time Panel	1,039.79	66.04
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,039.79	66.04
11 68 13 00-0053	EA	Race Time Panel	1,823.02	115.77
11 68 13 00-0054	EA	Rescue 911 Panel	1,849.54	115.77
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	995.91	63.23
11 68 13 00-0056	EA	Career People Panel	1,130.94	71.84
11 68 13 00-0057	EA	Solar System Panel	1,130.94	71.84
11 68 13 00-0058	EA	Animals Panel	1,130.94	71.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0059		**Freestanding Panels Uprights** *(11 68 13 00-0024)*		
11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	273.94	30.91
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	296.77	33.44
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	296.77	33.44
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	315.79	35.59
11 68 13 00-0064		**Coasters** *(11 68 13 00-0024)*		
11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	6,693.92	374.67
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	7,502.32	468.34
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	10,812.91	562.00
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	12,318.61	702.51
11 68 13 00-0069		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High	1,289.50	250.28
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	1,182.52	306.48
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	1,277.08	250.28
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,366.64	306.48
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,457.96	250.00
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,623.74	250.09
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	1,877.68	250.09
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	2,043.74	250.00
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	2,462.84	292.71
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	1,998.78	218.57
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	2,026.72	218.57
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	2,211.72	218.57
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	2,105.79	281.00
11 68 13 00-0083	EA	2-Way Climber	1,771.90	225.27
11 68 13 00-0084	EA	4-Way Climber	2,776.16	225.27
11 68 13 00-0085		**Swings** *(11 68 13 00-0001)*		
11 68 13 00-0086		**Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0085)* Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	1,693.64	344.12
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*195.31*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*214.41*	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	2,693.62	492.43
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*312.11*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*348.40*	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	3,730.03	724.59
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*431.74*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*480.17*	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	4,667.94	843.20
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*541.32*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*606.04*	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	1,800.65	344.12
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*208.69*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*233.14*	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	2,822.19	524.47
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*325.83*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*359.18*	
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats	3,906.26	814.43
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*449.49*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*489.61*	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats	5,162.36	983.73
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*596.09*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*657.38*	
11 68 13 00-0095		**Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0085)* Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats	1,919.37	303.92
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*224.72*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*259.90*	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats	2,785.77	440.99
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*326.17*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*377.27*	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats	3,716.98	589.78
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*435.13*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*503.03*	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats	4,635.12	702.67
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*544.25*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*635.45*	
11 68 13 00-0100	EA	10' High Top Rail, One Section, Two Seats	2,164.44	342.53
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*253.43*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*293.15*	
11 68 13 00-0101	EA	10' High Top Rail, One Section Three Seats	2,257.51	363.23
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*264.89*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*308.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0102	EA	10' High Top Rail, Two Sections, Four Seats	3,022.05	479.50
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*353.78*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*408.97*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Six Seats	3,621.79	552.77
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*426.39*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*502.14*	
11 68 13 00-0104	EA	10' High Top Rail, Three Section, Six Seats	4,022.61	637.92
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*470.93*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*544.47*	
11 68 13 00-0105	EA	10' High Top Rail, Three Sections, Nine Seats	4,984.37	702.95
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*587.91*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*696.57*	
11 68 13 00-0106	EA	10' High Top Rail, Four Section, Eight Seats	5,111.56	843.20
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*596.78*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*683.68*	
11 68 13 00-0107	EA	12' High Top Rail, One Section Three Seats	2,359.08	372.04
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*277.16*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*324.21*	
11 68 13 00-0108	EA	12' High Top Rail, Two Sections, Six Seats	3,835.89	598.58
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*450.97*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*528.71*	
11 68 13 00-0109	EA	12' High Top Rail, Three Sections, Nine Seats	5,616.84	958.72
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*655.26*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*748.72*	

11 68 13 00-0110 Swing Accessories *(11 68 13 00-0085)*

11 68 13 00-0111	EA	Enclosed Tot Seat With Chain And Hardware	545.77	28.24
11 68 13 00-0112	EA	Bucket Seat With Chain And Hardware	453.72	23.48
11 68 13 00-0113	EA	Belt Seat With Chain And Hardware	483.30	25.07
11 68 13 00-0114	EA	Seat With Chain And Hardware	476.73	24.70
11 68 13 00-0115	EA	Wide Seat With Chain And Hardware	503.22	26.09
11 68 13 00-0116	EA	Handi Seat With Chain And Hardware	1,502.51	77.81
11 68 13 00-0117	LF	0.4 Lb./LF Replacement Chain	6.35	0.56
11 68 13 00-0118	LF	1 Lb./LF Replacement Chain	11.80	1.11
11 68 13 00-0119	EA	Swing Hanger Replacement	68.94	6.43

11 68 13 00-0120 Playground Equipment (Columbia Cascade) *(11 68 13)*

Note: Excludes excavation and concrete.

11 68 13 00-0121	EA	Curved Balance Beam (Columbia Cascade 1628-12-12)	1,389.00	114.39
11 68 13 00-0122	EA	Kid Mixer (Columbia Cascade 1630-2-21-PL)	3,306.43	272.30
11 68 13 00-0123	EA	Kid Spinner (Columbia Cascade 1630-5-22-PL)	3,315.82	272.30
11 68 13 00-0124	EA	Spiral Spinner (Columbia Cascade 1630-6-11-PL)	5,299.35	436.48
11 68 13 00-0125	EA	Whirlarround (Columbia Cascade 1630-6-12-PL)	6,824.24	562.13
11 68 13 00-0126	EA	Parallel Bars (Columbia Cascade 1695)	1,102.15	90.80
11 68 13 00-0127	EA	Interplay Structure (Columbia Cascade 7800-02-M)	57,462.52	4,733.05
11 68 13 00-0128	EA	Interplay Structure (Columbia Cascade 7800-06-M)	75,678.48	4,841.29
11 68 13 00-0129	EA	Interplay Structure (Columbia Cascade 7807-M1)	35,027.08	2,885.09
11 68 13 00-0130	EA	Interplay Structure (Columbia Cascade 7807-M2)	30,844.98	2,540.66
11 68 13 00-0131	EA	Interplay Structure (Columbia Cascade 7807-M3)	22,012.71	1,813.10
11 68 13 00-0132	EA	Interplay Structure (Columbia Cascade 7879-M)	55,061.96	4,535.38
11 68 13 00-0133	EA	Pipeline Play Structure (Columbia Cascade 9813-M)	24,171.71	1,990.96
11 68 13 00-0134	EA	Pipeline Structure (Columbia Cascade 9826-M)	27,976.37	2,304.37
11 68 13 00-0135	EA	Pipeline Play Structure (Columbia Cascade 9834-M)	51,468.68	4,239.38
11 68 13 00-0136	EA	Pipeline Play Structure (Columbia Cascade 9839-M)	66,536.35	5,480.44
11 68 13 00-0137	EA	Pipeline Play Structure (Columbia Cascade 9843-M)	67,230.85	5,537.64
11 68 13 00-0138	EA	Pipeline Play Structure (Columbia Cascade 9856-M)	68,272.60	5,623.43
11 68 13 00-0139	EA	Pipeline Play Structure (Columbia Cascade 9878-M)	80,471.69	6,628.29

11 68 13 00-0140 Playground Equipment (Landscape Structures®) *(11 68 13)*

Note: Excludes excavation and concrete footings.

11 68 13 00-0141 Playground Equipment (Landscape Structures® PlayShaper®) *(11 68 13 00-0140)*

Note: Ages 2 to 5 years.

11 68 13 00-0142	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	3,030.90	125.24
11 68 13 00-0143	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	7,657.75	469.67
11 68 13 00-0144	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	3,160.45	125.24
11 68 13 00-0145	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	3,607.17	187.86
11 68 13 00-0146	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	3,061.24	187.86
11 68 13 00-0147	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	2,429.46	125.24
11 68 13 00-0148	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,697.80	125.24
11 68 13 00-0149	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	2,068.59	125.24
11 68 13 00-0150	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	5,872.67	375.73
11 68 13 00-0151	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	6,779.46	375.73
11 68 13 00-0152	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	7,306.89	375.73
11 68 13 00-0153	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	2,084.51	62.62
11 68 13 00-0154	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	2,114.86	125.24
11 68 13 00-0155	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,802.16	187.86
11 68 13 00-0156	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	3,126.01	187.86
11 68 13 00-0157	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	3,486.88	187.86
11 68 13 00-0158	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	2,013.08	125.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0159	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	8,413.16	500.97
11 68 13 00-0160	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	1,171.05	125.24
11 68 13 00-0161	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	1,242.49	62.62
11 68 13 00-0162	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,869.39	156.55
11 68 13 00-0163	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,900.61	219.18
11 68 13 00-0164	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	3,391.02	219.18
11 68 13 00-0165	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	3,169.70	125.24
11 68 13 00-0166	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B)	3,410.28	125.24
11 68 13 00-0167	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,550.42	125.24
11 68 13 00-0168	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B)	1,809.51	125.24
11 68 13 00-0169	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	809.27	52.18
11 68 13 00-0170	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,498.23	93.94
11 68 13 00-0171	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	2,260.50	240.05
11 68 13 00-0172	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,667.63	240.05
11 68 13 00-0173	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A)	2,392.45	125.24
11 68 13 00-0174	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B)	5,144.34	125.24
11 68 13 00-0175	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	3,549.07	125.24
11 68 13 00-0176	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	1,108.38	156.55
11 68 13 00-0177	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B)	1,139.96	156.55
11 68 13 00-0178	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C)	1,194.86	156.55
11 68 13 00-0179	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	1,208.80	31.31
11 68 13 00-0180	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	440.81	31.31
11 68 13 00-0181	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	4,308.62	219.18
11 68 13 00-0182	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	2,249.89	156.55
11 68 13 00-0183	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A)	1,375.55	52.18
11 68 13 00-0184	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	2,713.72	62.62
11 68 13 00-0185	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	376.26	39.45
11 68 13 00-0186	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A)	2,103.02	62.62
11 68 13 00-0187	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	832.02	93.94
11 68 13 00-0188	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,604.15	93.94
11 68 13 00-0189	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A)	5,821.23	250.49
11 68 13 00-0190	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A)	5,821.23	250.49
11 68 13 00-0191	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,651.53	125.24
11 68 13 00-0192	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,985.32	125.24
11 68 13 00-0193	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	2,038.25	62.62
11 68 13 00-0194	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,639.69	62.62
11 68 13 00-0195	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C)	2,910.62	125.24
11 68 13 00-0196	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	4,794.15	250.49
11 68 13 00-0197	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	4,794.15	250.49
11 68 13 00-0198	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A)	4,794.15	250.49
11 68 13 00-0199	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B)	4,794.15	250.49
11 68 13 00-0200	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	921.96	31.31
11 68 13 00-0201	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,414.05	20.88
11 68 13 00-0202	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,636.12	20.88
11 68 13 00-0203	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,784.17	20.88
11 68 13 00-0204	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A)	968.23	31.31
11 68 13 00-0205	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	766.34	20.88
11 68 13 00-0206	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	2,237.57	20.88
11 68 13 00-0207	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	609.04	20.88
11 68 13 00-0208	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	718.40	31.31
11 68 13 00-0209	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,904.46	20.88
11 68 13 00-0210	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	1,190.30	31.31
11 68 13 00-0211	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,649.62	62.62
11 68 13 00-0212	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A)	1,771.58	52.18
11 68 13 00-0213	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A)	1,701.80	93.94
11 68 13 00-0214	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A)	1,238.24	20.88
11 68 13 00-0215	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,847.26	31.31
11 68 13 00-0216	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,264.32	31.31
11 68 13 00-0217	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,612.61	62.62
11 68 13 00-0218	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	551.84	31.31
11 68 13 00-0219	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,706.81	52.18
11 68 13 00-0220	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	1,305.60	83.49
11 68 13 00-0221	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,589.86	20.88
11 68 13 00-0222	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	609.04	20.88
11 68 13 00-0223	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	838.68	31.31
11 68 13 00-0224	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	609.04	20.88
11 68 13 00-0225	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	784.85	20.88
11 68 13 00-0226	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,479.73	93.94
11 68 13 00-0227	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,615.94	31.31
11 68 13 00-0228	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	1,227.31	31.31
11 68 13 00-0229	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	1,179.39	52.18
11 68 13 00-0230	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	679.72	52.18
11 68 13 00-0231	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	598.11	31.31
11 68 13 00-0232	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,655.54	93.94
11 68 13 00-0233	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,923.87	93.94
11 68 13 00-0234	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	553.52	20.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0235	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	775.59	20.88
11 68 13 00-0236	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	159.34	20.88
11 68 13 00-0237	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	894.20	31.31
11 68 13 00-0238	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,188.64	52.18
11 68 13 00-0239	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	679.72	52.18
11 68 13 00-0240	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	948.06	52.18
11 68 13 00-0241	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	155.64	20.88
11 68 13 00-0242	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	294.44	20.88
11 68 13 00-0243	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	396.22	20.88
11 68 13 00-0244	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	229.67	20.88
11 68 13 00-0245	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	625.87	31.31
11 68 13 00-0246	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	644.37	31.31
11 68 13 00-0247	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	653.62	31.31
11 68 13 00-0248	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	672.13	31.31
11 68 13 00-0249	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	681.38	31.31
11 68 13 00-0250	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	699.89	31.31
11 68 13 00-0251	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) Note: Order one talk tube tubing kit with two talk tubes (any height listed).	572.18	187.86
11 68 13 00-0252	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	946.39	62.62
11 68 13 00-0253	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,772.50	125.24
11 68 13 00-0254	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,966.81	125.24
11 68 13 00-0255	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	4,095.00	125.24
11 68 13 00-0256	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,761.22	125.24
11 68 13 00-0257	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	1,031.34	52.18
11 68 13 00-0258	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	985.07	52.18
11 68 13 00-0259	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	1,003.58	52.18
11 68 13 00-0260	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	810.93	31.31
11 68 13 00-0261	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,608.52	187.86
11 68 13 00-0262	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,469.72	187.86
11 68 13 00-0263	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,349.44	187.86
11 68 13 00-0264	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	192.65	20.88
11 68 13 00-0265	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	170.45	20.88
11 68 13 00-0266	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	248.17	20.88
11 68 13 00-0267	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	207.46	20.88
11 68 13 00-0268	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	303.69	20.88
11 68 13 00-0269	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,045.33	250.49
11 68 13 00-0270	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,480.22	250.49
11 68 13 00-0271	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,665.28	250.49
11 68 13 00-0272	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,843.93	62.62
11 68 13 00-0273	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,806.92	62.62
11 68 13 00-0274	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,788.42	62.62
11 68 13 00-0275	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,760.66	62.62
11 68 13 00-0276	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,732.90	62.62
11 68 13 00-0277	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,714.39	62.62
11 68 13 00-0278	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,695.89	62.62
11 68 13 00-0279	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,677.38	62.62
11 68 13 00-0280	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	413.05	31.31
11 68 13 00-0281	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	394.54	31.31
11 68 13 00-0282	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	366.78	31.31
11 68 13 00-0283	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	357.53	31.31
11 68 13 00-0284	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	348.28	31.31
11 68 13 00-0285	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	339.02	31.31
11 68 13 00-0286	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	738.74	187.86
11 68 13 00-0287	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	701.73	187.86
11 68 13 00-0288	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	692.47	187.86
11 68 13 00-0289	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	422.30	31.31
11 68 13 00-0290	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	413.05	31.31
11 68 13 00-0291	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	394.54	31.31
11 68 13 00-0292	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	366.78	31.31
11 68 13 00-0293	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	357.53	31.31
11 68 13 00-0294	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	487.07	31.31
11 68 13 00-0295	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	477.82	31.31
11 68 13 00-0296	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	450.06	31.31
11 68 13 00-0297	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	440.81	31.31
11 68 13 00-0298	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	431.55	31.31
11 68 13 00-0299	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	413.05	31.31
11 68 13 00-0300	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	394.54	31.31
11 68 13 00-0301	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	366.78	31.31
11 68 13 00-0302	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,663.50	217.21
11 68 13 00-0303	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,628.72	214.41
11 68 13 00-0304	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,141.30	174.69
11 68 13 00-0305	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	2,106.40	171.78
11 68 13 00-0306	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	435.20	35.50
11 68 13 00-0307	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	417.81	34.10
11 68 13 00-0308	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	473.51	38.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0309	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	452.61	36.90
11 68 13 00-0310	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	9,006.85	313.10
11 68 13 00-0311	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,791.55	187.86
11 68 13 00-0312		Playground Equipment (Landscape Structures® Independent Pieces) *(11 68 13 00-0140)*		
11 68 13 00-0313	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	3,880.69	313.10
11 68 13 00-0314	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	4,389.60	313.10
11 68 13 00-0315	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	5,391.52	375.73
11 68 13 00-0316	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	4,044.66	250.49
11 68 13 00-0317	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	6,570.29	417.48
11 68 13 00-0318	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	4,523.22	187.86
11 68 13 00-0319	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	12,089.18	563.59
11 68 13 00-0320	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	10,897.05	375.73
11 68 13 00-0321	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	8,016.78	313.10
11 68 13 00-0322	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	9,456.91	344.42
11 68 13 00-0323	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	12,337.18	407.04
11 68 13 00-0324	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	13,777.32	438.35
11 68 13 00-0325	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	10,619.46	375.73
11 68 13 00-0326	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	7,831.72	313.10
11 68 13 00-0327	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	9,225.59	344.42
11 68 13 00-0328	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	12,013.32	407.04
11 68 13 00-0329	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	13,407.20	438.35
11 68 13 00-0330	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	439.15	52.18
11 68 13 00-0331	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	448.40	52.18
11 68 13 00-0332	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	457.65	52.18
11 68 13 00-0333	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	466.91	52.18
11 68 13 00-0334	EA	Track Ride Curved (Landscape Structures® 118093A)	4,437.36	125.24
11 68 13 00-0335	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	6,733.20	375.73
11 68 13 00-0336	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	6,548.14	375.73
11 68 13 00-0337	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	5,659.85	375.73
11 68 13 00-0338	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	5,289.73	375.73
11 68 13 00-0339	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	5,891.18	375.73
11 68 13 00-0340	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	5,706.12	375.73
11 68 13 00-0341	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	557.77	62.62
11 68 13 00-0342	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	20,211.84	751.46
11 68 13 00-0343	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	17,442.19	1,127.19
11 68 13 00-0344	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	5,836.74	626.22
11 68 13 00-0345	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	7,172.17	250.49
11 68 13 00-0346	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	11,592.11	626.22
11 68 13 00-0347	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	731.91	83.49
11 68 13 00-0348	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	2,358.01	187.86
11 68 13 00-0349	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	2,996.47	187.86
11 68 13 00-0350	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	627.70	187.86
11 68 13 00-0351	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	886.79	187.86
11 68 13 00-0352	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	1,264.68	375.73
11 68 13 00-0353	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	1,829.11	375.73
11 68 13 00-0354	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	1,264.68	375.73
11 68 13 00-0355	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	1,829.11	375.73
11 68 13 00-0356	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	5,776.05	500.97
11 68 13 00-0357	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	5,613.59	375.73
11 68 13 00-0358	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	2,573.43	250.49
11 68 13 00-0359	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	1,038.92	62.62
11 68 13 00-0360	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	906.04	93.94
11 68 13 00-0361	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	15,029.05	500.97
11 68 13 00-0362	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	15,655.68	438.35
11 68 13 00-0363	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	4,170.12	375.73
11 68 13 00-0364	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	4,271.90	375.73
11 68 13 00-0365	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	5,037.31	313.10
11 68 13 00-0366	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	3,535.74	250.49
11 68 13 00-0367	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	1,520.08	62.62
11 68 13 00-0368	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A)	2,244.40	125.24
11 68 13 00-0369	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B)	2,151.87	125.24
11 68 13 00-0370	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	596.45	52.18
11 68 13 00-0371	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	8,006.03	500.97
11 68 13 00-0372	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	2,828.43	375.73
11 68 13 00-0373	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,643.37	375.73
11 68 13 00-0374	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	3,328.10	375.73
11 68 13 00-0375	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	2,232.56	62.62
11 68 13 00-0376	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	3,107.51	187.86
11 68 13 00-0377	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	5,608.41	250.49
11 68 13 00-0378	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	8,100.06	313.10
11 68 13 00-0379	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	3,280.74	125.24
11 68 13 00-0380	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,827.34	125.24
11 68 13 00-0381	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	3,632.35	125.24
11 68 13 00-0382	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	3,132.69	125.24
11 68 13 00-0383	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	4,391.10	125.24
11 68 13 00-0384	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	3,909.94	125.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0385	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	414.73	20.88
11 68 13 00-0386	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	340.70	20.88
11 68 13 00-0387	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,547.09	156.55
11 68 13 00-0388	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,387.20	93.94
11 68 13 00-0389	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,436.05	156.55
11 68 13 00-0390	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	2,117.44	187.86
11 68 13 00-0391	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	331.45	20.88
11 68 13 00-0392	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	275.93	20.88
11 68 13 00-0393	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,787.66	156.55
11 68 13 00-0394	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,812.09	187.86
11 68 13 00-0395	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,793.58	187.86
11 68 13 00-0396	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	2,117.44	187.86
11 68 13 00-0397	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,769.16	156.55
11 68 13 00-0398	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,793.58	187.86
11 68 13 00-0399	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,669.29	219.18
11 68 13 00-0400	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,802.16	187.86
11 68 13 00-0401	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	2,419.46	219.18
11 68 13 00-0402	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	2,543.07	187.86
11 68 13 00-0403	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,824.68	156.55
11 68 13 00-0404	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,485.65	125.24
11 68 13 00-0405	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,510.08	156.55
11 68 13 00-0406	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,491.57	156.55
11 68 13 00-0407	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,824.68	156.55
11 68 13 00-0408	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,476.40	125.24
11 68 13 00-0409	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,491.57	156.55
11 68 13 00-0410	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,870.94	156.55
11 68 13 00-0411	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	2,000.48	156.55
11 68 13 00-0412	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,907.95	156.55
11 68 13 00-0413	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,587.44	125.24
11 68 13 00-0414	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,707.73	125.24
11 68 13 00-0415	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,624.45	125.24
11 68 13 00-0416	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	11,680.57	751.46
11 68 13 00-0417	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	6,249.46	313.10
11 68 13 00-0418	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	7,563.38	313.10
11 68 13 00-0419	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	22,925.15	1,252.44
11 68 13 00-0420	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	3,933.62	250.49
11 68 13 00-0421	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	2,154.45	187.86
11 68 13 00-0422	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	43,266.52	2,003.89
11 68 13 00-0423	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	23,805.27	1,502.92
11 68 13 00-0424	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	21,575.29	1,502.92
11 68 13 00-0425	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	10,319.27	500.97
11 68 13 00-0426	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,488.98	93.94
11 68 13 00-0427	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,664.79	93.94
11 68 13 00-0428	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	5,289.73	375.73
11 68 13 00-0429	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	1,118.86	93.94
11 68 13 00-0430	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	1,211.39	93.94
11 68 13 00-0431	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	5,089.48	500.97
11 68 13 00-0432	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	4,934.03	500.97
11 68 13 00-0433	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	3,210.04	250.49
11 68 13 00-0434	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	3,054.58	250.49
11 68 13 00-0435	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	2,615.62	375.73
11 68 13 00-0436	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,771.07	375.73
11 68 13 00-0437	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,886.11	187.86
11 68 13 00-0438	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	2,041.56	187.86
11 68 13 00-0439	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	3,013.49	375.73
11 68 13 00-0440	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	3,168.94	375.73
11 68 13 00-0441	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	2,283.99	187.86
11 68 13 00-0442	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	2,439.44	187.86
11 68 13 00-0443	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	1,149.96	62.62
11 68 13 00-0444	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	5,840.82	500.97
11 68 13 00-0445	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	4,100.17	250.49
11 68 13 00-0446	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	5,304.15	500.97
11 68 13 00-0447	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	3,433.96	250.49
11 68 13 00-0448	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,638.20	250.49
11 68 13 00-0449	EA	Curved Balance Beam (Landscape Structures® 100041A)	1,120.54	83.49
11 68 13 00-0450	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,981.98	156.55
11 68 13 00-0451	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	4,229.72	250.49
11 68 13 00-0452	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	4,729.38	250.49
11 68 13 00-0453	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	4,220.46	250.49
11 68 13 00-0454	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	4,720.12	250.49
11 68 13 00-0455	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	20,819.84	2,254.38
11 68 13 00-0456	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	20,209.14	2,254.38
11 68 13 00-0457	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	13,062.53	1,502.92
11 68 13 00-0458	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	13,321.62	1,502.92
11 68 13 00-0459	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,952.80	250.49
11 68 13 00-0460	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,860.27	250.49
11 68 13 00-0461	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	26.16	10.43
11 68 13 00-0462	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	83.80	10.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0463	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	1,071.69	20.88
11 68 13 00-0464	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	588.85	31.31
11 68 13 00-0465	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	588.85	31.31
11 68 13 00-0466	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	551.84	31.31
11 68 13 00-0467	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	1,134.78	31.31
11 68 13 00-0468	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	958.97	31.31
11 68 13 00-0469	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	958.97	31.31
11 68 13 00-0470	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	322.20	20.88
11 68 13 00-0471	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	798.35	62.62
11 68 13 00-0472	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	413.05	31.31
11 68 13 00-0473	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	394.54	31.31
11 68 13 00-0474	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	127.88	20.88
11 68 13 00-0475	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	120.48	20.88
11 68 13 00-0476	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	10.31	3.13
11 68 13 00-0477	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.42	
11 68 13 00-0478	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	302.01	31.31
11 68 13 00-0479	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	100.12	15.65
11 68 13 00-0480	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	348.28	31.31
11 68 13 00-0481	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	292.76	31.31
11 68 13 00-0482	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	5,071.74	250.49
11 68 13 00-0483	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	183.40	15.65
11 68 13 00-0484	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	183.40	15.65
11 68 13 00-0485	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	183.40	15.65
11 68 13 00-0486	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	183.40	15.65
11 68 13 00-0487	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	183.40	15.65
11 68 13 00-0488	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	183.40	15.65
11 68 13 00-0489	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	192.65	15.65
11 68 13 00-0490	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,623.77	125.24
11 68 13 00-0491	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,701.50	125.24
11 68 13 00-0492	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	92.53	
11 68 13 00-0493	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,818.09	125.24
11 68 13 00-0494	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,895.81	125.24
11 68 13 00-0495	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,422.11	187.86
11 68 13 00-0496	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	27,799.30	751.46
11 68 13 00-0497	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,704.52	500.97
11 68 13 00-0498	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,704.52	500.97
11 68 13 00-0499	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,142.62	125.24
11 68 13 00-0500	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,298.07	125.24
11 68 13 00-0501	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,383.20	125.24
11 68 13 00-0502	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,538.65	125.24
11 68 13 00-0503	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,233.24	62.62
11 68 13 00-0504	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,388.69	62.62
11 68 13 00-0505	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,316.51	62.62
11 68 13 00-0506	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,471.96	62.62
11 68 13 00-0507	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,235.15	125.24
11 68 13 00-0508	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,472.02	125.24
11 68 13 00-0509	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,475.72	125.24
11 68 13 00-0510	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,712.60	125.24
11 68 13 00-0511	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,307.26	62.62
11 68 13 00-0512	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,648.51	125.24
11 68 13 00-0513	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,390.54	62.62
11 68 13 00-0514	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,731.78	125.24
11 68 13 00-0515	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	2,327.68	125.24
11 68 13 00-0516	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	2,483.13	125.24
11 68 13 00-0517	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,568.26	125.24
11 68 13 00-0518	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,723.71	125.24
11 68 13 00-0519	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,409.04	62.62
11 68 13 00-0520	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,668.86	125.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0521	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,492.32	62.62
11 68 13 00-0522	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,752.14	125.24
11 68 13 00-0523	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	2,420.21	125.24
11 68 13 00-0524	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,657.08	125.24
11 68 13 00-0525	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,660.78	125.24
11 68 13 00-0526	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,897.66	125.24
11 68 13 00-0527	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,492.32	62.62
11 68 13 00-0528	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,833.57	125.24
11 68 13 00-0529	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,679.97	125.24
11 68 13 00-0530	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,916.84	125.24
11 68 13 00-0531	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	2,142.62	125.24
11 68 13 00-0532	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	2,383.20	125.24
11 68 13 00-0533	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,809.51	125.24
11 68 13 00-0534	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	2,059.34	125.24
11 68 13 00-0535	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,828.02	125.24
11 68 13 00-0536	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	2,077.85	125.24
11 68 13 00-0537	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,809.51	125.24
11 68 13 00-0538	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	2,059.34	125.24
11 68 13 00-0539	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	2,142.62	125.24
11 68 13 00-0540	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	2,383.20	125.24
11 68 13 00-0541	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,966.81	125.24
11 68 13 00-0542	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	2,188.88	125.24
11 68 13 00-0543	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	2,077.85	125.24
11 68 13 00-0544	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	2,318.42	125.24
11 68 13 00-0545	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,994.57	125.24
11 68 13 00-0546	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	2,225.89	125.24
11 68 13 00-0547	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	2,068.59	125.24
11 68 13 00-0548	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,864.35	125.24
11 68 13 00-0549	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,409.04	62.62
11 68 13 00-0550	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,418.30	62.62
11 68 13 00-0551	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,427.55	62.62
11 68 13 00-0552	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,568.26	125.24
11 68 13 00-0553	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	4,421.43	187.86
11 68 13 00-0554	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	6,681.76	250.49
11 68 13 00-0555	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	8,331.38	313.10
11 68 13 00-0556	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	413.05	31.31
11 68 13 00-0557	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	431.55	31.31
11 68 13 00-0558	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	14,594.16	500.97
11 68 13 00-0559	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	7,718.10	250.49
11 68 13 00-0560	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	7,961.26	313.10
11 68 13 00-0561	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	8,090.80	313.10
11 68 13 00-0562	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	9,848.87	313.10
11 68 13 00-0563	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	9,978.42	313.10
11 68 13 00-0564	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	10,126.46	313.10
11 68 13 00-0565	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	12,516.32	375.73
11 68 13 00-0566	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	12,664.37	375.73
11 68 13 00-0567	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	12,803.17	375.73
11 68 13 00-0568	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	2,346.18	125.24
11 68 13 00-0569	EA	Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	2,022.33	125.24
11 68 13 00-0570	EA	Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,929.12	125.24
11 68 13 00-0571	EA	Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	2,022.33	125.24
11 68 13 00-0572	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	2,290.66	125.24
11 68 13 00-0573	EA	Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,966.81	125.24
11 68 13 00-0574	EA	Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,873.60	125.24
11 68 13 00-0575	EA	Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,966.81	125.24
11 68 13 00-0576	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	3,431.36	187.86
11 68 13 00-0577	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	3,375.84	187.86
11 68 13 00-0578	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	5,895.26	250.49
11 68 13 00-0579	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	5,839.74	250.49
11 68 13 00-0580	EA	The Peak Natural Climber (Landscape Structures® 160418A)	8,534.95	313.10
11 68 13 00-0581	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	4,319.65	187.86
11 68 13 00-0582	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	10,589.11	313.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0583	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	7,810.63	250.49
11 68 13 00-0584	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	7,403.50	250.49
11 68 13 00-0585	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	7,810.63	250.49
11 68 13 00-0586	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	7,403.50	250.49
11 68 13 00-0587	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	4,217.87	187.86
11 68 13 00-0588	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	3,801.48	187.86
11 68 13 00-0589	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	9,765.60	313.10
11 68 13 00-0590	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	9,358.47	313.10
11 68 13 00-0591	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	3,801.48	187.86
11 68 13 00-0592	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	3,394.35	187.86
11 68 13 00-0593	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures®161314A)	3,699.70	187.86
11 68 13 00-0594	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	3,394.35	187.86
11 68 13 00-0595	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	4,421.43	187.86
11 68 13 00-0596	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	4,625.00	187.86
11 68 13 00-0597	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	3,496.13	187.86
11 68 13 00-0598	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	3,394.35	187.86
11 68 13 00-0599	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	4,421.43	187.86
11 68 13 00-0600	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	4,625.00	187.86
11 68 13 00-0601	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,642.96	125.24
11 68 13 00-0602	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	1,131.45	62.62
11 68 13 00-0603	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A)	1,011.16	62.62
11 68 13 00-0604	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	1,307.26	62.62
11 68 13 00-0605	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,661.46	125.24
11 68 13 00-0606	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	2,521.99	125.24
11 68 13 00-0607	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	2,707.05	125.24
11 68 13 00-0608	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,929.80	125.24
11 68 13 00-0609	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B)	1,948.30	125.24

11 68 13 00-0610 Playground Equipment (Landscape Structures® PlayBooster®) *(11 68 13 00-0140)*

11 68 13 00-0611	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A)	1,800.26	125.24
11 68 13 00-0612	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A)	1,929.80	125.24
11 68 13 00-0613	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	770.59	62.62
11 68 13 00-0614	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	733.57	62.62
11 68 13 00-0615	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	588.85	31.31
11 68 13 00-0616	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	579.60	31.31
11 68 13 00-0617	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	551.84	31.31
11 68 13 00-0618	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	542.59	31.31
11 68 13 00-0619	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	514.83	31.31
11 68 13 00-0620	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	505.58	31.31
11 68 13 00-0621	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	487.07	31.31
11 68 13 00-0622	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	477.82	31.31
11 68 13 00-0623	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	450.06	31.31
11 68 13 00-0624	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	440.81	31.31
11 68 13 00-0625	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	514.83	31.31
11 68 13 00-0626	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	496.32	31.31
11 68 13 00-0627	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	487.07	31.31
11 68 13 00-0628	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	477.82	31.31
11 68 13 00-0629	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	450.06	31.31
11 68 13 00-0630	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	440.81	31.31
11 68 13 00-0631	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	431.55	31.31
11 68 13 00-0632	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	413.05	31.31
11 68 13 00-0633	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	394.54	31.31
11 68 13 00-0634	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	366.78	31.31
11 68 13 00-0635	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	724.32	62.62
11 68 13 00-0636	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	696.56	62.62
11 68 13 00-0637	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	668.80	62.62
11 68 13 00-0638	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	598.11	31.31
11 68 13 00-0639	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	588.85	31.31
11 68 13 00-0640	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	570.35	31.31
11 68 13 00-0641	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	542.59	31.31
11 68 13 00-0642	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	533.34	31.31
11 68 13 00-0643	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	514.83	31.31
11 68 13 00-0644	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	5,816.98	208.74
11 68 13 00-0645	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	7,481.19	563.59
11 68 13 00-0646	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	2,481.64	156.55
11 68 13 00-0647	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,749.98	156.55
11 68 13 00-0648	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	3,190.78	187.86
11 68 13 00-0649	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	3,895.69	177.43
11 68 13 00-0650	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	4,439.94	187.86
11 68 13 00-0651	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	4,699.02	187.86
11 68 13 00-0652	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	5,261.80	208.74
11 68 13 00-0653	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	5,511.63	208.74
11 68 13 00-0654	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	7,374.07	271.36
11 68 13 00-0655	EA	Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A)	1,143.29	125.24
11 68 13 00-0656	EA	Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B)	1,171.05	125.24
11 68 13 00-0657	EA	Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A)	1,550.42	125.24
11 68 13 00-0658	EA	Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B)	1,596.69	125.24
11 68 13 00-0659	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	5,872.67	375.73
11 68 13 00-0660	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	6,779.46	375.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0661	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	7,306.89	375.73
11 68 13 00-0662	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	8,625.98	500.97
11 68 13 00-0663	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	8,838.79	500.97
11 68 13 00-0664	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	10,337.78	500.97
11 68 13 00-0665	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	12,184.30	626.22
11 68 13 00-0666	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	9,630.14	281.80
11 68 13 00-0667	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	12,112.52	344.42
11 68 13 00-0668	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	2,114.86	125.24
11 68 13 00-0669	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,802.16	187.86
11 68 13 00-0670	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	3,126.01	187.86
11 68 13 00-0671	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	3,486.88	187.86
11 68 13 00-0672	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	3,952.13	250.49
11 68 13 00-0673	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	4,118.68	250.49
11 68 13 00-0674	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	4,710.87	250.49
11 68 13 00-0675	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	5,629.51	313.10
11 68 13 00-0676	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	8,379.48	469.67
11 68 13 00-0677	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	8,708.34	427.92
11 68 13 00-0678	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	7,602.23	469.67
11 68 13 00-0679	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	7,903.33	427.92
11 68 13 00-0680	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	3,009.06	156.55
11 68 13 00-0681	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	3,277.40	156.55
11 68 13 00-0682	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	4,054.65	156.55
11 68 13 00-0683	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	3,332.92	156.55
11 68 13 00-0684	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	3,601.25	156.55
11 68 13 00-0685	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	4,397.01	156.55
11 68 13 00-0686	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	3,397.69	156.55
11 68 13 00-0687	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	3,601.25	156.55
11 68 13 00-0688	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	4,145.52	177.43
11 68 13 00-0689	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	4,384.42	187.86
11 68 13 00-0690	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	4,902.59	187.86
11 68 13 00-0691	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	5,078.40	187.86
11 68 13 00-0692	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	6,700.27	250.49
11 68 13 00-0693	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	1,214.73	62.62
11 68 13 00-0694	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	2,145.95	93.94
11 68 13 00-0695	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	4,856.32	187.86
11 68 13 00-0696	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	3,121.03	240.05
11 68 13 00-0697	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	3,639.19	240.05
11 68 13 00-0698	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	3,537.41	240.05
11 68 13 00-0699	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	4,074.08	240.05
11 68 13 00-0700	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	3,849.42	177.43
11 68 13 00-0701	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	3,773.72	187.86
11 68 13 00-0702	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	4,051.31	187.86
11 68 13 00-0703	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	4,550.97	187.86
11 68 13 00-0704	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	4,819.31	187.86
11 68 13 00-0705	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,821.34	187.86
11 68 13 00-0706	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,923.12	187.86
11 68 13 00-0707	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	2,052.66	187.86
11 68 13 00-0708	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	2,487.56	187.86
11 68 13 00-0709	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	2,589.34	187.86
11 68 13 00-0710	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,718.88	187.86
11 68 13 00-0711	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,820.66	187.86
11 68 13 00-0712	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	4,044.66	250.49
11 68 13 00-0713	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	5,210.53	250.49
11 68 13 00-0714	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	5,895.26	250.49
11 68 13 00-0715	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	7,384.99	250.49
11 68 13 00-0716	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,663.26	250.49
11 68 13 00-0717	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	5,895.26	250.49
11 68 13 00-0718	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	5,099.50	250.49
11 68 13 00-0719	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	7,107.40	250.49
11 68 13 00-0720	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,663.26	250.49
11 68 13 00-0721	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	6,219.11	250.49
11 68 13 00-0722	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	3,126.01	187.86
11 68 13 00-0723	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	4,060.56	187.86
11 68 13 00-0724	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,435.38	156.55
11 68 13 00-0725	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	2,085.43	146.12
11 68 13 00-0726	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,807.16	146.12
11 68 13 00-0727	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,483.31	146.12
11 68 13 00-0728	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,204.05	156.55
11 68 13 00-0729	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,315.09	156.55
11 68 13 00-0730	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,407.62	156.55
11 68 13 00-0731	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,389.79	156.55
11 68 13 00-0732	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,463.81	156.55
11 68 13 00-0733	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,584.10	156.55
11 68 13 00-0734	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,787.66	156.55

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11 68 13 00-0735	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,861.69	156.55
11 68 13 00-0736	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,963.47	156.55
11 68 13 00-0737	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,407.62	156.55
11 68 13 00-0738	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,426.12	156.55
11 68 13 00-0739	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,861.01	156.55
11 68 13 00-0740	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,879.52	156.55
11 68 13 00-0741	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,796.24	156.55
11 68 13 00-0742	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,842.51	156.55
11 68 13 00-0743	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,277.40	156.55
11 68 13 00-0744	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,305.16	156.55
11 68 13 00-0745	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,491.45	219.18
11 68 13 00-0746	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,492.13	219.18
11 68 13 00-0747	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,568.93	125.24
11 68 13 00-0748	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,772.50	125.24
11 68 13 00-0749	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,976.06	125.24
11 68 13 00-0750	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,235.15	125.24
11 68 13 00-0751	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,355.25	281.80
11 68 13 00-0752	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,410.90	93.94
11 68 13 00-0753	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,329.47	250.49
11 68 13 00-0754	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,329.47	250.49
11 68 13 00-0755	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,329.47	250.49
11 68 13 00-0756	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,410.90	93.94
11 68 13 00-0757	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,668.69	125.24
11 68 13 00-0758	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,572.78	125.24
11 68 13 00-0759	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,285.30	156.55
11 68 13 00-0760	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	237.24	31.31
11 68 13 00-0761	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	274.25	31.31
11 68 13 00-0762	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	1,042.25	31.31
11 68 13 00-0763	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	366.78	31.31
11 68 13 00-0764	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	3,274.06	187.86
11 68 13 00-0765	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	3,514.64	187.86
11 68 13 00-0766	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	3,681.19	187.86
11 68 13 00-0767	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	4,023.55	187.86
11 68 13 00-0768	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	3,681.19	187.86
11 68 13 00-0769	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,949.53	187.86
11 68 13 00-0770	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,840.60	93.94
11 68 13 00-0771	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,617.85	93.94
11 68 13 00-0772	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	3,404.35	93.94
11 68 13 00-0773	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	4,181.61	93.94
11 68 13 00-0774	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,775.83	93.94
11 68 13 00-0775	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	2,034.91	93.94
11 68 13 00-0776	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	2,303.25	93.94
11 68 13 00-0777	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	2,414.28	93.94
11 68 13 00-0778	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	2,127.44	93.94
11 68 13 00-0779	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	2,405.03	93.94
11 68 13 00-0780	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,664.11	93.94
11 68 13 00-0781	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,923.20	93.94
11 68 13 00-0782	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	5,038.05	219.18
11 68 13 00-0783	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	5,167.60	219.18
11 68 13 00-0784	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	5,093.57	219.18
11 68 13 00-0785	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	5,861.57	219.18
11 68 13 00-0786	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	5,991.11	219.18
11 68 13 00-0787	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	5,935.60	219.18
11 68 13 00-0788	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,944.97	156.55
11 68 13 00-0789	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	2,139.28	156.55
11 68 13 00-0790	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	2,342.84	156.55
11 68 13 00-0791	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	2,515.31	187.86
11 68 13 00-0792	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,718.88	187.86
11 68 13 00-0793	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	2,913.19	187.86
11 68 13 00-0794	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	2,352.10	156.55
11 68 13 00-0795	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	2,537.16	156.55
11 68 13 00-0796	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,749.98	156.55
11 68 13 00-0797	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,346.86	125.24
11 68 13 00-0798	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,753.99	125.24
11 68 13 00-0799	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,568.93	125.24
11 68 13 00-0800	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,698.47	125.24
11 68 13 00-0801	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,976.06	125.24
11 68 13 00-0802	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	2,087.10	125.24
11 68 13 00-0803	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	1,166.81	83.49
11 68 13 00-0804	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	1,287.09	83.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0805	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,435.14	83.49
11 68 13 00-0806	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,720.31	93.94
11 68 13 00-0807	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,942.38	93.94
11 68 13 00-0808	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	2,145.95	93.94
11 68 13 00-0809	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	2,423.53	93.94
11 68 13 00-0810	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	2,525.32	93.94
11 68 13 00-0811	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,617.85	93.94
11 68 13 00-0812	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,932.45	93.94
11 68 13 00-0813	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	3,034.23	93.94
11 68 13 00-0814	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	2,490.89	156.55
11 68 13 00-0815	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,611.18	156.55
11 68 13 00-0816	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	3,412.86	187.86
11 68 13 00-0817	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	3,560.90	187.86
11 68 13 00-0818	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,898.02	156.55
11 68 13 00-0819	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	3,009.06	156.55
11 68 13 00-0820	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,319.10	125.24
11 68 13 00-0821	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,772.50	125.24
11 68 13 00-0822	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	2,233.48	146.12
11 68 13 00-0823	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,696.13	146.12
11 68 13 00-0824	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	2,151.87	125.24
11 68 13 00-0825	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	2,290.66	125.24
11 68 13 00-0826	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,614.52	125.24
11 68 13 00-0827	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,938.38	125.24
11 68 13 00-0828	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,568.26	125.24
11 68 13 00-0829	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,697.80	125.24
11 68 13 00-0830	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	3,021.65	125.24
11 68 13 00-0831	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	3,354.76	125.24
11 68 13 00-0832	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,591.86	187.86
11 68 13 00-0833	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,883.53	125.24
11 68 13 00-0834	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,061.92	187.86
11 68 13 00-0835	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	8,413.16	500.97
11 68 13 00-0836	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	8,413.16	500.97
11 68 13 00-0837	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,679.97	125.24
11 68 13 00-0838	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,679.97	125.24
11 68 13 00-0839	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,855.77	125.24
11 68 13 00-0840	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,855.77	125.24
11 68 13 00-0841	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	1,081.85	93.94
11 68 13 00-0842	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,165.13	93.94
11 68 13 00-0843	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,220.65	93.94
11 68 13 00-0844	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,294.67	93.94
11 68 13 00-0845	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,701.80	93.94
11 68 13 00-0846	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,775.83	93.94
11 68 13 00-0847	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,840.60	93.94
11 68 13 00-0848	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,923.87	93.94
11 68 13 00-0849	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,479.73	93.94
11 68 13 00-0850	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,535.25	93.94
11 68 13 00-0851	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,618.52	93.94
11 68 13 00-0852	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,701.80	93.94
11 68 13 00-0853	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,250.99	156.55
11 68 13 00-0854	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,297.26	156.55
11 68 13 00-0855	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,380.53	156.55
11 68 13 00-0856	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,750.65	156.55
11 68 13 00-0857	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,824.68	156.55
11 68 13 00-0858	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,880.20	156.55
11 68 13 00-0859	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,944.97	156.55
11 68 13 00-0860	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	2,009.74	156.55
11 68 13 00-0861	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,074.51	156.55
11 68 13 00-0862	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,463.81	156.55
11 68 13 00-0863	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,537.83	156.55
11 68 13 00-0864	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,584.10	156.55
11 68 13 00-0865	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,630.36	156.55
11 68 13 00-0866	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,685.88	156.55
11 68 13 00-0867	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,769.16	156.55
11 68 13 00-0868	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,521.99	125.24
11 68 13 00-0869	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,775.83	93.94
11 68 13 00-0870	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,560.90	187.86
11 68 13 00-0871	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	890.87	62.62
11 68 13 00-0872	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,521.99	125.24
11 68 13 00-0873	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,541.72	187.86
11 68 13 00-0874	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,601.25	156.55
11 68 13 00-0875	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,412.86	187.86
11 68 13 00-0876	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,823.32	156.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0877	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,463.13	156.55
11 68 13 00-0878	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,566.34	62.62
11 68 13 00-0879	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,529.33	62.62
11 68 13 00-0880	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,612.61	62.62
11 68 13 00-0881	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,242.49	62.62
11 68 13 00-0882	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,723.65	62.62
11 68 13 00-0883	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,381.28	62.62
11 68 13 00-0884	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,760.66	62.62
11 68 13 00-0885	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,601.25	156.55
11 68 13 00-0886	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,529.33	62.62
11 68 13 00-0887	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,652.27	31.31
11 68 13 00-0888	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,266.23	93.94
11 68 13 00-0889	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	2,007.15	93.94
11 68 13 00-0890	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,716.98	125.24
11 68 13 00-0891	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,809.51	125.24
11 68 13 00-0892	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,391.77	125.24
11 68 13 00-0893	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,817.41	125.24
11 68 13 00-0894	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,837.09	281.80
11 68 13 00-0895	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	6,156.93	313.10
11 68 13 00-0896	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	13,340.93	626.22
11 68 13 00-0897	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,306.89	375.73
11 68 13 00-0898	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,908.03	62.62
11 68 13 00-0899	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,102.34	62.62
11 68 13 00-0900	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,655.42	156.55
11 68 13 00-0901	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,293.20	156.55
11 68 13 00-0902	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,960.21	93.94
11 68 13 00-0903	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,461.04	250.49
11 68 13 00-0904	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	5,164.27	250.49
11 68 13 00-0905	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	440.81	31.31
11 68 13 00-0906	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	656.21	93.94
11 68 13 00-0907	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	804.26	93.94
11 68 13 00-0908	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	637.71	93.94
11 68 13 00-0909	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,828.56	187.86
11 68 13 00-0910	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	6,120.66	219.18
11 68 13 00-0911	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	6,947.50	187.86
11 68 13 00-0912	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,502.00	187.86
11 68 13 00-0913	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	4,172.71	438.35
11 68 13 00-0914	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	5,794.56	500.97
11 68 13 00-0915	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	5,794.56	500.97
11 68 13 00-0916	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,342.24	62.62
11 68 13 00-0917	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,834.01	62.62
11 68 13 00-0918	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,242.97	219.18
11 68 13 00-0919	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,604.59	125.24
11 68 13 00-0920	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,280.06	125.24
11 68 13 00-0921	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,753.32	125.24
11 68 13 00-0922	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	7,033.38	250.49
11 68 13 00-0923	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	7,033.38	250.49
11 68 13 00-0924	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	7,033.38	250.49
11 68 13 00-0925	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	7,033.38	250.49
11 68 13 00-0926	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,492.13	219.18
11 68 13 00-0927	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,973.96	219.18
11 68 13 00-0928	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	4,103.50	219.18
11 68 13 00-0929	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,203.14	83.49
11 68 13 00-0930	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,092.11	83.49
11 68 13 00-0931	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,473.14	62.62
11 68 13 00-0932	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,908.71	62.62
11 68 13 00-0933	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,833.02	83.49
11 68 13 00-0934	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,694.23	83.49

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11 68 13 00-0935	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,122.20	62.62
11 68 13 00-0936	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	826.10	62.62
11 68 13 00-0937	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	835.36	62.62
11 68 13 00-0938	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,612.61	62.62
11 68 13 00-0939	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,305.60	83.49
11 68 13 00-0940	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	1,001.91	62.62
11 68 13 00-0941	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	1,001.91	62.62
11 68 13 00-0942	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,529.33	62.62
11 68 13 00-0943	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,464.56	62.62
11 68 13 00-0944	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,732.90	62.62
11 68 13 00-0945	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	2,066.01	62.62
11 68 13 00-0946	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,908.71	62.62
11 68 13 00-0947	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	1,020.42	62.62
11 68 13 00-0948	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,711.05	93.94
11 68 13 00-0949	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,970.14	93.94
11 68 13 00-0950	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,242.49	62.62
11 68 13 00-0951	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,436.80	62.62
11 68 13 00-0952	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,149.96	62.62
11 68 13 00-0953	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	964.90	62.62
11 68 13 00-0954	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	918.63	62.62
11 68 13 00-0955	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,579.85	114.81
11 68 13 00-0956	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,127.44	93.94
11 68 13 00-0957	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,444.40	83.49
11 68 13 00-0958	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	826.10	62.62
11 68 13 00-0959	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	853.86	62.62
11 68 13 00-0960	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	413.05	31.31
11 68 13 00-0961	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	207.46	20.88
11 68 13 00-0962	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,086.86	52.18
11 68 13 00-0963	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,298.01	62.62
11 68 13 00-0964	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	937.14	62.62
11 68 13 00-0965	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,371.35	62.62
11 68 13 00-0966	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,066.01	62.62
11 68 13 00-0967	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,584.17	62.62
11 68 13 00-0968	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	853.86	62.62
11 68 13 00-0969	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	916.97	83.49
11 68 13 00-0970	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,094.44	62.62
11 68 13 00-0971	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,176.06	83.49
11 68 13 00-0972	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	909.38	62.62
11 68 13 00-0973	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,168.47	62.62
11 68 13 00-0974	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	733.57	62.62
11 68 13 00-0975	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	935.48	83.49
11 68 13 00-0976	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	894.20	31.31
11 68 13 00-0977	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	640.21	31.31
11 68 13 00-0978	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	1,171.79	31.31
11 68 13 00-0979	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,984.40	52.18
11 68 13 00-0980	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	1,068.35	52.18
11 68 13 00-0981	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,632.78	52.18
11 68 13 00-0982	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	1,223.98	62.62
11 68 13 00-0983	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,492.32	62.62
11 68 13 00-0984	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	3,009.81	62.62
11 68 13 00-0985	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	3,239.48	83.49
11 68 13 00-0986	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,871.69	62.62
11 68 13 00-0987	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A)	953.99	83.49
11 68 13 00-0988	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,157.55	83.49
11 68 13 00-0989	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,222.32	83.49
11 68 13 00-0990	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,425.89	83.49
11 68 13 00-0991	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	1,020.42	62.62
11 68 13 00-0992	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	1,288.75	62.62
11 68 13 00-0993	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A)	644.37	31.31
11 68 13 00-0994	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	248.17	20.88
11 68 13 00-0995	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	275.93	20.88
11 68 13 00-0996	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	355.87	52.18
11 68 13 00-0997	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A)	346.62	52.18
11 68 13 00-0998	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,857.44	114.81
11 68 13 00-0999	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	795.01	93.94
11 68 13 00-1000	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	739.49	93.94
11 68 13 00-1001	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	955.65	62.62
11 68 13 00-1002	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	2,562.33	93.94
11 68 13 00-1003	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	903.46	31.31
11 68 13 00-1004	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	958.97	31.31
11 68 13 00-1005	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	681.38	31.31
11 68 13 00-1006	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	690.64	31.31
11 68 13 00-1007	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	699.89	31.31
11 68 13 00-1008	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	709.14	31.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1009	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	718.40	31.31
11 68 13 00-1010	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	736.90	31.31
11 68 13 00-1011	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	746.16	31.31
11 68 13 00-1012	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	764.66	31.31
11 68 13 00-1013	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	773.91	31.31
11 68 13 00-1014	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	1,070.01	31.31
11 68 13 00-1015	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	3,239.64	250.49
11 68 13 00-1016	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	4,562.82	250.49
11 68 13 00-1017	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	3,745.96	187.86
11 68 13 00-1018	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	3,995.79	187.86
11 68 13 00-1019	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	6,231.69	219.18
11 68 13 00-1020	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	386.97	20.88
11 68 13 00-1021	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	15,418.78	751.46
11 68 13 00-1022	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	5,059.49	626.22
11 68 13 00-1023	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	26,408.34	1,127.19
11 68 13 00-1024	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B)	20,606.71	1,127.19
11 68 13 00-1025	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C)	19,487.10	1,127.19
11 68 13 00-1026	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D)	26,565.64	1,127.19
11 68 13 00-1027	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E)	20,764.01	1,127.19
11 68 13 00-1028	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	19,653.65	1,127.19
11 68 13 00-1029	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A)	1,353.53	62.62
11 68 13 00-1030	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A)	1,298.01	62.62
11 68 13 00-1031	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A)	1,260.99	62.62
11 68 13 00-1032	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A)	1,023.74	31.31
11 68 13 00-1033	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A)	3,823.32	156.55
11 68 13 00-1034	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A)	1,012.83	52.18
11 68 13 00-1035	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A)	1,088.52	31.31
11 68 13 00-1036	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A)	761.33	62.62
11 68 13 00-1037	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A)	614.95	52.18
11 68 13 00-1038	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B)	763.00	52.18
11 68 13 00-1039	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A)	3,313.67	250.49
11 68 13 00-1040	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B)	3,757.81	250.49
11 68 13 00-1041	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C)	3,942.87	250.49
11 68 13 00-1042	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A)	3,665.28	250.49
11 68 13 00-1043	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B)	4,100.17	250.49
11 68 13 00-1044	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C)	4,257.48	250.49
11 68 13 00-1045	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,945.72	62.62
11 68 13 00-1046	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B)	1,880.95	62.62
11 68 13 00-1047	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C)	1,806.92	62.62
11 68 13 00-1048	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D)	1,788.42	62.62
11 68 13 00-1049	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E)	1,668.13	62.62
11 68 13 00-1050	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J)	642.71	52.18
11 68 13 00-1051	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K)	624.21	52.18
11 68 13 00-1052	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L)	614.95	52.18
11 68 13 00-1053	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M)	605.70	52.18
11 68 13 00-1054	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N)	596.45	52.18
11 68 13 00-1055	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O)	577.94	52.18
11 68 13 00-1056	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	568.69	52.18
11 68 13 00-1057	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	559.44	52.18
11 68 13 00-1058	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	540.93	52.18
11 68 13 00-1059	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	605.70	52.18
11 68 13 00-1060	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	596.45	52.18
11 68 13 00-1061	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	577.94	52.18
11 68 13 00-1062	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	568.69	52.18
11 68 13 00-1063	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	559.44	52.18
11 68 13 00-1064	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	540.93	52.18
11 68 13 00-1065	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	531.68	52.18
11 68 13 00-1066	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	522.42	52.18
11 68 13 00-1067	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	513.17	52.18
11 68 13 00-1068	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	477.82	31.31
11 68 13 00-1069	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	794.27	31.31
11 68 13 00-1070	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	440.81	31.31
11 68 13 00-1071	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	431.55	31.31
11 68 13 00-1072	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	422.30	31.31
11 68 13 00-1073	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	413.05	31.31
11 68 13 00-1074	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	394.54	31.31
11 68 13 00-1075	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	366.78	31.31
11 68 13 00-1076	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	348.28	31.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1077	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	339.02	31.31
11 68 13 00-1078	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	542.59	31.31
11 68 13 00-1079	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	625.87	31.31
11 68 13 00-1080	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	551.84	31.31
11 68 13 00-1081	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	542.59	31.31
11 68 13 00-1082	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	533.34	31.31
11 68 13 00-1083	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	514.83	31.31
11 68 13 00-1084	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	505.58	31.31
11 68 13 00-1085	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	496.32	31.31
11 68 13 00-1086	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	487.07	31.31
11 68 13 00-1087	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	477.82	31.31
11 68 13 00-1088	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	450.06	31.31
11 68 13 00-1089	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	440.81	31.31
11 68 13 00-1090	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	2,415.31	1,127.19
11 68 13 00-1091	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	2,424.57	1,127.19
11 68 13 00-1092	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	2,443.07	1,127.19
11 68 13 00-1093	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	2,246.58	626.22
11 68 13 00-1094	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	2,191.06	626.22
11 68 13 00-1095	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	2,163.30	626.22
11 68 13 00-1096	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	2,006.00	626.22
11 68 13 00-1097	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	1,968.99	626.22
11 68 13 00-1098	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	729.87	62.62
11 68 13 00-1099	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,892.79	125.24
11 68 13 00-1100	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,633.70	125.24
11 68 13 00-1101	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	3,953.77	187.86
11 68 13 00-1102	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	4,134.59	187.86
11 68 13 00-1103	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	5,580.14	250.49
11 68 13 00-1104	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	5,210.53	250.49
11 68 13 00-1105	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	733.57	62.62
11 68 13 00-1106	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	705.81	62.62
11 68 13 00-1107	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	678.06	62.62
11 68 13 00-1108	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	668.80	62.62
11 68 13 00-1109	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	598.11	31.31
11 68 13 00-1110	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	579.60	31.31
11 68 13 00-1111	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	551.84	31.31
11 68 13 00-1112	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	542.59	31.31
11 68 13 00-1113	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	533.34	31.31
11 68 13 00-1114	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,818.76	125.24
11 68 13 00-1115	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	5,951.98	250.49
11 68 13 00-1116	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	5,580.14	250.49
11 68 13 00-1117	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	5,761.74	250.49
11 68 13 00-1118	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	5,960.03	250.49
11 68 13 00-1119	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	27,799.30	751.46
11 68 13 00-1120	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	15,704.52	500.97
11 68 13 00-1121	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,381.28	62.62
11 68 13 00-1122	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	4,921.09	187.86
11 68 13 00-1123	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	4,421.43	187.86
11 68 13 00-1124	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	5,747.21	250.49
11 68 13 00-1125	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	5,534.39	250.49
11 68 13 00-1126	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	4,939.60	187.86
11 68 13 00-1127	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	4,699.02	187.86
11 68 13 00-1128	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	4,199.36	187.86
11 68 13 00-1129	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	6,792.80	250.49
11 68 13 00-1130	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	733.57	62.62
11 68 13 00-1131	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	1,094.44	62.62
11 68 13 00-1132	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	1,214.73	62.62
11 68 13 00-1133	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,828.02	125.24
11 68 13 00-1134	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	1,957.56	125.24
11 68 13 00-1135	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	2,050.09	125.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1136	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	2,151.87	125.24
11 68 13 00-1137	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	3,089.00	187.86
11 68 13 00-1138	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	1,957.56	125.24
11 68 13 00-1139	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,772.50	125.24
11 68 13 00-1140	EA	Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,464.56	62.62
11 68 13 00-1141	EA	Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	1,140.71	62.62
11 68 13 00-1142	EA	Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	2,151.87	125.24
11 68 13 00-1143	EA	Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	1,140.71	62.62
11 68 13 00-1144	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	2,947.63	125.24
11 68 13 00-1145	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,919.87	125.24
11 68 13 00-1146	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	9,006.85	313.10
11 68 13 00-1147	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	9,478.75	313.10
11 68 13 00-1148	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	4,791.55	187.86
11 68 13 00-1149	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	5,626.92	250.49
11 68 13 00-1150	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	835.36	62.62
11 68 13 00-1151	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	4,856.32	187.86
11 68 13 00-1152	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	9,599.04	313.10
11 68 13 00-1153	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	3,089.00	187.86
11 68 13 00-1154	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	1,316.51	62.62
11 68 13 00-1155	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	1,186.97	62.62
11 68 13 00-1156	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	1,196.22	62.62
11 68 13 00-1157	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,670.04	125.24
11 68 13 00-1158	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	2,124.11	125.24
11 68 13 00-1159	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	1,112.95	62.62
11 68 13 00-1160	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	1,298.01	62.62
11 68 13 00-1161	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	1,214.73	62.62
11 68 13 00-1162		**Playground Equipment (Landscape Structures® Evos™)** *(11 68 13 00-0140)*		
11 68 13 00-1163	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	1,011.16	62.62
11 68 13 00-1164	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	1,186.97	62.62
11 68 13 00-1165	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	4,541.72	187.86
11 68 13 00-1166	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	3,496.13	187.86
11 68 13 00-1167	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	8,253.85	177.43
11 68 13 00-1168	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	6,367.16	250.49
11 68 13 00-1169	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	4,258.22	156.55
11 68 13 00-1170	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	8,807.35	187.86
11 68 13 00-1171	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	2,068.59	125.24
11 68 13 00-1172	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,701.13	93.94
11 68 13 00-1173	EA	E-Pod Step (Landscape Structures® Evos™ 156454A)	423.98	20.88
11 68 13 00-1174	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,908.71	62.62
11 68 13 00-1175	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,382.95	52.18
11 68 13 00-1176	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,392.21	52.18
11 68 13 00-1177	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,401.46	52.18
11 68 13 00-1178	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	7,909.08	281.80
11 68 13 00-1179	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	8,168.90	187.86
11 68 13 00-1180	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	3,567.58	125.24
11 68 13 00-1181	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	3,842.58	62.62
11 68 13 00-1182	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	33,536.16	751.46
11 68 13 00-1183	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	37,771.03	1,127.19
11 68 13 00-1184	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	4,244.14	375.73
11 68 13 00-1185	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,929.80	125.24
11 68 13 00-1186	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,948.30	125.24
11 68 13 00-1187	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,298.01	62.62
11 68 13 00-1188	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,196.22	62.62
11 68 13 00-1189	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	1,020.42	62.62
11 68 13 00-1190	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	2,114.86	125.24
11 68 13 00-1191	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,094.44	62.62
11 68 13 00-1192	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,763.24	125.24
11 68 13 00-1193	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	687.31	62.62
11 68 13 00-1194	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	946.39	62.62
11 68 13 00-1195	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,223.98	62.62
11 68 13 00-1196	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,864.35	125.24
11 68 13 00-1197	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,496.13	187.86
11 68 13 00-1198	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	6,209.86	250.49
11 68 13 00-1199	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,549.75	125.24
11 68 13 00-1200	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,781.07	125.24
11 68 13 00-1201	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	38,307.72	1,127.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1202	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	41,916.39	1,127.19
11 68 13 00-1203	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,449.19	187.86
11 68 13 00-1204	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	8,275.86	313.10
11 68 13 00-1205	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,976.06	125.24
11 68 13 00-1206	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,484.98	125.24
11 68 13 00-1207	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,484.98	125.24
11 68 13 00-1208		**Playground Equipment (Landscape Structures® Weevos™)** *(11 68 13 00-0140)*		
11 68 13 00-1209	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	1,011.16	62.62
11 68 13 00-1210	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,596.01	125.24
11 68 13 00-1211		**Playground Equipment (Landscape Structures® Parts)** *(11 68 13 00-0140)*		
11 68 13 00-1212	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	105.85	31.31
11 68 13 00-1213	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	111.40	31.31
11 68 13 00-1214	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	104.00	31.31
11 68 13 00-1215	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	12.28	6.26
11 68 13 00-1216	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	12.28	6.26
11 68 13 00-1217	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	12.28	6.26
11 68 13 00-1218	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	12.28	6.26
11 68 13 00-1219	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	165.07	31.31
11 68 13 00-1220	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	85.65	12.53
11 68 13 00-1221	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	52.34	12.53
11 68 13 00-1222	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	54.19	12.53
11 68 13 00-1223	EA	2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	109.38	15.65
11 68 13 00-1224	EA	3-1/2" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	109.38	15.65
11 68 13 00-1225	EA	TenderTuff Repair Kit (Landscape Structures® 138717A)	12.03	
11 68 13 00-1226	EA	Anti-Wrap, 2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	144.54	15.65
11 68 13 00-1227	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	91.20	12.53
11 68 13 00-1228	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	109.55	31.31
11 68 13 00-1229	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	99.37	31.31
11 68 13 00-1230	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	135.46	31.31
11 68 13 00-1231	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	94.74	31.31
11 68 13 00-1232	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	104.00	31.31
11 68 13 00-1233	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	113.25	31.31
11 68 13 00-1234	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	122.50	31.31
11 68 13 00-1235	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	141.01	31.31
11 68 13 00-1236	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	97.52	31.31
11 68 13 00-1237	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	163.22	31.31
11 68 13 00-1238	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	816.85	62.62
11 68 13 00-1239	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	320.52	31.31
11 68 13 00-1240	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	311.26	31.31
11 68 13 00-1241	EA	Nylon Basketball Net (Landscape Structures® 100082A)	52.01	15.65
11 68 13 00-1242	EA	Chain Basketball Net (Landscape Structures® 100083A)	64.96	15.65
11 68 13 00-1243	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,464.56	62.62
11 68 13 00-1244	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,214.73	62.62
11 68 13 00-1245	EA	Warning Label (Landscape Structures® 115176A)	0.19	
11 68 13 00-1246	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	62.92	
11 68 13 00-1247	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	136.94	
11 68 13 00-1248	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	798.35	62.62
11 68 13 00-1249	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	165.07	31.31
11 68 13 00-1250	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	946.39	62.62
11 68 13 00-1251		**Playground Equipment (Landscape Structures® Site Furniture)** *(11 68 13 00-0140)*		
11 68 13 00-1252	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,579.85	114.81
11 68 13 00-1253	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	813.51	93.94
11 68 13 00-1254	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,385.54	114.81
11 68 13 00-1255	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	795.01	93.94
11 68 13 00-1256	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,273.83	114.81
11 68 13 00-1257	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	1,063.34	93.94
11 68 13 00-1258	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,977.73	114.81
11 68 13 00-1259	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	1,035.59	93.94
11 68 13 00-1260	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	378.62	93.94
11 68 13 00-1261	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	226.87	93.94
11 68 13 00-1262	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	282.22	83.49
11 68 13 00-1263	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	989.32	93.94
11 68 13 00-1264	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	852.20	83.49
11 68 13 00-1265	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	852.20	83.49
11 68 13 00-1266	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	511.50	62.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1267	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	761.33	62.62
11 68 13 00-1268	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,492.74	313.10
11 68 13 00-1269	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,400.21	313.10
11 68 13 00-1270	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,270.67	313.10
11 68 13 00-1271	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	3,112.69	313.10
11 68 13 00-1272	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	3,010.91	313.10
11 68 13 00-1273	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,872.11	313.10
11 68 13 00-1274	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,613.03	313.10
11 68 13 00-1275	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,492.74	313.10
11 68 13 00-1276	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,363.20	313.10
11 68 13 00-1277	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	3,232.98	313.10
11 68 13 00-1278	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	3,112.69	313.10
11 68 13 00-1279	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,964.64	313.10
11 68 13 00-1280	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	813.51	93.94
11 68 13 00-1281	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	896.79	93.94
11 68 13 00-1282	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	878.28	93.94
11 68 13 00-1283	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	961.56	93.94
11 68 13 00-1284	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,202.14	93.94
11 68 13 00-1285	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,118.86	93.94
11 68 13 00-1286	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,276.16	93.94
11 68 13 00-1287	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,192.89	93.94
11 68 13 00-1288	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	168.60	20.88
11 68 13 00-1289	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	835.36	62.62
11 68 13 00-1290	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	853.86	62.62
11 68 13 00-1291	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	539.26	62.62
11 68 13 00-1292	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	567.02	62.62
11 68 13 00-1293	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	853.86	62.62
11 68 13 00-1294	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	890.87	62.62
11 68 13 00-1295	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	567.02	62.62
11 68 13 00-1296	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	604.03	62.62
11 68 13 00-1297	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,944.22	250.49
11 68 13 00-1298	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	2,036.76	250.49
11 68 13 00-1299	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	2,046.01	250.49
11 68 13 00-1300	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	2,184.80	250.49
11 68 13 00-1301	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	1,999.74	250.49
11 68 13 00-1302	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	2,110.78	250.49
11 68 13 00-1303	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,882.62	52.18
11 68 13 00-1304	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,706.81	52.18
11 68 13 00-1305	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,558.76	52.18
11 68 13 00-1306	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	826.10	62.62
11 68 13 00-1307	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	705.81	62.62
11 68 13 00-1308	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	955.65	62.62

11 68 13 00-1309 Playground Equipment (Little Tikes) *(11 68 13)*

11 68 13 00-1310	EA	Kid Builders Play Structure (Little Tikes 80)	105,363.91	6,544.92
11 68 13 00-1311	EA	Kid Builders Ship (Little Tikes 81)	54,854.52	3,400.50
11 68 13 00-1312	EA	Kid Builders Ship (Little Tikes 81, Version 2)	57,205.96	3,547.00
11 68 13 00-1313	EA	Kid Builders Ship (Little Tikes 82)	37,031.83	2,297.00
11 68 13 00-1314	EA	Kid Builders Play (Little Tikes 82, Version 2)	37,597.15	2,331.19
11 68 13 00-1315	EA	Kid Builders Castle (Little Tikes 83)	18,229.34	1,129.44
11 68 13 00-1316	EA	Kid Builders Castle (Little Tikes 84)	134,254.76	8,320.47
11 68 13 00-1317	EA	Kid Builders Castle (Little Tikes 85)	73,295.85	4,547.27
11 68 13 00-1318	EA	Kid Builders Frontier Village (Little Tikes 86, Phase 1)	35,715.73	2,215.61
11 68 13 00-1319	EA	Kid Builders Frontier Village (Little Tikes 86, Phase 2)	43,216.27	2,683.10
11 68 13 00-1320	EA	Kid Builders Frontier Village (Little Tikes 87)	37,109.56	2,300.38
11 68 13 00-1321	EA	Kid Builders Play Structure (Little Tikes 88, Phase 1)	68,809.81	4,273.85
11 68 13 00-1322	EA	Kid Builders Play Structure (Little Tikes 88, Phase 2)	29,694.74	1,840.29
11 68 13 00-1323	EA	Kid Builders Play Structure (Little Tikes 89)	79,062.37	4,903.57
11 68 13 00-1324	EA	Kid Builders Play Structure (Little Tikes 89, Version 2)	68,403.15	4,239.10
11 68 13 00-1325	EA	Kid Builders Play Structure (Little Tikes 90)	80,584.78	4,997.62
11 68 13 00-1326	EA	Kid Builders Play Structure (Little Tikes 91, Phase 1)	40,108.85	2,486.86
11 68 13 00-1327	EA	Kid Builders Play Structure (Little Tikes 91, Phase 2)	35,858.85	2,225.06
11 68 13 00-1328	EA	Kid Builders Play Structure (Little Tikes 92, Phase 1)	27,227.78	1,689.29
11 68 13 00-1329	EA	Kid Builders Play Structure (Little Tikes 92, Phase 2)	35,008.49	2,172.52
11 68 13 00-1330	EA	Kid Builders Play Structure (Little Tikes 93)	32,133.99	1,995.21
11 68 13 00-1331	EA	Kid Builders Play Structure (Little Tikes 94)	41,090.43	2,551.78
11 68 13 00-1332	EA	Kid Builders Play Structure (Little Tikes 95)	35,810.73	2,218.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1333	EA	Kid Builders Play Structure (Little Tikes 96)	40,516.17	2,514.88
11 68 13 00-1334	EA	Kid Builders Play Structure (Little Tikes 97)	81,039.45	5,029.75
11 68 13 00-1335	EA	Kid Builders Play Structure (Little Tikes 98)	90,138.42	5,586.60
11 68 13 00-1336	EA	Kid Builders Play Structure (Little Tikes 99)	71,634.07	4,443.86

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	2,513.94	274.05
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	4,484.00	301.46
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	2,890.06	274.05
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	4,484.00	301.46
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	8,045.78	443.32
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 13-0007 Basketball Components *(11 68 23 13)*

11 68 23 13-0008	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	34.25	9.37
11 68 23 13-0009	EA	Chain Basketball Net (Porter Athletic 00161-000)	61.60	9.37
11 68 23 13-0010	EA	Heavy-Duty Goal Ring (Porter Athletic 00235-000)	141.29	46.84
11 68 23 13-0011	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	257.84	21.08
11 68 23 13-0012	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,499.63	39.81
11 68 23 13-0013	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,928.33	39.81
11 68 23 13-0014	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	981.18	35.13
11 68 23 13-0015	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,073.68	35.13

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,170.44	159.27
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,489.65	159.27
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,542.85	159.27
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,634.86	159.27
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,962.44	159.27
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	291.13	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	330.89	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	635.34	157.40
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	698.82	157.40
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,518.30	242.18
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	81.94	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	4,786.24	421.50
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	7,060.06	665.82
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	8,434.26	798.98

11 68 33 23 Soccer and Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	5,030.33	281.07
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	6,043.46	421.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 33 33		**Baseball Field Equipment** *(11 68 33)*		
11 68 33 33-0001		Bases *(11 68 33 33)*		
11 68 33 33-0002	SET	Bases For Baseball Or Softball	612.71	

11 70 Healthcare Equipment *(11)*

11 73 Patient Care Equipment *(11 70)*

11 73 23 Patient Lift *(11 73)*

11 73 23 00-0001		Ceiling Patient Lift *(11 73 23)*		
11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	14,257.03	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001		Safety And Tie-Back Anchors *(11 81 29)* Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0052 for engineering testing and inspection.		
11 81 29 00-0002		Roof Mounted, Safety And Tie-Back Anchors *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	848.11	103.14
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	729.84	103.14
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	510.35	85.66
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		Wall Mounted, Safety And Tie-Back Anchor *(11 81 29 00-0001)* Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	599.55	103.14
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	541.55	103.14
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	447.56	85.66
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		Safety And Tie-Back Anchor Accessories *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	456.60	
11 81 29 00-0012		Ladder Safety And Fall Protection *(11 81 29)*		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	304.73	18.90
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	46.03	2.75
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	57.54	6.87
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	76.72	4.58
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	95.91	5.73
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	62.85	4.29
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	589.47	11.45
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	139.81	11.34
11 81 29 00-0021		Fall-Arrest Systems *(11 81 29)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0022		Horizontal *(11 81 29 00-0021)*		
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	829.99	55.35
11 81 29 00-0024		Anchor Points *(11 81 29 00-0021)*		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post Note: Guardian CD-12 series	685.83	
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post Note: Guardian CD-18 series	799.59	
11 81 29 00-0027	EA	Bolt On Roof Anchor Note: Guardian CD-1-B series	307.09	
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	147.51	
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	171.67	
11 82		**Facility Solid Waste Handling Equipment** *(11 80)*		
11 82 19		**Packaged Incinerators** *(11 82)*		
11 82 19 00-0001		Electric Incinerator *(11 82 19)*		
11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour	36,473.28	1,128.55
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour	74,615.46	2,257.09
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour	251,161.45	3,385.64
11 82 26		**Facility Waste Compactors** *(11 82)*		
11 82 26 00-0001		Waste Compactors *(11 82 26)*		
11 82 26 00-0002		110 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour	19,923.98	617.03
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour	25,201.39	1,480.88
11 82 26 00-0005		230 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	25,295.91	1,974.50
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	28,631.44	2,591.54
11 90		**Other Equipment** *(11)*		
11 98		**Detention Equipment** *(11 90)*		
11 98 12		**Detention Doors and Frames** *(11 98)*		
11 98 12 00-0001		Metal Frames *(11 98 12)* Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0002		Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*		
11 98 12 00-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,014.42	214.80
11 98 12 00-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,014.42	214.80
11 98 12 00-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,014.42	214.80
11 98 12 00-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,014.42	214.80
11 98 12 00-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,025.88	214.80
11 98 12 00-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,025.88	214.80
11 98 12 00-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,398.36	343.78
11 98 12 00-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.81	214.80
11 98 12 00-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.81	214.80
11 98 12 00-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.81	214.80
11 98 12 00-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,083.20	214.80
11 98 12 00-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,226.44	286.44
11 98 12 00-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,226.44	286.44
11 98 12 00-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,467.15	343.78
11 98 12 00-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.81	214.80
11 98 12 00-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.81	214.80
11 98 12 00-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.81	214.80
11 98 12 00-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.81	214.80
11 98 12 00-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,060.27	214.80
11 98 12 00-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,060.27	214.80
11 98 12 00-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,432.76	343.78
11 98 12 00-0024		Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*		
11 98 12 00-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.79	214.80
11 98 12 00-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.79	214.80
11 98 12 00-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.79	214.80
11 98 12 00-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.79	214.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,071.72	214.80
11 98 12 00-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,071.72	214.80
11 98 12 00-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,432.74	343.78
11 98 12 00-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.79	214.80
11 98 12 00-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,048.79	214.80
11 98 12 00-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,083.18	214.80
11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,083.18	214.80
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,226.42	286.44
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,226.42	286.44
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,789.71	381.74
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,083.18	214.80
11 98 12 00-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,083.18	214.80
11 98 12 00-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,083.18	214.80
11 98 12 00-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,083.18	214.80
11 98 12 00-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,094.64	214.80
11 98 12 00-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,094.64	214.80
11 98 12 00-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,467.12	343.78
11 98 12 00-0046		**Metal Detention Doors** *(11 98 12)*		
		Note: Flush type reinforced with stiffeners.		
11 98 12 00-0047		**10 Gauge 1-3/4" Metal Detention Door** *(11 98 12 00-0046)*		
11 98 12 00-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	618.50	76.32
11 98 12 00-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	625.16	76.32
11 98 12 00-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	631.81	76.32
11 98 12 00-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	638.47	76.32
11 98 12 00-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	645.12	76.32
11 98 12 00-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	678.39	76.32
11 98 12 00-0054	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	659.89	76.32
11 98 12 00-0055	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	666.80	76.32
11 98 12 00-0056	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	671.15	76.32
11 98 12 00-0057	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	731.74	76.32
11 98 12 00-0058	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	877.97	76.32
11 98 12 00-0059	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	953.19	76.32
11 98 12 00-0060	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	641.79	76.32
11 98 12 00-0061	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	648.44	76.32
11 98 12 00-0062	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	655.10	76.32
11 98 12 00-0063	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	661.75	76.32
11 98 12 00-0064	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	668.40	76.32
11 98 12 00-0065	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Detention Door	701.67	76.32
11 98 12 00-0066		**Pneumatic Door Operators** *(11 98 12)*		
11 98 12 00-0067	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set	4,666.23	
11 98 12 00-0068	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	5,129.85	
11 98 12 00-0069	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set	6,532.46	
11 98 12 00-0070	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set	7,665.34	
11 98 12 00-0071	EA	Pneumatic Corridor Detention Door Operator With Hardware Set	9,520.24	
11 98 12 00-0072	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	4,727.04	
11 98 12 00-0073		**Security Doors And Frame Assembly** *(11 98 12)*		
11 98 12 00-0074	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	9,475.65	474.75
		Note: Complete, with hardware, single plate.		
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0075	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	11,475.72	471.68
		Note: Complete, with hardware, double plate.		
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	

END OF SECTION 11

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

13 11 46 00-0001 Diving Stand *(13 11 46)*

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	28,766.88	3,437.88
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	36,572.28	3,437.88
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	16,785.13	1,375.15
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	22,477.48	1,375.15
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	6,233.45	638.07

13 11 46 00-0007 Diving Boards *(13 11 46)*

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards	7,272.10	508.81
		For Wheel Adjuster, Add	*125.86*	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards	5,856.84	508.81
		For Wheel Adjuster, Add	*125.86*	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board	3,241.23	422.17
		For Wheel Adjuster, Add	*116.22*	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board	4,245.01	451.05
		For Wheel Adjuster, Add	*119.42*	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board	5,227.10	481.31
		For Wheel Adjuster, Add	*122.75*	

13 11 46 00-0013 Heavy-Duty Ladders *(13 11 46)*

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment	1,553.25	196.65
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	2,595.65	196.65
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment	1,784.52	226.90
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	3,191.51	226.90

13 11 46 00-0018 Lifeguard Chair *(13 11 46)*

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment	4,007.94	508.81
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment	5,866.63	508.81

13 11 46 00-0021 Underwater Lights *(13 11 46)*

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	516.28	168.13
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	508.01	168.13

13 11 46 00-0024 Pool Covers *(13 11 46)*

Note: Includes cover straps and tension springs.

13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene	15.66	6.53
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube	15.71	6.53

13 11 46 00-0027 Slides With Water Tube *(13 11 46)*

13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide	6,069.09	773.52

13 11 46 00-0029 Curved Slides With Water Tube *(13 11 46)*

13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water	11,637.83	1,052.40

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001 Fountains/Aerators *(13 12 13)*

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,401.53	193.32
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,648.99	197.56
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,684.57	202.34
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,814.97	207.12
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,946.64	212.43
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	6,227.99	217.74
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	7,118.89	223.59
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,891.41	229.43
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,967.63	235.80
13 12 13 00-0011	EA	Aerator Nozzle	805.03	106.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands and Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat		97.13	9.16

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat		151.75	10.31

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free-standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding		28.47	8.02
		For 20' To 29' In Length Only, Add	*2.97*		
		For 30' To 49' In Length Only, Add	*2.34*		
		For 50' To 69' In Length Only, Add	*1.37*		
		For 70' To 99' In Length Only, Add	*0.56*		
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*		
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.42*		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.14*		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.78*		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.42*		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.41*		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.83*		
		For Single Slope Frame Roof, Add	*1.56*		
		For Each SF Of 24 Gauge Wall Panel, Add	*0.82*		
		For Each SF Of Lap Roof, Deduct	*-0.76*		
		For Each SF Of Hip Roof, Add	*1.09*		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*		
13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding		30.56	8.81
		For 20' To 29' In Length Only, Add	*3.06*		
		For 30' To 49' In Length Only, Add	*2.41*		
		For 50' To 69' In Length Only, Add	*1.41*		
		For 70' To 99' In Length Only, Add	*0.58*		
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.92*		
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.53*		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.29*		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.98*		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.67*		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.81*		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.33*		
		For Single Slope Frame Roof, Add	*1.61*		
		For Each SF Of 24 Gauge Wall Panel, Add	*0.87*		
		For Each SF Of Lap Roof, Deduct	*-0.76*		
		For Each SF Of Hip Roof, Add	*1.19*		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.91	9.72
		For 20' To 29' In Length Only, Add	*3.15*	
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.45*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.99*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.65*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.47*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.21*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.95*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.25*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.90*	
		For Single Slope Frame Roof, Add	*1.66*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.93*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.30*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.48	10.63
		For 20' To 29' In Length Only, Add	*3.29*	
		For 30' To 49' In Length Only, Add	*2.59*	
		For 50' To 69' In Length Only, Add	*1.51*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.06*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.77*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.66*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.26*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.74*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.52*	
		For Single Slope Frame Roof, Add	*1.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.00*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.12	11.54
		For 20' To 29' In Length Only, Add	*3.46*	
		For 30' To 49' In Length Only, Add	*2.72*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.14*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.91*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.86*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.72*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.57*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.24*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.15*	
		For Single Slope Frame Roof, Add	*1.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.07*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	41.90	12.39
		For 20' To 29' In Length Only, Add	*4.00*	
		For 30' To 49' In Length Only, Add	*3.14*	
		For 50' To 69' In Length Only, Add	*1.84*	
		For 70' To 99' In Length Only, Add	*0.76*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.26*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.10*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.14*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*4.09*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.03*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.96*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*10.06*	
		For Single Slope Frame Roof, Add	*2.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.19*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	47.08	14.22
		For 20' To 29' In Length Only, Add	*4.34*	
		For 30' To 49' In Length Only, Add	*3.41*	
		For 50' To 69' In Length Only, Add	*2.00*	
		For 70' To 99' In Length Only, Add	*0.82*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.35*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*4.59*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.65*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*8.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*11.30*	
		For Single Slope Frame Roof, Add	*2.29*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.33*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.85*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0011		>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*		
13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.09	6.38
		For 30' To 49' In Length Only, Add	*2.18*	
		For 50' To 69' In Length Only, Add	*1.28*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.20*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.35*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.89*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.58*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.78*	
		For Single Slope Frame Roof, Add	*1.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.75	6.96
		For 30' To 49' In Length Only, Add	*2.25*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.77*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.29*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.93*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.89*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.18*	
		For Single Slope Frame Roof, Add	*1.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.74*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.19	7.54
		For 30' To 49' In Length Only, Add	*2.29*	
		For 50' To 69' In Length Only, Add	*1.34*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.82*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.36*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.04*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.65*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.26*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.17*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.53*	
		For Single Slope Frame Roof, Add	*1.54*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.03*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.22	8.21
		For 30' To 49' In Length Only, Add	*2.41*	
		For 50' To 69' In Length Only, Add	*1.41*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.46*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.19*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.85*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.51*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.55*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.01*	
		For Single Slope Frame Roof, Add	*1.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.11*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.65	8.81
		For 30' To 49' In Length Only, Add	*2.65*	
		For 50' To 69' In Length Only, Add	*1.55*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.95*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.58*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.37*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.09*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.01*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.60*	
		For Single Slope Frame Roof, Add	*1.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.91*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.19*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	33.89	9.41
		For 30' To 49' In Length Only, Add	*2.82*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.02*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.54*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.30*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.07*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.44*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.13*	
		For Single Slope Frame Roof, Add	*1.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.97*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.27*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.20	10.63
		For 30' To 49' In Length Only, Add	*2.97*	
		For 50' To 69' In Length Only, Add	*1.74*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.12*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.79*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.63*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.46*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.93*	
		For Single Slope Frame Roof, Add	*1.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.06*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0019		**>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings** *(13 34 19 00-0002)*		
13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.50	4.44
		For 30' To 49' In Length Only, Add	*1.91*	
		For 50' To 69' In Length Only, Add	*1.12*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.80*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.22*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.52*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.44*	
		For Single Slope Frame Roof, Add	*1.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.28	4.66
		For 30' To 49' In Length Only, Add	*1.97*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.45*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.31*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.66*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.63*	
		For Single Slope Frame Roof, Add	*1.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.04	4.88
		For 30' To 49' In Length Only, Add	*2.02*	
		For 50' To 69' In Length Only, Add	*1.18*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.40*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.81*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.81*	
		For Single Slope Frame Roof, Add	*1.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.28	5.65
		For 30' To 49' In Length Only, Add	*2.14*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.11*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.35*	
		For Single Slope Frame Roof, Add	*1.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.04	6.29
		For 30' To 49' In Length Only, Add	*2.22*	
		For 50' To 69' In Length Only, Add	*1.30*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.20*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.80*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.34*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.88*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.57*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.77*	
		For Single Slope Frame Roof, Add	*1.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.88*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.75	6.93
		For 30' To 49' In Length Only, Add	*2.28*	
		For 50' To 69' In Length Only, Add	*1.33*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.77*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.29*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.93*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.89*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.18*	
		For Single Slope Frame Roof, Add	*1.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.75*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.76	7.84
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.86*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.44*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.80*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.46*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.90*	
		For Single Slope Frame Roof, Add	*1.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.83*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.07*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0029	GSF	10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.40	6.38
		For 20' To 29' In Length Only, Add	*2.86*	
		For 30' To 49' In Length Only, Add	*2.25*	
		For 50' To 69' In Length Only, Add	*1.32*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030	GSF	12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.26	6.96
		For 20' To 29' In Length Only, Add	*3.02*	
		For 30' To 49' In Length Only, Add	*2.38*	
		For 50' To 69' In Length Only, Add	*1.39*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.79*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.31*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.15*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.99*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.09	7.54
		For 20' To 29' In Length Only, Add	*3.17*	
		For 30' To 49' In Length Only, Add	*2.50*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.84*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.40*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.11*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.37*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.34*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.74*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.81*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.03*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	30.42	8.21
		For 20' To 29' In Length Only, Add	*3.41*	
		For 30' To 49' In Length Only, Add	*2.68*	
		For 50' To 69' In Length Only, Add	*1.57*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.91*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.52*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.97*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.65*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.78*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.88*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.11*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	32.50	8.84
		For 20' To 29' In Length Only, Add	*3.59*	
		For 30' To 49' In Length Only, Add	*2.82*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.98*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.90*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.18*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.80*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.94*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.19*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0034	GSF	20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	34.55	9.48
		For 20' To 29' In Length Only, Add	*3.77*	
		For 30' To 49' In Length Only, Add	*2.96*	
		For 50' To 69' In Length Only, Add	*1.73*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.04*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.59*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.37*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.15*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.29*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.00*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.27*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0035	GSF	24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	38.82	10.82
		For 20' To 29' In Length Only, Add	*4.13*	
		For 30' To 49' In Length Only, Add	*3.25*	
		For 50' To 69' In Length Only, Add	*1.90*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.16*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.91*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.78*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.66*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.38*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.12*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0036 >30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0037	GSF	10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.95	5.65
		For 30' To 49' In Length Only, Add	*2.07*	
		For 50' To 69' In Length Only, Add	*1.21*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.10*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.65*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.14*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.63*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.17*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.27*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.49	6.17
		For 30' To 49' In Length Only, Add	*2.15*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.76*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.82*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.46*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.86*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.02	6.68
		For 30' To 49' In Length Only, Add	*2.24*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.00*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.00*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.65	7.17
		For 30' To 49' In Length Only, Add	*2.36*	
		For 50' To 69' In Length Only, Add	*1.38*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.33*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.20*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.06*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.40*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.77*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.99*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041	GSF	18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.30	7.68
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.42*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.12*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.76*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.40*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.38*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.82*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.05*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.94	8.21
		For 30' To 49' In Length Only, Add	*2.57*	
		For 50' To 69' In Length Only, Add	*1.51*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.90*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.50*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.25*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.92*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.59*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.69*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.19*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.86*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.11*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	33.62	9.36
		For 30' To 49' In Length Only, Add	*2.82*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.01*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.68*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.52*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.28*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.03*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.97*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.26*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0044		>50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0045	GSF	10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.80	4.44
		For 30' To 49' In Length Only, Add	*1.98*	
		For 50' To 69' In Length Only, Add	*1.16*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.26*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.57*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.51*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0046	GSF	12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.85	4.74
		For 30' To 49' In Length Only, Add	*2.06*	
		For 50' To 69' In Length Only, Add	*1.20*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.99*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.49*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.94*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.38*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.77*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.76*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047	GSF	14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.87	5.04
		For 30' To 49' In Length Only, Add	*2.13*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.51*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.50*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.97*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.96	5.34
		For 30' To 49' In Length Only, Add	*2.23*	
		For 50' To 69' In Length Only, Add	*1.30*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.10*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.65*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.14*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.64*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.17*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.27*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.34	5.71
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.37*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.28*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.43*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.69*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF	20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.57	6.01
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.45*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.74*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.23*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.84*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.40*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.95*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.67*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0051	GSF	24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.48	6.84
		For 30' To 49' In Length Only, Add	*2.71*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.82*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.37*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.06*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.68*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.22*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.81*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.95*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.01	5.23
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.40*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.80*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.80*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.36	5.59
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.07*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.60*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.08*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.56*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.06*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.13*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.79*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.44	5.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.12*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.68*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.19*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.69*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.39*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.51	6.20
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.18*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.76*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.82*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.47*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	25.48	6.74
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.27*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.91*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.48*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.06*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.84*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.12*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.74*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0059		>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.42	4.62
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.38*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.80*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.21*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.50*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.42*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.61	4.92
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.91*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.35*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.73*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.71*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.70	5.23
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.55*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.02*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.48*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.93*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.97*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.62	5.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.08*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.62*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.11*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.59*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.11*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.19*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.78*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.43	5.95
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.76*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.28*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.81*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.45*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.69*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0065		>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.96	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.27*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.65*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.04*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.22*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.76	4.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.33*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.73*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.13*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.37*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.26*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.71	4.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.82*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.25*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.55*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.50	4.68
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.90*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.34*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.71*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.68*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.15	5.11
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.06*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.59*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.06*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.54*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.02*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0071		**>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings** *(13 34 19 00-0052)*		
13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.47	3.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.24*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.61*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.98*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.13*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.95*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.15	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.06*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.12*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.93	4.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.15*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.41*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.69	4.44
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.82*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.24*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.55*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.26	4.80
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.52*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.98*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.43*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.85*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.47	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.24*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.61*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.98*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.13*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.95*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.12	4.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.25*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.11	4.13
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.25*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.82	4.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	19.87	4.62
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.99*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.49*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.94*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.38*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.78*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.46	3.70
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.86*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.94*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.71*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.99	3.83
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.92*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.04*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.60	3.98
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.83*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.25*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.62*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.99*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.15*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.98*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.19	4.13
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.68*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.06*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.27*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.13*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	19.24	4.44
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.31*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.66*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building

(13 34 19 00-0090)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.84	3.52
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.11*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.45*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.78*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.43	3.65
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.85*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.93*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.70*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.96	3.77
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.92*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.03*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.46	3.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.23*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.98*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.13*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.95*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.54	4.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.22*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.52*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.57	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.42*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.75*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.77*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.10	3.52
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.81*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.87*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.65	3.65
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.17*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.88*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.97*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.76*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.19	3.77
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.94*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.08*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.14	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.91*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.77*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.18*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.45*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.35	3.28
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.08*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.72*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.73*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.44*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.78	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.11*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.77*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.81*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.35	3.52
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.15*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.84*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.92*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.68*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.91	3.65
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.19*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.55*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.91*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.02*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.88	3.95
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.15*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.29*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0109		Metal Building Options *(13 34 19 00-0001)*		
		Note: For use with metal buildings only.		
13 34 19 00-0110		Metal Framing For Rough Openings *(13 34 19 00-0109)*		
		Note: Excludes doors		
13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	458.48	136.09
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	682.63	176.19
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	778.39	167.08
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	836.17	170.12
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	885.10	176.19
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	444.16	136.09
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	499.86	154.69
13 34 19 00-0118	LF	Additional Girts	12.61	
13 34 19 00-0119		Wall Panel Options For Metal Buildings *(13 34 19 00-0109)*		
		Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	15.81	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	19.04	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	21.95	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	25.28	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0124		Roofing Options For Metal Buildings *(13 34 19 00-0109)*		
		Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.58	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	25.73	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	27.35	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	28.64	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	205.85	52.26
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	27.92	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.54	0.47
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.69	0.47
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.91	0.63
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.17	0.63
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.65	0.63
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.81	0.47
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.96	0.47
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.12	0.63
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.33	0.63
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.74	0.63
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.73	0.47
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.90	0.47
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.23	0.63
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.44	0.63
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.82	0.63
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.63	0.47
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.72	0.47
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.93	0.63
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.36	0.63
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.64	0.47
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.74	0.47
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.96	0.63
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	2.41	0.63
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.09	0.47
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.22	0.47
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.44	0.63
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.89	0.63
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	46.65	9.48
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	70.57	6.80
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	95.49	15.19
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*22.35*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*12.80*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	79.78	12.76
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*18.67*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*10.69*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	60.50	10.94
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*14.03*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*7.98*	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	116.57	23.08
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	78.33	13.97
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	41.08	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	51.38	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	61.96	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	72.39	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	92.68	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	54.65	
		For 24 Gauge, Add	*5.87*	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	68.27	
		For 24 Gauge, Add	*7.40*	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	82.16	
		For 24 Gauge, Add	*8.86*	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	96.05	
		For 24 Gauge, Add	*10.33*	
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	122.71	
		For 24 Gauge, Add	*13.31*	
13 34 19 00-0177		**Louvers And Vents For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0178	EA	4' x 3' Fixed Louver	728.51	189.56
13 34 19 00-0179	EA	12" Rotary Vent With Damper	441.70	121.52
13 34 19 00-0180	EA	20" Rotary Vent With Damper	783.21	162.22
13 34 19 00-0181	EA	24" Rotary Vent With Damper	1,040.54	182.27
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Bird Screen, 9" Throat x 10'	1,189.67	243.04
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Bird Screen, 12" Throat x 10'	1,269.75	243.04
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,479.37	243.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,617.33	243.04
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,769.09	243.04
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,920.84	243.04
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,525.22	303.79
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,773.55	303.79
13 34 19 00-0190		Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*		
13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	10.72	3.03
		For Galvanized Instead Of Painted, Deduct	*-1.16*	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	10.36	4.25
		For Galvanized Instead Of Painted, Deduct	*-0.46*	
13 34 23		**Fabricated Structures** *(13 34)*		
13 34 23 13		**Portable and Mobile Buildings** *(13 34 23)*		
13 34 23 13-0001		Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*		
		Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	462.50	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	396.78	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	317.62	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	251.29	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	224.54	
13 34 23 13-0007		Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'	69.82	
		For Each Delivery And Set-up (Block And Level), Add	*1,450.13*	
		For Each Knock-Down And Pick-Up, Add	*1,089.39*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0009	SF	Modular Trailers, Connected	97.75	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*3,214.05*	
		For Each Knock-Down And Pick-Up, Add	*2,382.39*	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware	1,047.29	
13 34 23 13-0011		Portable and Mobile Trailer Accessories *(13 34 23 13)*		
13 34 23 13-0012		Skirting *(13 34 23 13-0011)*		
		Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013		Vinyl Covered, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt	5.99	2.35
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt	8.86	3.87
13 34 23 13-0016		Fiberglass, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt	11.20	4.43
13 34 23 13-0018	SF	3' High Fiberglass Skirt	13.03	5.39
13 34 23 13-0019		Plywood, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	10.45	4.70
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt	12.37	5.68
13 34 23 13-0022		Steel, Painted, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	11.79	4.43
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt	13.72	5.39
13 34 23 13-0025		14" x 14" Access Hatch *(13 34 23 13-0011)*		
		Note: Simple design.		
13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	295.97	103.90
13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	264.25	103.90
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	293.99	103.90
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	295.61	103.90
13 34 23 13-0030		Aluminum Modular Access Ramp *(13 34 23 13-0011)*		
		Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
13 34 23 13-0031	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,820.00	34.59
13 34 23 13-0032	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,861.51	44.97
13 34 23 13-0033	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	7,943.44	69.19
13 34 23 13-0034	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,558.00	69.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0035	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,015.15	44.97
13 34 23 13-0036	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,973.64	34.59
13 34 23 13-0037	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,547.72	44.97
13 34 23 13-0038	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,940.25	44.97
13 34 23 13-0039	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,940.25	44.97
13 34 23 13-0040	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,483.75	44.97
13 34 23 13-0041	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	5,023.42	44.97

13 34 23 13-0042 Relocate Portable And Mobile Trailer *(13 34 23 13)*

Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0078 for escort vehicle, 13 34 23 13-0012 for skirting.

13 34 23 13-0043	EA	Prepare, Up To 12' Wide, Single Trailer For Transportation Note: Includes securing interior, mounting tires, and mounting trailer hitch	940.45
13 34 23 13-0044	EA	Separate, 24' Wide Double Trailer And Prepare For Transportation Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.	4,594.44
13 34 23 13-0045	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer Note: Per trailer	413.80
13 34 23 13-0046	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer Note: Per trailer	526.65
13 34 23 13-0047	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer Note: Per trailer	639.51
13 34 23 13-0048	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer Note: Per trailer	1,279.02
13 34 23 13-0049	MI	Transportation And Delivery Of Trailer See CSI section 01 22 20 00-0079 for escort vehicle service (when required).	19.48
13 34 23 13-0050	EA	Re-connect 24' Wide Double Trailer Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0053 for blocking and leveling of each section.	9,357.88
13 34 23 13-0051	EA	Set-up (Block And Level) Trailer, 8' Wide x Up To 35' Long Note: Per trailer	517.25
13 34 23 13-0052	EA	Set-up (Block And Level) Trailer, 10' Wide x 40' To 50' Long Note: Per trailer	658.32
13 34 23 13-0053	EA	Set-up (Block And Level) Trailer, 12' Wide x 45' To 60' Long Note: Per trailer	799.39
13 34 23 13-0054	EA	Set-up (Block And Level) Trailer, 24' Wide x 45' To 60' Long Note: Per trailer	1,598.77
13 34 23 13-0055	EA	Connection Straps To Anchor Note: Includes straps per each anchor	23.52

13 34 23 14 Fabricated Classroom Buildings *(13 34 23)*

13 34 23 14-0001 Semi-Permanent Modular Transportable Buildings *(13 34 23 14)*

13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	104.03
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
		For Each Delivery And Set-up (Block And Level), Add	*3,214.05*
		For Each Knock-Down And Pick-Up, Add	*2,382.39*
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	107.11
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
		For Each Delivery And Set-up (Block And Level), Add	*3,214.05*
		For Each Knock-Down And Pick-Up, Add	*2,382.39*

13 34 23 16 Fabricated Control Booths *(13 34 23)*

13 34 23 16-0001 Fabricated Parking Attendant Booths *(13 34 23 16)*

Note: Excludes foundations and slab.

13 34 23 16-0002	EA	Parking Booth For Attendant	2,037.33

13 34 23 31 Fabricated Pavilion Style Buildings *(13 34 23)*

13 34 23 31-0001 Pavilion Style Metal Shelter Structures *(13 34 23 31)*

Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.

13 34 23 31-0002	EA	12' x 12' Pavilion Style Metal Shelter Structure	13,160.56	3,242.03
		For >90 To 100 MPH Wind Load, Add	*1,118.65*	
		For >100 To 110 MPH Wind Load, Add	*1,283.15*	
		For >110 To 120 MPH Wind Load, Add	*1,645.07*	
		For >8' To 10' Height At Perimeter, Add	*859.56*	
		For >10' To 12' Height At Perimeter, Add	*1,601.72*	
		For >12' To 14' Height At Perimeter, Add	*2,468.39*	
13 34 23 31-0003	EA	16' x 16' Pavilion Style Metal Shelter Structure	15,543.75	3,566.23
		For >90 To 100 MPH Wind Load, Add	*1,321.22*	
		For >100 To 110 MPH Wind Load, Add	*1,515.52*	
		For >110 To 120 MPH Wind Load, Add	*1,942.97*	
		For >8' To 10' Height At Perimeter, Add	*993.54*	
		For >10' To 12' Height At Perimeter, Add	*1,836.60*	
		For >12' To 14' Height At Perimeter, Add	*2,832.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0004	EA	16' x 32' Pavilion Style Metal Shelter Structure	19,586.94	3,890.43
		For >90 To 100 MPH Wind Load, Add	*1,664.89*	
		For >100 To 110 MPH Wind Load, Add	*1,909.73*	
		For >110 To 120 MPH Wind Load, Add	*2,448.37*	
		For >8' To 10' Height At Perimeter, Add	*1,202.21*	
		For >10' To 12' Height At Perimeter, Add	*2,187.67*	
		For >12' To 14' Height At Perimeter, Add	*3,379.44*	
13 34 23 31-0005	EA	20' x 20' Pavilion Style Metal Shelter Structure	18,456.09	3,768.91
		For >90 To 100 MPH Wind Load, Add	*1,568.77*	
		For >100 To 110 MPH Wind Load, Add	*1,799.47*	
		For >110 To 120 MPH Wind Load, Add	*2,307.01*	
		For >8' To 10' Height At Perimeter, Add	*1,141.30*	
		For >10' To 12' Height At Perimeter, Add	*2,082.99*	
		For >12' To 14' Height At Perimeter, Add	*3,216.76*	
13 34 23 31-0006	EA	20' x 30' Pavilion Style Metal Shelter Structure	22,438.52	4,052.53
		For >90 To 100 MPH Wind Load, Add	*1,907.27*	
		For >100 To 110 MPH Wind Load, Add	*2,187.76*	
		For >110 To 120 MPH Wind Load, Add	*2,804.82*	
		For >8' To 10' Height At Perimeter, Add	*1,343.90*	
		For >10' To 12' Height At Perimeter, Add	*2,421.30*	
		For >12' To 14' Height At Perimeter, Add	*3,744.15*	
13 34 23 31-0007	EA	20' x 40' Pavilion Style Metal Shelter Structure	26,536.58	4,255.22
		For >90 To 100 MPH Wind Load, Add	*2,255.61*	
		For >100 To 110 MPH Wind Load, Add	*2,587.32*	
		For >110 To 120 MPH Wind Load, Add	*3,317.07*	
		For >8' To 10' Height At Perimeter, Add	*1,545.02*	
		For >10' To 12' Height At Perimeter, Add	*2,750.70*	
		For >12' To 14' Height At Perimeter, Add	*4,258.73*	
13 34 23 31-0008	EA	24' x 24' Pavilion Style Metal Shelter Structure	22,195.49	3,890.43
		For >90 To 100 MPH Wind Load, Add	*1,886.62*	
		For >100 To 110 MPH Wind Load, Add	*2,164.06*	
		For >110 To 120 MPH Wind Load, Add	*2,774.44*	
		For >8' To 10' Height At Perimeter, Add	*1,319.60*	
		For >10' To 12' Height At Perimeter, Add	*2,370.27*	
		For >12' To 14' Height At Perimeter, Add	*3,666.38*	
13 34 23 31-0009	EA	24' x 48' Pavilion Style Metal Shelter Structure	30,519.00	4,538.84
		For >90 To 100 MPH Wind Load, Add	*2,594.12*	
		For >100 To 110 MPH Wind Load, Add	*2,975.60*	
		For >110 To 120 MPH Wind Load, Add	*3,814.88*	
		For >8' To 10' Height At Perimeter, Add	*1,747.62*	
		For >10' To 12' Height At Perimeter, Add	*3,089.01*	
		For >12' To 14' Height At Perimeter, Add	*4,786.11*	
13 34 23 31-0010	EA	30' x 30' Pavilion Style Metal Shelter Structure	29,660.02	4,700.93
		For >90 To 100 MPH Wind Load, Add	*2,521.10*	
		For >100 To 110 MPH Wind Load, Add	*2,891.85*	
		For >110 To 120 MPH Wind Load, Add	*3,707.50*	
		For >8' To 10' Height At Perimeter, Add	*1,722.33*	
		For >10' To 12' Height At Perimeter, Add	*3,062.90*	
		For >12' To 14' Height At Perimeter, Add	*4,742.66*	
13 34 23 31-0011	EA	30' x 60' Pavilion Style Metal Shelter Structure	56,417.64	5,265.86
		For >90 To 100 MPH Wind Load, Add	*4,795.50*	
		For >100 To 110 MPH Wind Load, Add	*5,500.72*	
		For >110 To 120 MPH Wind Load, Add	*7,052.21*	
		For >8' To 10' Height At Perimeter, Add	*2,973.21*	
		For >10' To 12' Height At Perimeter, Add	*5,055.02*	
		For >12' To 14' Height At Perimeter, Add	*7,864.62*	
13 34 23 31-0012	EA	40' x 40' Pavilion Style Metal Shelter Structure	51,713.55	5,835.64
		For >90 To 100 MPH Wind Load, Add	*4,395.65*	
		For >100 To 110 MPH Wind Load, Add	*5,042.07*	
		For >110 To 120 MPH Wind Load, Add	*6,464.19*	
		For >8' To 10' Height At Perimeter, Add	*2,808.31*	
		For >10' To 12' Height At Perimeter, Add	*4,844.82*	
		For >12' To 14' Height At Perimeter, Add	*7,525.80*	
13 34 23 31-0013	EA	40' x 60' Pavilion Style Metal Shelter Structure	74,413.41	6,484.05
		For >90 To 100 MPH Wind Load, Add	*6,325.14*	
		For >100 To 110 MPH Wind Load, Add	*7,255.31*	
		For >110 To 120 MPH Wind Load, Add	*9,301.68*	
		For >8' To 10' Height At Perimeter, Add	*3,883.27*	
		For >10' To 12' Height At Perimeter, Add	*6,569.91*	
		For >12' To 14' Height At Perimeter, Add	*10,226.93*	

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	13,326.72	931.48
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	27,475.77	1,247.27
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	117.78	8.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	89.10	8.83
13 42 63 16-0005	SF	Perforated Metal Crime Shield	84.37	3.65

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	76.43	13.43
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	95.05	13.43
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	123.57	13.43
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	137.42	13.43
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	266.37	26.86

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	43.14	13.43
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	55.79	13.43
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	67.74	13.43
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	75.78	13.43
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	139.50	26.86

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	104.73	40.29
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	138.91	53.73
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	187.12	67.15
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	138.91	53.73
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	148.00	53.73
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	262.96	107.44
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	184.74	67.15
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	104.73	40.29

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	83.59	40.29
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	124.79	53.73
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	161.18	67.15
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	124.96	53.73
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	127.38	53.73
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	235.80	107.44
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	165.50	67.15
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	83.59	40.29

13 46 13 00-0034 Connectors *(13 46 13 00-0001)*

13 46 13 00-0035 Copper Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	211.19	67.15
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	287.52	107.44
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	188.78	67.15
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	45.18	13.43
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	46.36	13.43
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	140.91	40.29

13 46 13 00-0042 Aluminum Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	168.62	67.15
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	245.74	107.44
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	163.43	67.15
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	35.39	13.43
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	105.38	40.29

13 46 13 00-0048 Bonding Plates *(13 46 13 00-0001)*

13 46 13 00-0049 Copper Bonding Plates *(13 46 13 00-0048)*

13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	167.13	67.15
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	172.68	67.15
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	254.07	107.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0053		Aluminum Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	152.20	67.15
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	154.96	67.15
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	228.72	107.44
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	32.13	13.43
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	33.18	13.43
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	30.12	13.43
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	29.94	13.43
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	88.04	40.29
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	77.71	40.29
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)*		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	34.07	6.71
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	23.77	6.71
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	201.56	67.15

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001		Anodes *(13 47 13 13)*		
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 Lb. Magnesium Type Anodes	428.96	188.32
13 47 13 13-0004	EA	17 Lb. Magnesium Type Anodes	635.92	272.17
13 47 13 13-0005	EA	32 Lb. Magnesium Type Anode	866.73	350.15
13 47 13 13-0006	EA	48 Lb. Magnesium Type Anode	1,233.55	489.91
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)* Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	656.40	272.42
13 47 13 13-0009	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	1,018.67	380.40
13 47 13 13-0010	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	761.92	238.06
13 47 13 13-0011	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,163.10	317.82
13 47 13 13-0012		Rectifiers *(13 47 13 13)*		
13 47 13 13-0013		Air-Cooled, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0014	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,264.39	386.80
13 47 13 13-0015	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,450.40	386.80
13 47 13 13-0016		Oil Immersed, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,417.59	447.24
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,616.88	447.24
13 47 13 13-0019		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.29	0.49
13 47 13 13-0021		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	2,603.79	952.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	2,913.87	952.25
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	3,378.97	952.25
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	4,154.16	952.25
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	5,195.37	1,049.19
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	5,776.75	1,049.19
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	6,745.73	1,049.19
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	9,259.41	1,143.67

13 47 13 13-0030 Cathodic Test Stations *(13 47 13 13)*

13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*

13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	334.70	111.47

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

13 48 53 00-0001 Seismic Bracing Assembly *(13 48 53)*

13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	191.23	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	185.89	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	279.26	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	362.25	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	361.47	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	537.43	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	713.39	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	222.78	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	329.39	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	436.01	

13 48 53 00-0012 Seismic Brace Components *(13 48 53)*

13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	35.95	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	49.56	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	65.91	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	90.40	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	33.72	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	45.71	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	60.26	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	81.67	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	41.00	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	54.27	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	75.67	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	72.25	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	101.78	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	139.03	
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	30.51	
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	37.36	
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	46.77	

13 48 63 Fabricated Seismic Control Assemblies *(13 48)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0001		**Seismic Restraints** *(13 48 63)*		
13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	5.89	1.38
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.53	0.68
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	7.70	1.72
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.77	0.85
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.29	1.00
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	12.18	1.21
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	5.25	1.04
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.65	1.04
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.56	0.68
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	11.39	2.06
13 48 63 00-0012	LF	Seismic Chord, Black	3.21	1.04
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	4.21	1.04

13 49 Radiation Protection *(13 40)*

13 49 13 Integrated X-Ray Shielding Assemblies *(13 49)*

13 49 13 00-0001		**Lead Shielding** *(13 49 13)*		
13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	47.67	8.25
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	80.23	8.94
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	141.88	9.62
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	269.94	12.38

13 49 16 Modular X-Ray Shielding Rooms *(13 49)*

13 49 16 00-0001		**X-Ray Barriers, Modular** *(13 49 16)* Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002		**36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers** *(13 49 16 00-0001)*		
13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,463.30	176.50
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,047.30	176.50
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,351.49	211.80
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	11,052.29	211.80
13 49 16 00-0007		**72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers** *(13 49 16 00-0001)*		
13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	20,303.79	282.40
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	21,121.38	282.40
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	21,776.04	317.70
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	23,481.77	353.00
13 49 16 00-0012		**108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers** *(13 49 16 00-0001)*		
13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	30,840.09	353.00
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	32,358.47	353.00
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	33,083.65	423.60
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	35,490.12	458.90
13 49 16 00-0017		**X-Ray Barriers, Mobile** *(13 49 16)* Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018		**30" Wide x 75" High, Mobile X-Ray Barriers** *(13 49 16 00-0017)* Note: Includes Framework		
13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	6,492.68	34.38
13 49 16 00-0020		**48" Wide x 75" High, Mobile X-Ray Barriers** *(13 49 16 00-0017)* Note: Includes Framework		
13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	11,515.03	34.38
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,851.00	34.38
13 49 16 00-0023		**72" Wide x 75" High, Mobile X-Ray Barriers** *(13 49 16 00-0017)* Note: Includes Framework		
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,617.40	34.38
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	17,238.17	34.38

13 49 19 Lead-Lined Materials *(13 49)*

13 49 19 16 Lead-Lined Drywall *(13 49 19)*

13 49 19 16-0001		**Lead Lined Drywall** *(13 49 19 16)*		
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	25.93	1.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	45.23	2.16
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	82.03	2.59

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	640.81	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	854.42	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	534.01	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	534.01	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	320.40	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	210.69	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	263.36	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,528.62	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,910.76	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	764.30	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,719.69	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,146.46	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,675.08	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	3,057.23	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,292.92	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,866.15	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,528.62	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,431.56	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,735.50	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,431.56	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,431.56	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,431.56	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	47,901.37	10,796.10
		For Union-Guard Cathodic Protection, Add	*10,374.47*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*10,676.42*	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	51,635.85	13,045.28
		For Union-Guard Cathodic Protection, Add	*10,471.30*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*11,300.79*	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	60,648.66	14,844.63
		For Union-Guard Cathodic Protection, Add	*12,020.50*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*14,337.85*	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	6,427.12	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	81.16	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	895.38	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,901.60	899.67
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,211.43	899.67
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes build back.	9,381.77	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes build back.	10,156.37	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes build back.	9,879.45	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes build back.	10,654.05	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	106.17	25.70
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	92.42	25.70
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.26	3.37
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,865.52	674.76
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	22,552.25	3,767.39
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	3,244.34	899.67
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	540.78	224.92
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	536.98	449.84
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	717.46	393.61
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,531.03	899.67
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	710.45	416.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	536.98	449.84
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	782.92	449.84
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,461.24	899.67
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,223.76	449.84
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,069.64	1,799.35
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	9,755.16	1,799.35
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	3,112.86	449.84
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,045.64	1,799.35
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,206.81	449.84
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,988.55	449.84
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	294.63	224.92
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,882.05	449.84
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.39	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	7,197.40	3,598.70
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.74	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	7,409.16	899.67
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,507.56	899.67
14 01 20 71-0065	EA	Removal And Replacement Of Governor	6,223.45	899.67
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	10,045.64	1,799.35
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	2,133.79	449.84
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,577.45	449.84
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	949.60	449.84
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	2,027.29	449.84
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	247.58	224.92
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	51,268.95	7,197.40
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	30,161.10	7,197.40
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	47,041.00	7,197.40
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,977.11	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	4,190.12	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,424.44	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,680.06	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,764.10	449.84
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	58,385.70	7,197.40
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	164.80	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	175.61	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	182.97	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,499.24	899.67
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,441.87	899.67
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,538.70	899.67
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,635.52	899.67
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,751.71	899.67
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,476.77	899.67
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,476.77	899.67
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,349.77	899.67
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,286.27	899.67
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,799.69	200.19
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,056.14	240.23
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,034.49	280.28
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	265.14	224.92
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	270.51	224.92
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	176.52	52.93
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	170.21	52.93
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	199.72	52.93
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	219.71	52.93
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	249.45	52.93
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	203.44	52.93
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	229.70	52.93
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	350.19	52.93
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	391.86	52.93
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	169.20	52.93
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	170.81	52.93
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	214.44	52.93
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	201.58	52.93
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	215.29	52.93
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	266.43	52.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	208.09	52.93
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	212.50	52.93
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	347.05	52.93
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	232.25	52.93
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	347.90	52.93
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	391.86	52.93

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	906.65
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	210.69
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	4,986.57

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	2,204.65
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,361.75
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,476.96
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,671.08
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	207.10

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	395,372.18
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Each Opening With Two Speed Doors, Add	*849.12*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*1,563.04*
		For Class "C-2" Loading, Add	*1,876.40*
		For Class "C-3" Loading, Add	*2,566.92*
		For Removal Of Existing Stop, Add	*9,895.49*
		For Each Additional Stop, Add	*37,921.06*
		For Each Floor < 6 Stops, Deduct	*-32,554.03*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Removal Of Existing Elevator, Add	*49,477.47*
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	416,674.32
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Each Opening With Two Speed Doors, Add	*849.12*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,126.08*
		For Class "C-2" Loading, Add	*3,752.80*
		For Class "C-3" Loading, Add	*5,201.38*
		For Removal Of Existing Stop, Add	*9,895.49*
		For Each Additional Stop, Add	*37,921.06*
		For Each Floor < 6 Stops, Deduct	*-32,554.03*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Removal Of Existing Elevator, Add	*49,477.47*
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	439,811.17
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,126.08*
		For Class "C-2" Loading, Add	*3,752.80*
		For Class "C-3" Loading, Add	*5,201.38*
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*
		For Stainless Steel Cab Interior, Add	*8,443.80*
		For Removal Of Existing Stop, Add	*9,895.49*
		For Each Additional Stop, Add	*38,859.26*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Each Opening With Bonderized Steel Door, Add	*281.46*
		For Each Opening With Stainless Steel Doors, Add	*562.92*
		For Each Opening With Two Speed Doors, Add	*703.65*
		For Removal Of Existing Elevator, Add	*49,477.47*
		For Each Floor < 6 Stops, Deduct	*-33,554.03*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	450,149.32	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Each Additional Stop, Add	*38,859.26*	
		For Each Additional 50 FPM, Add	*5,629.20*	
		For Each Opening With Bonderized Steel Door, Add	*281.46*	
		For Each Opening With Stainless Steel Doors, Add	*562.92*	
		For Each Opening With Two Speed Doors, Add	*703.65*	
		For Removal Of Existing Elevator, Add	*49,477.47*	
		For Each Floor < 6 Stops, Deduct	*-33,554.03*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	464,154.82	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Each Additional Stop, Add	*38,859.26*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*49,477.47*	
		For Each Floor < 6 Stops, Deduct	*-33,554.03*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	480,028.03	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Each Additional Stop, Add	*38,859.26*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*49,477.47*	
		For Each Floor < 6 Stops, Deduct	*-33,554.03*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	493,648.77	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Each Additional Stop, Add	*38,859.26*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*49,477.47*	
		For Each Floor < 6 Stops, Deduct	*-33,554.03*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	293,385.47	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For Each Additional Stop, Add	*37,921.06*	
		For Each Floor < 6 Stops, Deduct	*-22,369.35*	
		For Removal Of Existing Elevator, Add	*37,108.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	301,110.67	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For Each Additional Stop, Add	*37,921.06*	
		For Each Floor < 6 Stops, Deduct	*-22,369.35*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	307,999.58	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For Each Additional Stop, Add	*37,921.06*	
		For Each Floor < 6 Stops, Deduct	*-22,369.35*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	313,016.38	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For Each Additional Stop, Add	*37,921.06*	
		For Each Floor < 6 Stops, Deduct	*-22,369.35*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	319,527.81	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For Each Additional Stop, Add	*37,921.06*	
		For Each Floor < 6 Stops, Deduct	*-22,369.35*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	325,704.17	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For Each Additional Stop, Add	*37,921.06*	
		For Each Floor < 6 Stops, Deduct	*-22,369.35*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	332,021.97	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For Each Additional Stop, Add	*37,921.06*	
		For Each Floor < 6 Stops, Deduct	*-22,369.35*	
		For Removal Of Existing Elevator, Add	*37,108.11*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	241,840.70	
		For Each Additional Stop, Add	*27,248.68*	
		For 2 Stops, Deduct	*-16,337.56*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	249,396.81	
		For Each Additional Stop, Add	*27,248.68*	
		For 2 Stops, Deduct	*-16,337.56*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	256,370.22	
		For Each Additional Stop, Add	*27,248.68*	
		For 2 Stops, Deduct	*-16,337.56*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	263,131.17	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,663.88*	
		For 2 Stops, Deduct	*-17,337.56*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*24,707.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	277,386.91	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,663.88*	
		For 2 Stops, Deduct	*-17,337.56*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	284,231.66	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,663.88*	
		For 2 Stops, Deduct	*-17,337.56*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	294,473.04	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,663.88*	
		For 2 Stops, Deduct	*-17,337.56*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Each Additional 50 FPM, Add	*15,567.20*	
		For Class "C-1" Loading, Add	*7,815.21*	
		For Class "C-2" Loading, Add	*9,382.00*	
		For Class "C-3" Loading, Add	*12,834.58*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	302,110.45	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,663.88*	
		For 2 Stops, Deduct	*-17,337.56*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	314,861.28	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,663.88*	
		For 2 Stops, Deduct	*-17,337.56*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,895.49*	
		For Removal Of Existing Elevator, Add	*37,108.11*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling Note: Includes casing.	104.90	
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling Note: Includes casing.	125.11	

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	166,237.98	
		For Each Additional Stop, Add	*27,248.68*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	169,068.38	
		For Each Additional Stop, Add	*27,248.68*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	171,014.28	
		For Each Additional Stop, Add	*27,248.68*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For 2 Stops, Deduct	*-10,000.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	179,078.53	
		For Each Additional Stop, Add	*27,248.68*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	182,372.42	
		For Each Additional Stop, Add	*27,248.68*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	186,511.88	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,663.88*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	191,237.40	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,663.88*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*343.14*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Removal Of Existing Stop, Add	*4,947.75*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	142,085.45	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Each Additional Stop, Add	*29,076.04*	
		For An Additional 25 FPM, Add	*2,384.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	147,304.84	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Each Additional Stop, Add	*29,076.04*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	152,328.06	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Each Additional Stop, Add	*29,076.04*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	175,810.57	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,707.91*	
		For Each Additional Stop, Add	*29,076.04*	
		For An Additional 25 FPM, Add	*2,384.61*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.	103,720.71	
		For Each Additional Stop, Add	*17,756.08*	
		For Removal Of Existing Elevator, Add	*7,421.62*	

14 27 Custom Elevator Cabs and Doors *(14 20)*

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,661.30	

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,799.80	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,891.31	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	1,025.68	

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,998.99	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	5,036.15	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,896.96	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,771.09	
14 27 16 00-0006	EA	Bi-Parting Doors	12,071.84	
14 27 16 00-0007	EA	Power Operated Door And Gate	35,194.63	

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passenger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	9,852.37	1,364.14
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	14,906.62	2,044.73
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	22,656.48	2,726.29
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	31,529.46	3,460.27
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	43,295.30	4,089.42
14 28 16 00-0007	EA	Duplex Care Selective Collective	9,326.39	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	6,001.35	
14 28 16 00-0009	EA	Manual Emergency Power Switching	1,019.58	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	246.34	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	207.61	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,355.55	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	60,313.25	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	98,528.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum	136,560.37	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum	25,486.08	
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average	31,099.00	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum	34,271.52	

14 30 Escalators and Moving Walks *(14)*

14 31 Escalators *(14 30)*

14 31 00 00-0001 Stainless Steel Escalator Construction *(14 31)*

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	165,127.15	14,893.66
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	183,119.43	17,601.60
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	199,470.22	20,309.54
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	220,683.24	24,371.45
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	243,625.40	27,079.38
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	174,589.97	15,841.44
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	193,992.56	18,955.57
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	210,333.93	21,663.50
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	237,270.60	27,214.78
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	255,565.85	29,245.74
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	184,501.72	16,789.21
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	205,655.83	20,309.54
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	221,625.16	23,017.47
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	255,026.05	28,704.15
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	270,637.01	31,412.08
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link	24,173.08	541.59

14 32 Moving Walks *(14 30)*

14 32 00 00-0001 Moving Sidewalks *(14 32)*

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF	Moving Sidewalks, 28" Wide	1,762.00	324.95
		For Each LF Of Ramp Or Sloped Sections, Add	*274.41*	
14 32 00 00-0003	LF	Moving Sidewalks, 36" Wide	2,341.16	331.72
		For Each LF Of Ramp Or Sloped Sections, Add	*388.63*	
14 32 00 00-0004	LF	Moving Sidewalks, 48" Wide	2,636.57	345.26
		For Each LF Of Ramp Or Sloped Sections, Add	*444.46*	
14 32 00 00-0005	LF	Moving Sidewalks, 54" Wide	3,028.75	374.51
		For Each LF Of Ramp Or Sloped Sections, Add	*515.87*	

14 40 Lifts *(14)*

14 41 People Lifts *(14 40)*

14 41 16 Endless-Belt People Lifts *(14 41)*

14 41 16 00-0001 Personnel Lifts Electrically Operated *(14 41 16)*

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	29,221.30	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,506.56*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,739.29	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,688.71*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	32,257.28	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,870.87*	

14 41 19 Stairway Chairlifts *(14 41)*

14 41 19 00-0001 Chair Lift-Stair Climber *(14 41 19)*

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	8,209.56	1,208.86

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	15,267.98	1,813.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16		**Vertical Wheelchair Lifts** *(14 42)*		
14 42 16 00-0001		Wheelchair Lift (Shorty) *(14 42 16)*		
14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	10,595.87	846.21
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	13,032.02	1,057.76
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	15,534.78	1,375.08
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	17,454.10	1,586.63
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	18,063.55	755.54
		Note: 500 Lb. capacity, interior installation.		

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001		Trash Chutes *(14 91 82)*		
14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	35.00	5.42
		For Aluminum, Add	*2.47*	
		For Stainless Steel, Add	*8.63*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	44.62	5.42
		For Aluminum, Add	*3.34*	
		For Stainless Steel, Add	*11.67*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	49.16	6.78
		For Aluminum, Add	*3.70*	
		For Stainless Steel, Add	*12.94*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	74.12	6.78
		For Aluminum, Add	*6.09*	
		For Stainless Steel, Add	*21.32*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	804.59	37.95
		For Aluminum, Add	*72.82*	
		For Stainless Steel, Add	*254.88*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	402.71	74.54
		For Aluminum, Add	*25.33*	
		For Stainless Steel, Add	*88.65*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	282.66	81.31
		For Aluminum, Add	*11.08*	
		For Stainless Steel, Add	*38.79*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	76.28	28.45
		For Aluminum, Add	*1.90*	
		For Stainless Steel, Add	*6.65*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	683.38	101.64
		For Aluminum, Add	*46.86*	
		For Stainless Steel, Add	*164.01*	
14 91 82 00-0011	EA	Hopper Doors	1,553.14	77.90

14 92 Pneumatic Tube Systems *(14 90)*

14 92 00 00-0001		Pneumatic Message Tube Station *(14 92)*		
		Note: Twin tube, two or more stations, conventional		
14 92 00 00-0002	LF	2-1/2" Tube With Bracketing	51.25	17.19
14 92 00 00-0003	LF	3" Tube With Bracketing	61.91	23.13
14 92 00 00-0004	LF	4" Tube With Bracketing	69.45	21.16
14 92 00 00-0005	LF	6" Tube With Bracketing	84.02	26.44
14 92 00 00-0006	LF	4" x 7" Oval Tube With Bracketing	87.98	28.43
14 92 00 00-0007	EA	Blower Assembly	7,532.28	528.88
14 92 00 00-0008	EA	Receiving Station, Round Or Oval	724.97	140.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 92 00 00-0009	EA	Multi-Sided Dispatching Station, 3 Carrier	2,709.14	198.33
14 92 00 00-0010	EA	Laboratory Receiving Station, Round Or Oval	1,900.61	178.50
14 92 00 00-0011	EA	2-Way Diverter Station	3,389.98	198.33
14 92 00 00-0012	EA	3-Way Diverter Station	4,336.47	231.39
14 92 00 00-0013	EA	4-Way Diverter Station	5,212.54	264.44

END OF SECTION 14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	47.90
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	49.91
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	54.89
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	58.58
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	63.49
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	80.99
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	103.24
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	120.05
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	137.65
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	75.52
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	79.67
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	88.19
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	96.92
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	106.88
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	138.08
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	167.96
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	191.54
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	217.31
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	107.22
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	111.64
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	123.37
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	135.32
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	152.80
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	187.00
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	220.20
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	265.44
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	326.74
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	335.26
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	359.28

22 01 10 61-0031 Replace Drain Covers *(22 01 10 61)*

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	59.27
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	59.29
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	42.71
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.44
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.31
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	51.05
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	58.75
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	81.48
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	64.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	65.80	
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.88	
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	88.86	
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	72.95	
22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	76.38	
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	81.40	
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	84.55	
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	107.34	
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	91.39	
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	95.87	
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	99.29	
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	110.13	
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	129.61	
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	142.12	
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	149.98	
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	176.21	
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	159.66	
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	161.07	
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.80	
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.06	
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.49	
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	185.16	
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.96	
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.95	
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.88	
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.29	
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	167.06	
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	48.72	
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	52.73	
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	62.14	
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	81.66	
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	122.24	
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	183.20	
22 01 10 61-0074		Repair And Tape Pipe Insulation Seam *(22 01 10 61)*		
22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.39	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Diameter Compression Shut-off Valve With 15" Polybutylene Supply Tube	68.03	
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Diameter Compression x 1/2" Diameter FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	24.61	
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	32.84	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	46.11	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	71.45	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	44.89	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	49.20	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	59.09	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	45.53	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	127.36	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	34.52	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	18.66	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	19.59	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.66	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	10.37	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" Diameter x 8"	30.44	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" Diameter	50.24	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	38.21	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	36.46	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	41.06	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	30.91	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Diameter Faucet Hole Cover	22.64	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	43.08	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	10.71	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	168.63	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	214.89	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	229.96	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	244.50	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	219.95	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	27.17	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	19.60	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	21.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	79.00	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	81.01	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	336.87	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	73.26	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	50.85	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	12.19	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	83.02	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	43.43	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	47.54	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	29.97	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	39.58	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	44.55	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	32.95	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	261.56	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	330.20	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	198.45	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	102.30	13.28
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*11.60*	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	104.33	13.28
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*12.21*	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	106.84	13.28
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*12.85*	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	126.51	14.61
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*17.32*	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	154.15	16.60
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*20.96*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	226.10	17.66
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*26.55*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	251.67	20.44
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*30.64*	
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	301.87	24.16
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*36.21*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	688.50	32.64
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*48.90*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	808.19	37.89
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*56.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0013		Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)		
22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	123.50	13.28
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*11.60*	
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	125.35	13.28
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*12.21*	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	146.02	13.28
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*12.85*	
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	165.70	14.61
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*17.32*	
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	198.86	16.60
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*20.96*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	287.25	17.66
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*26.55*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	328.59	20.44
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*30.64*	
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	420.72	24.16
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*36.21*	
22 05 23 00-0022		200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*		
		Note: 200 psi cold working pressure.		
22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	140.82	13.28
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	158.60	14.61
		For Work In Restricted Working Space, Add	*10.21*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	208.43	16.60
		For Work In Restricted Working Space, Add	*12.20*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	284.17	17.66
		For Work In Restricted Working Space, Add	*13.44*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	329.42	20.44
		For Work In Restricted Working Space, Add	*14.94*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	453.41	24.16
		For Work In Restricted Working Space, Add	*17.93*	
22 05 23 00-0029		Ball Valves *(22 05 23)*		
22 05 23 00-0030		Crimped Bronze, Ball Valves *(22 05 23 00-0029)*		
22 05 23 00-0031		Crimped Bronze, 250 PSI, Ball Valves *(22 05 23 00-0030)*		
		Note: NIBCO		
22 05 23 00-0032	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	96.88	13.28
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0033	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	125.34	14.61
		For Work In Restricted Working Space, Add	*10.21*	
22 05 23 00-0034	EA	1" Diameter, Crimped Bronze, 250 PSI, Ball Valve	160.86	16.60
		For Work In Restricted Working Space, Add	*12.20*	
22 05 23 00-0035	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	259.80	17.66
		For Work In Restricted Working Space, Add	*13.44*	
22 05 23 00-0036	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	343.34	20.44
		For Work In Restricted Working Space, Add	*14.94*	
22 05 23 00-0037	EA	2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	517.41	24.16
		For Work In Restricted Working Space, Add	*17.93*	
22 05 23 00-0038		Crimped Bronze, 200 PSI, Full Port Ball Valves *(22 05 23 00-0030)*		
22 05 23 00-0039	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	59.10	13.28
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0040	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	75.10	14.61
		For Work In Restricted Working Space, Add	*10.21*	
22 05 23 00-0041	EA	1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	91.22	16.60
		For Work In Restricted Working Space, Add	*12.20*	
22 05 23 00-0042	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	126.98	17.66
		For Work In Restricted Working Space, Add	*13.44*	
22 05 23 00-0043	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	163.55	20.44
		For Work In Restricted Working Space, Add	*14.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0044	EA	2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	241.45	24.16
		For Work In Restricted Working Space, Add	*17.93*	
22 05 23 00-0045		**Crimped Bronze, 250 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0046	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	67.79	13.28
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0047	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	81.42	14.61
		For Work In Restricted Working Space, Add	*10.21*	
22 05 23 00-0048	EA	1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	101.33	16.60
		For Work In Restricted Working Space, Add	*12.20*	
22 05 23 00-0049	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	158.57	17.66
		For Work In Restricted Working Space, Add	*13.44*	
22 05 23 00-0050	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	231.49	20.44
		For Work In Restricted Working Space, Add	*14.94*	
22 05 23 00-0051	EA	2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	320.45	24.16
		For Work In Restricted Working Space, Add	*17.93*	
22 05 23 00-0052		**Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0053	EA	1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	65.42	13.28
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0054	EA	3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	79.21	14.61
		For Work In Restricted Working Space, Add	*10.21*	
22 05 23 00-0055	EA	1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	96.27	16.60
		For Work In Restricted Working Space, Add	*12.20*	
22 05 23 00-0056		**Check Valves** *(22 05 23)*		
22 05 23 00-0057		**Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves** *(22 05 23 00-0056)* Note: NIBCO		
22 05 23 00-0058	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	184.73	13.28
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0059	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	235.12	14.61
		For Work In Restricted Working Space, Add	*10.21*	
22 05 23 00-0060	EA	1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	324.96	16.60
		For Work In Restricted Working Space, Add	*12.20*	
22 05 23 00-0061	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	433.12	17.66
		For Work In Restricted Working Space, Add	*13.44*	
22 05 23 00-0062	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	516.69	20.44
		For Work In Restricted Working Space, Add	*14.94*	
22 05 23 00-0063	EA	2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	739.31	24.16
		For Work In Restricted Working Space, Add	*17.93*	
22 05 23 00-0064		**Crimped Bronze, 250 PSI, In-Line, Check Valves** *(22 05 23 00-0056)*		
22 05 23 00-0065	EA	1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	52.43	13.28
		For Work In Restricted Working Space, Add	*8.96*	
22 05 23 00-0066	EA	3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	62.89	14.61
		For Work In Restricted Working Space, Add	*10.21*	
22 05 23 00-0067	EA	1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	73.93	16.60
		For Work In Restricted Working Space, Add	*12.20*	
22 05 23 00-0068	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	92.92	17.66
		For Work In Restricted Working Space, Add	*13.44*	
22 05 23 00-0069	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	118.09	20.44
		For Work In Restricted Working Space, Add	*14.94*	
22 05 23 00-0070	EA	2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	184.05	24.16
		For Work In Restricted Working Space, Add	*17.93*	
22 05 23 00-0071		**Butterfly Valves** *(22 05 23)*		
22 05 23 00-0072		**Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve** *(22 05 23 00-0071)*		
22 05 23 00-0073	EA	2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,378.26	35.45
		For Work In Restricted Working Space, Add	*20.91*	
22 05 23 00-0074	EA	3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,492.21	41.16
		For Work In Restricted Working Space, Add	*24.90*	
22 05 23 00-0075	EA	4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,865.45	46.47
		For Work In Restricted Working Space, Add	*32.86*	
22 05 23 00-0076		**Emergency Shut-Off Valve With Fusible Link** *(22 05 23)*		
22 05 23 00-0077		**Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)** *(22 05 23 00-0076)* Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
22 05 23 00-0078	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	96.83	21.38
		For Work In Restricted Working Space, Add	*11.60*	
22 05 23 00-0079	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	98.91	22.57
		For Work In Restricted Working Space, Add	*12.22*	
22 05 23 00-0080	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	162.54	21.38
		For Work In Restricted Working Space, Add	*12.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0081	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	323.53	28.81
		For Work In Restricted Working Space, Add	*17.32*	
22 05 23 00-0082	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	823.46	34.92
		For Work In Restricted Working Space, Add	*20.96*	
22 05 23 00-0083		Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0076)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0084	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	622.65	20.44
22 05 23 00-0085	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	670.57	24.16
22 05 23 00-0086	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,127.86	37.89
22 05 23 00-0087		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0076)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0088	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	779.54	176.98
22 05 23 00-0089	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,260.59	207.82
22 05 23 00-0090	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,869.12	348.41
22 05 23 00-0091		Regulator Valves *(22 05 23)*		
22 05 23 00-0092	EA	4" Diameter, Regulator Valve (Cla-Val)	4,053.46	
22 05 23 00-0093	EA	8" Diameter, Regulator Valve (Cla-Val)	5,513.89	
22 05 23 00-0094	EA	10" Diameter, Regulator Valve (Cla-Val)	7,517.65	
22 05 23 00-0095	EA	12" Diameter, Regulator Valve (Cla-Val)	9,117.48	
22 05 23 00-0096	EA	18" Diameter, Regulator Valve (Cla-Val)	16,028.28	
22 05 23 00-0097	EA	24" Diameter, Regulator Valve (Cla-Val)	25,922.09	
22 05 23 00-0098		Earthquake-Sensitive Gas Shut-Off Valves *(22 05 23)*		
22 05 23 00-0099		0.5 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0100	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	190.93	14.61
22 05 23 00-0101	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	216.53	16.60
22 05 23 00-0102		7 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0103	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	253.49	17.66
22 05 23 00-0104	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	340.44	20.44
22 05 23 00-0105		60 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0106	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	234.92	14.61
22 05 23 00-0107	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	247.08	16.60
22 05 23 00-0108	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	277.94	17.66
22 05 23 00-0109	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	377.10	20.44
22 05 23 00-0110	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	853.96	24.16
22 05 23 00-0111	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,017.91	32.52
22 05 23 00-0112	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,318.51	37.89
22 05 23 00-0113	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,527.71	42.78
22 05 23 00-0114		60 PSI Flanged Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0115	EA	2" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,198.96	176.98
22 05 23 00-0116	EA	3" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,476.09	207.82
22 05 23 00-0117	EA	4" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,086.44	348.41
22 05 23 00-0118	EA	6" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,387.10	410.66
22 05 23 00-0119	EA	8" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,084.33	524.73

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	842.21	70.63
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	907.12	88.56
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,133.51	107.01
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,635.10	119.76
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,016.98	129.72
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	973.25	70.63
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,040.24	88.56
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,266.63	107.01
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,768.22	119.76
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0013	EA	6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,150.10	129.72
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0014		**Wall Cover For Cleanout** *(22 05 76)* Note: Cover and screw only.		
22 05 76 00-0015		**Round Access Cover, Bronze Polished Top** *(22 05 76 00-0014)* Note: Cover and screw only.		
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	93.11	22.17
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	101.97	26.56
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	127.90	29.87
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	206.54	33.19
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	303.19	36.51
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0021		**Square Wall Access Panel, Bronze Polished Top** *(22 05 76 00-0014)* Note: Cover and screw only.		
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	593.11	22.17
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	854.51	23.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	913.06	24.57
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	1,021.34	27.89
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0026		**Secured Square Wall Access Panel, Bronze Polished Top** *(22 05 76 00-0014)* Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	603.60	22.17
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	869.96	23.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	929.58	24.57
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,039.81	27.89
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0031		**Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated** *(22 05 76 00-0014)* Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	585.48	22.17
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	810.40	23.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,149.70	24.57
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,391.99	27.89
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0036		**Cast Iron Cleanout Tee** *(22 05 76)*		
22 05 76 00-0037		**Cast Iron Cleanout Tee And Round Access Cover** *(22 05 76 00-0036)* Note: Satin smooth secured cover.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0038	EA	2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	643.64	70.63
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0039	EA	3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	731.71	88.43
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0040	EA	4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	959.41	107.01
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0041	EA	6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	2,352.25	129.72
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0043	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,146.04	70.63
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0044	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,234.11	88.43
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0045	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,428.47	107.01
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0046	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	3,030.85	129.72
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*

22 05 76 00-0048	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug	497.30	57.76
22 05 76 00-0049	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug	556.47	63.07
22 05 76 00-0050	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug	741.95	82.99
22 05 76 00-0051	EA	5" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,123.37	98.25
22 05 76 00-0052	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,931.63	116.17

22 05 76 00-0053 Removable Cleanout Plug *(22 05 76)*

22 05 76 00-0054 Threaded Bronze Plugs *(22 05 76 00-0053)*

22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug	87.23	16.60
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Diameter, Threaded Bronze Plug	104.61	18.06
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Diameter, Threaded Bronze Plug	179.61	19.92
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Diameter, Threaded Bronze Plug	200.97	23.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Diameter, Threaded Bronze Plug	227.23	26.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Diameter, Threaded Bronze Plug	319.66	29.87
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Diameter, Threaded Bronze Plug	470.90	33.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Diameter, Threaded Bronze Plug	796.06	36.51
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Diameter, Threaded Bronze Plug	1,145.83	39.83
		For Plug Tapped For Center Screw, Add	*9.50*	

22 05 76 00-0064 Threaded Brass Plugs *(22 05 76 00-0053)*

22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	36.65	16.60
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	37.26	16.60
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	40.60	18.06
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	45.90	19.91
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	54.17	23.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	63.54	26.55
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	68.21	27.97
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	73.25	29.87
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	94.52	33.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	36.18	16.60
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	36.85	16.60
		For Plug Tapped For Center Screw, Add	*9.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	41.91	18.06
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	46.09	19.92
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	53.61	23.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	62.65	26.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	72.77	29.87
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	86.67	33.19
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	397.00	35.60

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.51	3.48
		For Single Layer Of Felt Finish, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.74	3.48
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.47	3.64
		For Single Layer Of Felt Finish, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.90	3.80
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*3.05*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	13.27	3.80
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	14.03	3.96
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	14.69	4.11
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	15.48	4.27
		For Single Layer Of Felt Finish, Add	*0.42*	
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	17.54	4.59
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.73*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	20.69	5.38
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.35*	

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.49	4.74
		For Single Layer Of Felt Finish, Add	*0.26*	
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.85	4.74
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.10	4.74
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*3.96*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.67	4.90
		For Single Layer Of Felt Finish, Add	*0.35*	
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	17.09	4.90
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*4.07*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	17.80	5.07
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*4.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	18.75	5.38
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*4.35*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	19.68	5.54
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	22.20	5.85
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.80*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	25.64	6.80
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*5.42*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	31.54	7.60
		For Single Layer Of Felt Finish, Add	*1.14*	
		For Work In Restricted Working Space, Add	*6.22*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	37.11	9.02
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*7.34*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	42.59	10.28
		For Single Layer Of Felt Finish, Add	*1.51*	
		For Work In Restricted Working Space, Add	*8.48*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	45.87	11.24
		For Single Layer Of Felt Finish, Add	*1.75*	
		For Work In Restricted Working Space, Add	*8.78*	

22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.60	4.88
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*4.07*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.83	4.88
		For Single Layer Of Felt Finish, Add	*0.55*	
		For Work In Restricted Working Space, Add	*4.07*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.90	5.18
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.58	5.29
		For Single Layer Of Felt Finish, Add	*0.63*	
		For Work In Restricted Working Space, Add	*4.39*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	21.17	5.38
		For Single Layer Of Felt Finish, Add	*0.66*	
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	22.57	5.67
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*4.71*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	23.52	5.76
		For Single Layer Of Felt Finish, Add	*0.79*	
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	24.29	5.97
		For Single Layer Of Felt Finish, Add	*0.82*	
		For Work In Restricted Working Space, Add	*4.96*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.77	6.45
		For Single Layer Of Felt Finish, Add	*0.94*	
		For Work In Restricted Working Space, Add	*5.36*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	31.01	7.53
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*6.26*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	34.73	7.94
		For Single Layer Of Felt Finish, Add	*1.34*	
		For Work In Restricted Working Space, Add	*6.60*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	42.39	9.51
		For Single Layer Of Felt Finish, Add	*1.69*	
		For Work In Restricted Working Space, Add	*7.90*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	48.15	11.08
		For Single Layer Of Felt Finish, Add	*1.83*	
		For Work In Restricted Working Space, Add	*9.20*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	53.85	12.14
		For Single Layer Of Felt Finish, Add	*2.12*	
		For Work In Restricted Working Space, Add	*10.09*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	22.80	5.38
		For Single Layer Of Felt Finish, Add	*0.83*	
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	23.07	5.38
		For Single Layer Of Felt Finish, Add	*0.86*	
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	23.82	5.54
		For Single Layer Of Felt Finish, Add	*0.92*	
		For Work In Restricted Working Space, Add	*4.52*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	24.51	5.54
		For Single Layer Of Felt Finish, Add	*0.97*	
		For Work In Restricted Working Space, Add	*4.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	25.23	5.70
		For Single Layer Of Felt Finish, Add	*1.03*	
		For Work In Restricted Working Space, Add	*4.64*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	26.17	5.85
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*4.80*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	27.49	6.01
		For Single Layer Of Felt Finish, Add	*1.15*	
		For Work In Restricted Working Space, Add	*4.97*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	28.92	6.33
		For Single Layer Of Felt Finish, Add	*1.24*	
		For Work In Restricted Working Space, Add	*5.15*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	31.56	6.64
		For Single Layer Of Felt Finish, Add	*1.42*	
		For Work In Restricted Working Space, Add	*5.42*	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	37.36	7.80
		For Single Layer Of Felt Finish, Add	*1.65*	
		For Work In Restricted Working Space, Add	*6.51*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	42.26	8.24
		For Single Layer Of Felt Finish, Add	*2.03*	
		For Work In Restricted Working Space, Add	*6.87*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	50.58	9.86
		For Single Layer Of Felt Finish, Add	*2.43*	
		For Work In Restricted Working Space, Add	*8.22*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	58.26	11.82
		For Single Layer Of Felt Finish, Add	*2.67*	
		For Work In Restricted Working Space, Add	*9.84*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	74.56	12.89
		For Single Layer Of Felt Finish, Add	*3.02*	
		For Work In Restricted Working Space, Add	*13.74*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	78.55	15.11
		For Single Layer Of Felt Finish, Add	*3.44*	
		For Work In Restricted Working Space, Add	*13.74*	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	87.00	15.87
		For Single Layer Of Felt Finish, Add	*4.09*	
		For Work In Restricted Working Space, Add	*14.42*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	98.64	18.13
		For Single Layer Of Felt Finish, Add	*4.59*	
		For Work In Restricted Working Space, Add	*16.49*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	114.82	21.91
		For Single Layer Of Felt Finish, Add	*5.09*	
		For Work In Restricted Working Space, Add	*19.92*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.18	6.33
		For Single Layer Of Felt Finish, Add	*1.16*	
		For Work In Restricted Working Space, Add	*5.15*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.56	6.33
		For Single Layer Of Felt Finish, Add	*1.20*	
		For Work In Restricted Working Space, Add	*5.15*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.66	6.33
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.23*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.47	6.48
		For Single Layer Of Felt Finish, Add	*1.35*	
		For Work In Restricted Working Space, Add	*5.27*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	31.32	6.48
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*5.31*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	32.61	6.80
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*5.53*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	34.42	6.96
		For Single Layer Of Felt Finish, Add	*1.61*	
		For Work In Restricted Working Space, Add	*5.72*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	36.07	7.28
		For Single Layer Of Felt Finish, Add	*1.71*	
		For Work In Restricted Working Space, Add	*5.92*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	39.83	7.60
		For Single Layer Of Felt Finish, Add	*2.00*	
		For Work In Restricted Working Space, Add	*6.24*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	45.65	8.07
		For Single Layer Of Felt Finish, Add	*2.31*	
		For Work In Restricted Working Space, Add	*7.10*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	60.58	9.65
		For Single Layer Of Felt Finish, Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.91*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	72.28	11.08
		For Single Layer Of Felt Finish, Add	*4.40*	
		For Work In Restricted Working Space, Add	*9.12*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	82.38	13.77
		For Single Layer Of Felt Finish, Add	*4.68*	
		For Work In Restricted Working Space, Add	*11.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	93.06	15.19
		For Single Layer Of Felt Finish, Add	*5.44*	
		For Work In Restricted Working Space, Add	*12.38*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	109.80	19.31
		For Single Layer Of Felt Finish, Add	*5.99*	
		For Work In Restricted Working Space, Add	*15.82*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	118.00	20.25
		For Single Layer Of Felt Finish, Add	*6.58*	
		For Work In Restricted Working Space, Add	*16.61*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	133.95	23.11
		For Single Layer Of Felt Finish, Add	*7.42*	
		For Work In Restricted Working Space, Add	*18.99*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	157.68	27.91
		For Single Layer Of Felt Finish, Add	*8.53*	
		For Work In Restricted Working Space, Add	*22.94*	

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	31.08	7.00
		For Single Layer Of Felt Finish, Add	*1.27*	
		For Work In Restricted Working Space, Add	*5.70*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	31.49	7.00
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*5.70*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	32.61	7.06
		For Single Layer Of Felt Finish, Add	*1.41*	
		For Work In Restricted Working Space, Add	*5.76*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	33.48	7.11
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*5.80*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	34.48	7.19
		For Single Layer Of Felt Finish, Add	*1.57*	
		For Work In Restricted Working Space, Add	*5.86*	
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	35.82	7.46
		For Single Layer Of Felt Finish, Add	*1.63*	
		For Work In Restricted Working Space, Add	*6.08*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	37.79	7.71
		For Single Layer Of Felt Finish, Add	*1.77*	
		For Work In Restricted Working Space, Add	*6.28*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	39.62	7.99
		For Single Layer Of Felt Finish, Add	*1.88*	
		For Work In Restricted Working Space, Add	*6.51*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	43.77	8.43
		For Single Layer Of Felt Finish, Add	*2.19*	
		For Work In Restricted Working Space, Add	*6.87*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	50.15	9.57
		For Single Layer Of Felt Finish, Add	*2.53*	
		For Work In Restricted Working Space, Add	*7.80*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	66.53	10.66
		For Single Layer Of Felt Finish, Add	*3.94*	
		For Work In Restricted Working Space, Add	*8.70*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	79.40	12.31
		For Single Layer Of Felt Finish, Add	*4.82*	
		For Work In Restricted Working Space, Add	*10.04*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	90.51	15.30
		For Single Layer Of Felt Finish, Add	*5.14*	
		For Work In Restricted Working Space, Add	*12.47*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	102.24	16.70
		For Single Layer Of Felt Finish, Add	*5.97*	
		For Work In Restricted Working Space, Add	*13.62*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	120.63	21.35
		For Single Layer Of Felt Finish, Add	*6.58*	
		For Work In Restricted Working Space, Add	*17.40*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	129.64	22.42
		For Single Layer Of Felt Finish, Add	*7.22*	
		For Work In Restricted Working Space, Add	*18.28*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	147.19	25.63
		For Single Layer Of Felt Finish, Add	*8.14*	
		For Work In Restricted Working Space, Add	*20.90*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	173.26	30.95
		For Single Layer Of Felt Finish, Add	*9.36*	
		For Work In Restricted Working Space, Add	*25.24*	

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	33.53	7.60
		For Single Layer Of Felt Finish, Add	*1.34*	
		For Work In Restricted Working Space, Add	*6.24*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	34.01	7.60
		For Single Layer Of Felt Finish, Add	*1.39*	
		For Work In Restricted Working Space, Add	*6.24*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	35.62	7.60
		For Single Layer Of Felt Finish, Add	*1.54*	
		For Work In Restricted Working Space, Add	*6.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	36.56	7.75
		For Single Layer Of Felt Finish, Add	*1.62*	
		For Work In Restricted Working Space, Add	*6.33*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	37.68	7.75
		For Single Layer Of Felt Finish, Add	*1.71*	
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	39.08	8.07
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*6.62*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	41.25	8.38
		For Single Layer Of Felt Finish, Add	*1.93*	
		For Work In Restricted Working Space, Add	*6.85*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	43.12	8.70
		For Single Layer Of Felt Finish, Add	*2.04*	
		For Work In Restricted Working Space, Add	*7.10*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	47.83	9.18
		For Single Layer Of Felt Finish, Add	*2.40*	
		For Work In Restricted Working Space, Add	*7.50*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	54.75	10.44
		For Single Layer Of Felt Finish, Add	*2.77*	
		For Work In Restricted Working Space, Add	*8.51*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	72.66	11.55
		For Single Layer Of Felt Finish, Add	*4.31*	
		For Work In Restricted Working Space, Add	*9.49*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	86.73	13.29
		For Single Layer Of Felt Finish, Add	*5.28*	
		For Work In Restricted Working Space, Add	*10.95*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	98.85	16.61
		For Single Layer Of Felt Finish, Add	*5.62*	
		For Work In Restricted Working Space, Add	*13.61*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	111.68	18.19
		For Single Layer Of Felt Finish, Add	*6.53*	
		For Work In Restricted Working Space, Add	*14.86*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	131.79	23.11
		For Single Layer Of Felt Finish, Add	*7.19*	
		For Work In Restricted Working Space, Add	*18.99*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	141.59	24.36
		For Single Layer Of Felt Finish, Add	*7.89*	
		For Work In Restricted Working Space, Add	*19.94*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	160.79	27.85
		For Single Layer Of Felt Finish, Add	*8.90*	
		For Work In Restricted Working Space, Add	*22.80*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	189.24	33.55
		For Single Layer Of Felt Finish, Add	*10.23*	
		For Work In Restricted Working Space, Add	*27.53*	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	37.98	8.54
		For Single Layer Of Felt Finish, Add	*1.56*	
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	38.51	8.54
		For Single Layer Of Felt Finish, Add	*1.62*	
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	40.00	8.54
		For Single Layer Of Felt Finish, Add	*1.73*	
		For Work In Restricted Working Space, Add	*7.06*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	41.22	8.70
		For Single Layer Of Felt Finish, Add	*1.83*	
		For Work In Restricted Working Space, Add	*7.14*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	42.90	9.02
		For Single Layer Of Felt Finish, Add	*1.93*	
		For Work In Restricted Working Space, Add	*7.36*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	44.46	9.34
		For Single Layer Of Felt Finish, Add	*2.01*	
		For Work In Restricted Working Space, Add	*7.59*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	46.40	9.34
		For Single Layer Of Felt Finish, Add	*2.17*	
		For Work In Restricted Working Space, Add	*7.71*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	48.70	9.81
		For Single Layer Of Felt Finish, Add	*2.32*	
		For Work In Restricted Working Space, Add	*7.99*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	53.76	10.28
		For Single Layer Of Felt Finish, Add	*2.69*	
		For Work In Restricted Working Space, Add	*8.43*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	61.58	11.71
		For Single Layer Of Felt Finish, Add	*3.12*	
		For Work In Restricted Working Space, Add	*9.57*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	81.74	12.65
		For Single Layer Of Felt Finish, Add	*4.85*	
		For Work In Restricted Working Space, Add	*10.67*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	97.59	15.04
		For Single Layer Of Felt Finish, Add	*5.93*	
		For Work In Restricted Working Space, Add	*12.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	111.23	18.67
		For Single Layer Of Felt Finish, Add	*6.32*	
		For Work In Restricted Working Space, Add	*15.31*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	125.68	20.41
		For Single Layer Of Felt Finish, Add	*7.34*	
		For Work In Restricted Working Space, Add	*16.72*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	148.33	26.11
		For Single Layer Of Felt Finish, Add	*8.09*	
		For Work In Restricted Working Space, Add	*21.38*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	159.21	27.38
		For Single Layer Of Felt Finish, Add	*8.88*	
		For Work In Restricted Working Space, Add	*22.40*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	178.68	31.33
		For Single Layer Of Felt Finish, Add	*9.79*	
		For Work In Restricted Working Space, Add	*25.64*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	212.92	37.82
		For Single Layer Of Felt Finish, Add	*11.51*	
		For Work In Restricted Working Space, Add	*30.98*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	243.38	44.62
		For Single Layer Of Felt Finish, Add	*12.78*	
		For Work In Restricted Working Space, Add	*36.51*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	274.77	52.53
		For Single Layer Of Felt Finish, Add	*13.80*	
		For Work In Restricted Working Space, Add	*43.00*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	310.43	62.02
		For Single Layer Of Felt Finish, Add	*14.77*	
		For Work In Restricted Working Space, Add	*50.93*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	375.66	78.86
		For Single Layer Of Felt Finish, Add	*16.78*	
		For Work In Restricted Working Space, Add	*64.76*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	440.90	96.04
		For Single Layer Of Felt Finish, Add	*18.79*	
		For Work In Restricted Working Space, Add	*78.59*	
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	474.58	105.54
		For Single Layer Of Felt Finish, Add	*19.51*	
		For Work In Restricted Working Space, Add	*86.62*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	504.79	113.61
		For Single Layer Of Felt Finish, Add	*20.30*	
		For Work In Restricted Working Space, Add	*93.44*	

22 07 19 00-0145 4-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0146	LF	1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	41.74	9.19
		For Single Layer Of Felt Finish, Add	*1.77*	
		For Work In Restricted Working Space, Add	*7.45*	
22 07 19 00-0147	LF	3/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	42.35	9.19
		For Single Layer Of Felt Finish, Add	*1.84*	
		For Work In Restricted Working Space, Add	*7.45*	
22 07 19 00-0148	LF	1" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	44.05	9.19
		For Single Layer Of Felt Finish, Add	*1.97*	
		For Work In Restricted Working Space, Add	*7.59*	
22 07 19 00-0149	LF	1-1/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	45.40	9.36
		For Single Layer Of Felt Finish, Add	*2.08*	
		For Work In Restricted Working Space, Add	*7.67*	
22 07 19 00-0150	LF	1-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	47.26	9.70
		For Single Layer Of Felt Finish, Add	*2.19*	
		For Work In Restricted Working Space, Add	*7.91*	
22 07 19 00-0151	LF	2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	49.00	10.04
		For Single Layer Of Felt Finish, Add	*2.29*	
		For Work In Restricted Working Space, Add	*8.16*	
22 07 19 00-0152	LF	2-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	51.18	10.04
		For Single Layer Of Felt Finish, Add	*2.47*	
		For Work In Restricted Working Space, Add	*8.28*	
22 07 19 00-0153	LF	3" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	53.73	10.54
		For Single Layer Of Felt Finish, Add	*2.64*	
		For Work In Restricted Working Space, Add	*8.59*	
22 07 19 00-0154	LF	4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	59.40	11.06
		For Single Layer Of Felt Finish, Add	*3.06*	
		For Work In Restricted Working Space, Add	*9.07*	
22 07 19 00-0155	LF	6" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	68.07	12.58
		For Single Layer Of Felt Finish, Add	*3.55*	
		For Work In Restricted Working Space, Add	*10.29*	
22 07 19 00-0156	LF	8" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	90.76	13.61
		For Single Layer Of Felt Finish, Add	*5.51*	
		For Work In Restricted Working Space, Add	*11.47*	
22 07 19 00-0157	LF	10" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	108.45	16.16
		For Single Layer Of Felt Finish, Add	*6.75*	
		For Work In Restricted Working Space, Add	*13.25*	
22 07 19 00-0158	LF	12" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	123.35	20.07
		For Single Layer Of Felt Finish, Add	*7.19*	
		For Work In Restricted Working Space, Add	*16.46*	
22 07 19 00-0159	LF	14" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	139.49	21.94
		For Single Layer Of Felt Finish, Add	*8.35*	
		For Work In Restricted Working Space, Add	*17.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0160	LF	16" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	164.28	28.06
		For Single Layer Of Felt Finish, Add	*9.21*	
		For Work In Restricted Working Space, Add	*22.98*	
22 07 19 00-0161	LF	18" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	176.46	29.43
		For Single Layer Of Felt Finish, Add	*10.10*	
		For Work In Restricted Working Space, Add	*24.08*	
22 07 19 00-0162	LF	20" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	197.91	33.68
		For Single Layer Of Felt Finish, Add	*11.13*	
		For Work In Restricted Working Space, Add	*27.56*	
22 07 19 00-0163	LF	24" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	235.76	40.65
		For Single Layer Of Felt Finish, Add	*13.10*	
		For Work In Restricted Working Space, Add	*33.30*	
22 07 19 00-0164	LF	26" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	269.26	47.97
		For Single Layer Of Felt Finish, Add	*14.53*	
		For Work In Restricted Working Space, Add	*39.25*	
22 07 19 00-0165	LF	28" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	303.60	56.47
		For Single Layer Of Felt Finish, Add	*15.70*	
		For Work In Restricted Working Space, Add	*46.22*	
22 07 19 00-0166	LF	30" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	342.53	66.67
		For Single Layer Of Felt Finish, Add	*16.80*	
		For Work In Restricted Working Space, Add	*54.75*	
22 07 19 00-0167	LF	36" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	413.86	84.77
		For Single Layer Of Felt Finish, Add	*19.09*	
		For Work In Restricted Working Space, Add	*69.62*	
22 07 19 00-0168	LF	42" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	485.19	103.25
		For Single Layer Of Felt Finish, Add	*21.38*	
		For Work In Restricted Working Space, Add	*84.48*	
22 07 19 00-0169	LF	44" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	521.83	113.45
		For Single Layer Of Felt Finish, Add	*22.20*	
		For Work In Restricted Working Space, Add	*93.12*	
22 07 19 00-0170	LF	46" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	554.76	122.12
		For Single Layer Of Felt Finish, Add	*23.09*	
		For Work In Restricted Working Space, Add	*100.45*	
22 07 19 00-0171		**5" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0172	LF	1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	46.34	10.10
		For Single Layer Of Felt Finish, Add	*2.00*	
		For Work In Restricted Working Space, Add	*8.20*	
22 07 19 00-0173	LF	3/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	47.02	10.10
		For Single Layer Of Felt Finish, Add	*2.07*	
		For Work In Restricted Working Space, Add	*8.20*	
22 07 19 00-0174	LF	1" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	48.90	10.10
		For Single Layer Of Felt Finish, Add	*2.22*	
		For Work In Restricted Working Space, Add	*8.34*	
22 07 19 00-0175	LF	1-1/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	50.43	10.29
		For Single Layer Of Felt Finish, Add	*2.34*	
		For Work In Restricted Working Space, Add	*8.44*	
22 07 19 00-0176	LF	1-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	52.53	10.66
		For Single Layer Of Felt Finish, Add	*2.47*	
		For Work In Restricted Working Space, Add	*8.71*	
22 07 19 00-0177	LF	2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	54.42	11.04
		For Single Layer Of Felt Finish, Add	*2.57*	
		For Work In Restricted Working Space, Add	*8.97*	
22 07 19 00-0178	LF	2-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	56.88	11.04
		For Single Layer Of Felt Finish, Add	*2.78*	
		For Work In Restricted Working Space, Add	*9.11*	
22 07 19 00-0179	LF	3" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	59.74	11.60
		For Single Layer Of Felt Finish, Add	*2.97*	
		For Work In Restricted Working Space, Add	*9.45*	
22 07 19 00-0180	LF	4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	66.08	12.16
		For Single Layer Of Felt Finish, Add	*3.45*	
		For Work In Restricted Working Space, Add	*9.98*	
22 07 19 00-0181	LF	6" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	75.72	13.85
		For Single Layer Of Felt Finish, Add	*3.99*	
		For Work In Restricted Working Space, Add	*11.32*	
22 07 19 00-0182	LF	8" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	101.14	14.97
		For Single Layer Of Felt Finish, Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.62*	
22 07 19 00-0183	LF	10" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	120.90	17.78
		For Single Layer Of Felt Finish, Add	*7.59*	
		For Work In Restricted Working Space, Add	*14.58*	
22 07 19 00-0184	LF	12" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	137.40	22.08
		For Single Layer Of Felt Finish, Add	*8.09*	
		For Work In Restricted Working Space, Add	*18.10*	
22 07 19 00-0185	LF	14" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	155.43	24.14
		For Single Layer Of Felt Finish, Add	*9.40*	
		For Work In Restricted Working Space, Add	*19.78*	
22 07 19 00-0186	LF	16" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	182.90	30.87
		For Single Layer Of Felt Finish, Add	*10.36*	
		For Work In Restricted Working Space, Add	*25.28*	
22 07 19 00-0187	LF	18" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	196.50	32.37
		For Single Layer Of Felt Finish, Add	*11.36*	
		For Work In Restricted Working Space, Add	*26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0188	LF	20" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	220.36	37.05
		For Single Layer Of Felt Finish, Add	*12.52*	
		For Work In Restricted Working Space, Add	*30.32*	
22 07 19 00-0189	LF	24" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	262.46	44.71
		For Single Layer Of Felt Finish, Add	*14.74*	
		For Work In Restricted Working Space, Add	*36.64*	
22 07 19 00-0190	LF	26" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	299.65	52.76
		For Single Layer Of Felt Finish, Add	*16.35*	
		For Work In Restricted Working Space, Add	*43.18*	
22 07 19 00-0191	LF	28" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	337.72	62.12
		For Single Layer Of Felt Finish, Add	*17.67*	
		For Work In Restricted Working Space, Add	*50.84*	
22 07 19 00-0192	LF	30" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	380.79	73.35
		For Single Layer Of Felt Finish, Add	*18.90*	
		For Work In Restricted Working Space, Add	*60.23*	
22 07 19 00-0193	LF	36" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	459.80	93.25
		For Single Layer Of Felt Finish, Add	*21.48*	
		For Work In Restricted Working Space, Add	*76.58*	
22 07 19 00-0194	LF	42" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	538.80	113.57
		For Single Layer Of Felt Finish, Add	*24.05*	
		For Work In Restricted Working Space, Add	*92.93*	
22 07 19 00-0195	LF	44" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	579.29	124.80
		For Single Layer Of Felt Finish, Add	*24.98*	
		For Work In Restricted Working Space, Add	*102.43*	
22 07 19 00-0196	LF	46" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	615.75	134.34
		For Single Layer Of Felt Finish, Add	*25.98*	
		For Work In Restricted Working Space, Add	*110.50*	

22 07 19 00-0197 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0198 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0199	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	26.92	7.72
		For Work In Restricted Working Space, Add	*7.02*	
22 07 19 00-0200	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	27.81	7.72
		For Work In Restricted Working Space, Add	*7.02*	
22 07 19 00-0201	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	29.05	7.83
		For Work In Restricted Working Space, Add	*7.12*	
22 07 19 00-0202	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	29.70	7.94
		For Work In Restricted Working Space, Add	*7.22*	
22 07 19 00-0203	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	30.63	8.05
		For Work In Restricted Working Space, Add	*7.32*	
22 07 19 00-0204	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	32.46	8.27
		For Work In Restricted Working Space, Add	*7.53*	
22 07 19 00-0205	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	34.77	8.62
		For Work In Restricted Working Space, Add	*7.84*	
22 07 19 00-0206	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	37.20	8.84
		For Work In Restricted Working Space, Add	*8.04*	
22 07 19 00-0207	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	42.53	9.51
		For Work In Restricted Working Space, Add	*8.65*	
22 07 19 00-0208	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	53.25	10.72
		For Work In Restricted Working Space, Add	*9.76*	

22 07 19 00-0209 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0210	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.32	8.56
		For Work In Restricted Working Space, Add	*7.53*	
22 07 19 00-0211	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.89	8.56
		For Work In Restricted Working Space, Add	*7.53*	
22 07 19 00-0212	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	32.79	8.67
		For Work In Restricted Working Space, Add	*7.63*	
22 07 19 00-0213	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	33.53	8.78
		For Work In Restricted Working Space, Add	*7.73*	
22 07 19 00-0214	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	34.23	8.90
		For Work In Restricted Working Space, Add	*7.83*	
22 07 19 00-0215	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	36.84	9.20
		For Work In Restricted Working Space, Add	*8.09*	
22 07 19 00-0216	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	41.17	9.54
		For Work In Restricted Working Space, Add	*8.40*	
22 07 19 00-0217	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	45.01	9.83
		For Work In Restricted Working Space, Add	*8.65*	
22 07 19 00-0218	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	50.57	10.46
		For Work In Restricted Working Space, Add	*9.21*	
22 07 19 00-0219	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	59.25	11.85
		For Work In Restricted Working Space, Add	*10.42*	
22 07 19 00-0220	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	66.25	13.22
		For Work In Restricted Working Space, Add	*11.63*	
22 07 19 00-0221	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	79.88	15.24
		For Work In Restricted Working Space, Add	*13.40*	
22 07 19 00-0222	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	95.30	18.94
		For Work In Restricted Working Space, Add	*16.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0223	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	105.61	19.92
		For Work In Restricted Working Space, Add	*18.10*	
22 07 19 00-0224	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	116.48	22.25
		For Work In Restricted Working Space, Add	*20.23*	
22 07 19 00-0225	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	132.71	26.31
		For Work In Restricted Working Space, Add	*23.93*	
22 07 19 00-0226	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	148.09	29.13
		For Work In Restricted Working Space, Add	*26.49*	
22 07 19 00-0227	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	182.31	32.28
		For Work In Restricted Working Space, Add	*29.34*	

22 07 19 00-0228 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0229	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	34.92	8.84
		For Work In Restricted Working Space, Add	*8.04*	
22 07 19 00-0230	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	35.80	8.84
		For Work In Restricted Working Space, Add	*8.04*	
22 07 19 00-0231	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	36.99	8.94
		For Work In Restricted Working Space, Add	*8.14*	
22 07 19 00-0232	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	38.70	9.07
		For Work In Restricted Working Space, Add	*8.24*	
22 07 19 00-0233	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	40.45	9.18
		For Work In Restricted Working Space, Add	*8.34*	
22 07 19 00-0234	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	44.75	9.51
		For Work In Restricted Working Space, Add	*8.65*	
22 07 19 00-0235	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	46.86	9.86
		For Work In Restricted Working Space, Add	*8.95*	
22 07 19 00-0236	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	50.03	10.17
		For Work In Restricted Working Space, Add	*9.25*	
22 07 19 00-0237	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	55.89	10.74
		For Work In Restricted Working Space, Add	*9.76*	
22 07 19 00-0238	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	66.46	12.20
		For Work In Restricted Working Space, Add	*11.09*	
22 07 19 00-0239	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	73.99	13.61
		For Work In Restricted Working Space, Add	*12.37*	
22 07 19 00-0240	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	89.51	15.68
		For Work In Restricted Working Space, Add	*14.26*	
22 07 19 00-0241	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	110.92	19.50
		For Work In Restricted Working Space, Add	*17.72*	
22 07 19 00-0242	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	118.77	21.28
		For Work In Restricted Working Space, Add	*19.34*	
22 07 19 00-0243	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	141.67	27.20
		For Work In Restricted Working Space, Add	*24.73*	
22 07 19 00-0244	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	153.78	28.56
		For Work In Restricted Working Space, Add	*25.95*	
22 07 19 00-0245	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	170.77	32.64
		For Work In Restricted Working Space, Add	*29.67*	
22 07 19 00-0246	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	213.28	39.43
		For Work In Restricted Working Space, Add	*35.85*	

22 07 19 00-0247 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0248	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.70	9.59
		For Work In Restricted Working Space, Add	*8.72*	
22 07 19 00-0249	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.18	9.57
		For Work In Restricted Working Space, Add	*8.71*	
22 07 19 00-0250	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.17	9.73
		For Work In Restricted Working Space, Add	*8.85*	
22 07 19 00-0251	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	46.89	9.81
		For Work In Restricted Working Space, Add	*8.92*	
22 07 19 00-0252	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	48.62	9.89
		For Work In Restricted Working Space, Add	*8.99*	
22 07 19 00-0253	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.94	10.28
		For Work In Restricted Working Space, Add	*9.36*	
22 07 19 00-0254	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.08	10.65
		For Work In Restricted Working Space, Add	*9.68*	
22 07 19 00-0255	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	59.49	11.02
		For Work In Restricted Working Space, Add	*10.02*	
22 07 19 00-0256	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	66.23	11.62
		For Work In Restricted Working Space, Add	*10.56*	
22 07 19 00-0257	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	78.78	13.22
		For Work In Restricted Working Space, Add	*12.01*	
22 07 19 00-0258	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	87.79	14.73
		For Work In Restricted Working Space, Add	*13.39*	
22 07 19 00-0259	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	100.27	16.98
		For Work In Restricted Working Space, Add	*15.44*	
22 07 19 00-0260	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	124.83	21.11
		For Work In Restricted Working Space, Add	*19.19*	
22 07 19 00-0261	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	130.79	23.04
		For Work In Restricted Working Space, Add	*20.95*	
22 07 19 00-0262	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	155.56	29.45
		For Work In Restricted Working Space, Add	*26.77*	
22 07 19 00-0263	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	168.50	30.92
		For Work In Restricted Working Space, Add	*28.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0264	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	193.61	35.33
		For Work In Restricted Working Space, Add	*32.13*	
22 07 19 00-0265	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	241.55	42.70
		For Work In Restricted Working Space, Add	*38.81*	
22 07 19 00-0266		**3" Thick Foamglas Pipe Insulation** *(22 07 19 00-0197)*		
22 07 19 00-0267	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	49.57	10.19
		For Work In Restricted Working Space, Add	*9.27*	
22 07 19 00-0268	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	50.47	10.19
		For Work In Restricted Working Space, Add	*9.27*	
22 07 19 00-0269	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	51.86	10.36
		For Work In Restricted Working Space, Add	*9.42*	
22 07 19 00-0270	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	52.99	10.42
		For Work In Restricted Working Space, Add	*9.49*	
22 07 19 00-0271	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	54.16	10.52
		For Work In Restricted Working Space, Add	*9.56*	
22 07 19 00-0272	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	57.99	10.94
		For Work In Restricted Working Space, Add	*9.95*	
22 07 19 00-0273	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	61.65	11.33
		For Work In Restricted Working Space, Add	*10.30*	
22 07 19 00-0274	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	69.38	11.73
		For Work In Restricted Working Space, Add	*10.66*	
22 07 19 00-0275	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	78.59	12.36
		For Work In Restricted Working Space, Add	*11.24*	
22 07 19 00-0276	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	86.36	14.05
		For Work In Restricted Working Space, Add	*12.77*	
22 07 19 00-0277	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	97.43	15.67
		For Work In Restricted Working Space, Add	*14.25*	
22 07 19 00-0278	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	115.86	18.07
		For Work In Restricted Working Space, Add	*16.42*	
22 07 19 00-0279	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	135.43	22.45
		For Work In Restricted Working Space, Add	*20.41*	
22 07 19 00-0280	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	145.26	24.51
		For Work In Restricted Working Space, Add	*22.28*	
22 07 19 00-0281	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	174.61	31.33
		For Work In Restricted Working Space, Add	*28.48*	
22 07 19 00-0282	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	186.55	32.89
		For Work In Restricted Working Space, Add	*29.90*	
22 07 19 00-0283	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	218.08	37.60
		For Work In Restricted Working Space, Add	*34.18*	
22 07 19 00-0284	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	266.30	45.43
		For Work In Restricted Working Space, Add	*41.29*	
22 07 19 00-0285		**3-1/2" Thick Foamglas Pipe Insulation** *(22 07 19 00-0197)*		
22 07 19 00-0286	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	59.74	12.36
		For Work In Restricted Working Space, Add	*11.24*	
22 07 19 00-0287	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	60.87	12.36
		For Work In Restricted Working Space, Add	*11.24*	
22 07 19 00-0288	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	62.25	12.43
		For Work In Restricted Working Space, Add	*11.31*	
22 07 19 00-0289	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	63.61	12.51
		For Work In Restricted Working Space, Add	*11.38*	
22 07 19 00-0290	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	65.22	12.67
		For Work In Restricted Working Space, Add	*11.52*	
22 07 19 00-0291	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	71.30	13.12
		For Work In Restricted Working Space, Add	*11.92*	
22 07 19 00-0292	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	77.44	13.58
		For Work In Restricted Working Space, Add	*12.34*	
22 07 19 00-0293	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	81.64	14.05
		For Work In Restricted Working Space, Add	*12.77*	
22 07 19 00-0294	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	87.32	14.85
		For Work In Restricted Working Space, Add	*13.50*	
22 07 19 00-0295	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	100.40	16.86
		For Work In Restricted Working Space, Add	*15.33*	
22 07 19 00-0296	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	113.95	18.78
		For Work In Restricted Working Space, Add	*17.08*	
22 07 19 00-0297	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	135.85	21.68
		For Work In Restricted Working Space, Add	*19.70*	
22 07 19 00-0298	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	161.25	26.95
		For Work In Restricted Working Space, Add	*24.50*	
22 07 19 00-0299	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	168.92	29.42
		For Work In Restricted Working Space, Add	*26.74*	
22 07 19 00-0300	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	203.78	37.60
		For Work In Restricted Working Space, Add	*34.18*	
22 07 19 00-0301	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	222.97	39.48
		For Work In Restricted Working Space, Add	*35.89*	
22 07 19 00-0302	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	253.97	45.15
		For Work In Restricted Working Space, Add	*41.05*	
22 07 19 00-0303	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	311.36	54.51
		For Work In Restricted Working Space, Add	*49.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0304		**4" Thick Foamglas Pipe Insulation** *(22 07 19 00-0197)*		
22 07 19 00-0305	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	72.82	15.19
		For Work In Restricted Working Space, Add	*13.80*	
22 07 19 00-0306	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	74.27	15.19
		For Work In Restricted Working Space, Add	*13.80*	
22 07 19 00-0307	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	76.52	15.45
		For Work In Restricted Working Space, Add	*14.04*	
22 07 19 00-0308	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	78.52	15.63
		For Work In Restricted Working Space, Add	*14.21*	
22 07 19 00-0309	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	81.46	16.12
		For Work In Restricted Working Space, Add	*14.65*	
22 07 19 00-0310	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	87.58	16.61
		For Work In Restricted Working Space, Add	*15.11*	
22 07 19 00-0311	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	92.94	16.88
		For Work In Restricted Working Space, Add	*15.34*	
22 07 19 00-0312	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	97.46	17.50
		For Work In Restricted Working Space, Add	*15.91*	
22 07 19 00-0313	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	106.72	19.51
		For Work In Restricted Working Space, Add	*17.74*	
22 07 19 00-0314	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	122.59	20.94
		For Work In Restricted Working Space, Add	*19.05*	
22 07 19 00-0315	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	137.92	22.72
		For Work In Restricted Working Space, Add	*20.66*	
22 07 19 00-0316	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	158.46	27.00
		For Work In Restricted Working Space, Add	*24.54*	
22 07 19 00-0317	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	186.19	33.53
		For Work In Restricted Working Space, Add	*30.47*	
22 07 19 00-0318	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	202.54	36.61
		For Work In Restricted Working Space, Add	*33.29*	
22 07 19 00-0319	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	242.19	46.81
		For Work In Restricted Working Space, Add	*42.56*	
22 07 19 00-0320	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	267.86	49.07
		For Work In Restricted Working Space, Add	*44.61*	
22 07 19 00-0321	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	300.87	56.15
		For Work In Restricted Working Space, Add	*51.05*	
22 07 19 00-0322	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	379.81	67.85
		For Work In Restricted Working Space, Add	*61.67*	
22 07 19 00-0323		**Flexible Polyethylene Tubing Closed Cell Foam Insulation** *(22 07 19)*		
		Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0324		**3/8" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0323)*		
22 07 19 00-0325	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.97	4.73
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0326	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.99	4.73
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0327	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.38	4.90
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0328	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.78	5.07
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0329	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.13	5.16
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0330	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.53	5.24
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0331	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.69	5.24
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0332	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.12	5.24
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0333	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.00	5.40
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0334	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.40	5.49
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0335		**1/2" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0323)*		
22 07 19 00-0336	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.02	5.16
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0337	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.14	5.16
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0338	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.30	5.24
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0339	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.50	5.27
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0340	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.01	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0341	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.45	5.49
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0342	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.92	5.57
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0343	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.49	5.65
		For Work In Restricted Working Space, Add	*3.39*	

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22 07 19 00-0344	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.50	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0345	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.51	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0346	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.46	5.98
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0347	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.06	6.06
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0348		3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0323)*		
22 07 19 00-0349	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.20	5.57
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0350	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.36	5.65
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0351	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.07	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0352	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.39	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0353	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.26	6.06
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0354	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.09	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0355	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.47	6.19
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0356	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.97	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0357	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.08	6.39
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0358	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.23	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0359	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.74	6.56
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0360	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	21.38	6.64
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0361		1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0323)*		
22 07 19 00-0362	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.80	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0363	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.13	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0364	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.11	6.39
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0365	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.41	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0366	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.85	6.64
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0367	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.60	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0368	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.90	6.89
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0369	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.26	6.98
		For Work In Restricted Working Space, Add	*4.19*	
22 07 19 00-0370	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.27	7.16
		For Work In Restricted Working Space, Add	*4.29*	
22 07 19 00-0371	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	21.12	7.23
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0372		Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*		
		Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0373		3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0372)*		
22 07 19 00-0374	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.10	4.73
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0375	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.21	4.73
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0376	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.59	4.90
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0377	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.81	4.98
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0378	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.04	5.07
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0379	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.32	5.16
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0380	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.58	5.24
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0381	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.79	5.24
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0382	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.98	5.24
		For Work In Restricted Working Space, Add	*3.17*	

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22 07 19 00-0383	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.18	5.32
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0384	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.50	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0385	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.74	5.40
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0386	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.94	5.49
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0387	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.19	5.49
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0388	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.70	5.57
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0389	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.33	5.65
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0390	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.98	5.68
		For Work In Restricted Working Space, Add	*3.41*	
22 07 19 00-0391		**1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex)** *(22 07 19 00-0372)*		
22 07 19 00-0392	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.24	5.16
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0393	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.37	5.16
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0394	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.52	5.24
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0395	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.70	5.24
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0396	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.83	5.24
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0397	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.23	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0398	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.60	5.49
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0399	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.92	5.57
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0400	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.21	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0401	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.46	5.65
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0402	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.33	5.74
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0403	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.88	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0404	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.28	5.87
		For Work In Restricted Working Space, Add	*3.52*	
22 07 19 00-0405	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.61	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0406	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.87	5.95
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0407	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.10	5.98
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0408	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.09	6.06
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0409	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.33	6.11
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-0410	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.26	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0411	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.46	6.31
		For Work In Restricted Working Space, Add	*3.79*	
22 07 19 00-0412	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.78	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0413		**3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex)** *(22 07 19 00-0372)*		
22 07 19 00-0414	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.65	5.57
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0415	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.94	5.65
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0416	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.42	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0417	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.66	5.87
		For Work In Restricted Working Space, Add	*3.52*	
22 07 19 00-0418	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.78	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0419	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.42	6.06
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0420	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.88	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0421	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.35	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0422	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.46	6.23
		For Work In Restricted Working Space, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0423	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.65	6.28
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0424	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.15	6.31
		For Work In Restricted Working Space, Add	*3.79*	
22 07 19 00-0425	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.47	6.39
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0426	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.04	6.44
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0427	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.44	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0428	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.05	6.53
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-0429	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.31	6.56
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0430	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.22	6.64
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0431	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.93	6.69
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0432	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.10	6.72
		For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0433	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.39	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0434	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.98	6.98
		For Work In Restricted Working Space, Add	*4.19*	

22 07 19 00-0435 1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0372)*

22 07 19 00-0436	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.50	6.14
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0437	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.86	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0438	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.36	6.39
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0439	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.69	6.44
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0440	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.98	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0441	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.58	6.64
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0442	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.45	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0443	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.87	6.82
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0444	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.40	6.89
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0445	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.61	6.98
		For Work In Restricted Working Space, Add	*4.19*	
22 07 19 00-0446	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.73	7.08
		For Work In Restricted Working Space, Add	*4.24*	
22 07 19 00-0447	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.62	7.16
		For Work In Restricted Working Space, Add	*4.29*	
22 07 19 00-0448	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.69	7.20
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0449	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.03	7.23
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0450	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.61	7.28
		For Work In Restricted Working Space, Add	*4.36*	
22 07 19 00-0451	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.90	7.31
		For Work In Restricted Working Space, Add	*4.39*	
22 07 19 00-0452	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.04	7.49
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0453	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.45	7.57
		For Work In Restricted Working Space, Add	*4.54*	
22 07 19 00-0454	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.49	7.64
		For Work In Restricted Working Space, Add	*4.59*	
22 07 19 00-0455	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.73	7.82
		For Work In Restricted Working Space, Add	*4.69*	

22 07 19 00-0456 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0372)*

22 07 19 00-0457	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.05	6.88
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0458	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.54	7.03
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0459	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.88	7.08
		For Work In Restricted Working Space, Add	*4.25*	
22 07 19 00-0460	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.21	7.14
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0461	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.78	7.30
		For Work In Restricted Working Space, Add	*4.37*	
22 07 19 00-0462	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.72	7.57
		For Work In Restricted Working Space, Add	*4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0463	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.76	7.46
		For Work In Restricted Working Space, Add	*4.57*	
22 07 19 00-0464	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.69	7.63
		For Work In Restricted Working Space, Add	*4.63*	
22 07 19 00-0465	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.30	7.82
		For Work In Restricted Working Space, Add	*4.69*	
22 07 19 00-0466	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.00	7.91
		For Work In Restricted Working Space, Add	*4.74*	
22 07 19 00-0467	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.62	8.01
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0468	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.38	8.04
		For Work In Restricted Working Space, Add	*4.81*	
22 07 19 00-0469	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.15	8.05
		For Work In Restricted Working Space, Add	*4.84*	
22 07 19 00-0470	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.02	8.10
		For Work In Restricted Working Space, Add	*4.86*	
22 07 19 00-0471	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.59	8.13
		For Work In Restricted Working Space, Add	*4.88*	
22 07 19 00-0472	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.71	8.43
		For Work In Restricted Working Space, Add	*5.05*	
22 07 19 00-0473	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.38	8.56
		For Work In Restricted Working Space, Add	*5.13*	
22 07 19 00-0474	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.26	8.68
		For Work In Restricted Working Space, Add	*5.21*	
22 07 19 00-0475	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.21	8.95
		For Work In Restricted Working Space, Add	*5.37*	

22 07 19 00-0476 2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0372)*

22 07 19 00-0477	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.03	7.60
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0478	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.98	7.71
		For Work In Restricted Working Space, Add	*4.65*	
22 07 19 00-0479	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.40	7.77
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0480	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.91	7.83
		For Work In Restricted Working Space, Add	*4.69*	
22 07 19 00-0481	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.23	7.99
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0482	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.01	8.37
		For Work In Restricted Working Space, Add	*5.02*	
22 07 19 00-0483	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.91	8.16
		For Work In Restricted Working Space, Add	*5.05*	
22 07 19 00-0484	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.58	8.45
		For Work In Restricted Working Space, Add	*5.15*	
22 07 19 00-0485	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.19	8.73
		For Work In Restricted Working Space, Add	*5.25*	
22 07 19 00-0486	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.23	8.84
		For Work In Restricted Working Space, Add	*5.29*	
22 07 19 00-0487	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.32	8.95
		For Work In Restricted Working Space, Add	*5.34*	
22 07 19 00-0488	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.61	8.97
		For Work In Restricted Working Space, Add	*5.37*	
22 07 19 00-0489	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.54	8.99
		For Work In Restricted Working Space, Add	*5.40*	
22 07 19 00-0490	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.87	9.02
		For Work In Restricted Working Space, Add	*5.42*	
22 07 19 00-0491	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.29	9.07
		For Work In Restricted Working Space, Add	*5.44*	
22 07 19 00-0492	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	50.27	9.50
		For Work In Restricted Working Space, Add	*5.68*	
22 07 19 00-0493	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	53.15	9.68
		For Work In Restricted Working Space, Add	*5.80*	
22 07 19 00-0494	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.12	9.87
		For Work In Restricted Working Space, Add	*5.93*	
22 07 19 00-0495	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	60.05	10.27
		For Work In Restricted Working Space, Add	*6.16*	

22 07 19 00-0496 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0497 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0496)*

22 07 19 00-0498	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.04	4.73
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0499	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.14	4.73
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0500	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.50	4.90
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0501	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.93	5.07
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0502	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.19	5.16
		For Work In Restricted Working Space, Add	*3.09*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0503		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.62	5.24
			For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0504		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.92	5.24
			For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0505		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.15	5.40
			For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0506		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.17	5.40
			For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0507		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.06	5.49
			For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0508		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.27	5.65
			For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0509			**1/2" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0496)*		
22 07 19 00-0510		LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.17	5.16
			For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0511		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.27	5.16
			For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0512		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.46	5.24
			For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0513		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.72	5.24
			For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0514		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.07	5.40
			For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0515		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.55	5.49
			For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0516		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.05	5.57
			For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0517		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.54	5.65
			For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0518		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.64	5.82
			For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0519		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.57	5.90
			For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0520		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.37	6.06
			For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0521			**3/4" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0496)*		
22 07 19 00-0522		LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.44	5.57
			For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0523		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.80	5.65
			For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0524		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.29	5.82
			For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0525		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.94	5.90
			For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0526		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.61	6.06
			For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0527		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.63	6.15
			For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0528		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.30	6.15
			For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0529		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.06	6.23
			For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0530		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	18.56	6.39
			For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0531		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.88	6.48
			For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0532		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.44	6.64
			For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0533			**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0496)*		
22 07 19 00-0534		LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.56	6.15
			For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0535		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.79	6.23
			For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0536		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.27	6.39
			For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0537		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.19	6.48
			For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0538		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.01	6.64
			For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0539		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.86	6.82
			For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0540		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	18.62	6.82
			For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0541		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	20.31	6.98
			For Work In Restricted Working Space, Add	*4.19*	
22 07 19 00-0542		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.58	7.16
			For Work In Restricted Working Space, Add	*4.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0543	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	24.17	7.23
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0544		**Flexible Elastomeric Unicellular Insulation** *(22 07 19)* Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0545		**3/8" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0544)*		
22 07 19 00-0546	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.24	4.73
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0547	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.86	4.90
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0548	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.42	5.08
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0549	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.89	5.16
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0550	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	13.40	5.24
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0551	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	14.16	5.27
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0552	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.13	5.41
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0553	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	17.41	5.45
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0554	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	19.07	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0555		**1/2" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0544)*		
22 07 19 00-0556	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.85	5.08
		For Work In Restricted Working Space, Add	*3.05*	
22 07 19 00-0557	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.44	5.24
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0558	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.86	5.24
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0559	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	14.51	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0560	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.05	5.49
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0561	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.83	5.57
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0562	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	17.29	5.65
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0563	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	19.72	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0564	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	21.30	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0565	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	24.49	5.98
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0566	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	26.00	6.06
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0567		**3/4" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0544)*		
22 07 19 00-0568	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.20	5.54
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0569	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	16.14	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0570	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.19	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0571	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	18.73	6.08
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0572	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	19.81	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0573	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	22.46	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0574	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	24.71	6.28
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0575	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	28.14	6.41
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0576	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	30.50	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0577	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	34.41	6.56
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0578	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	36.20	6.64
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0579		**1" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0544)*		
22 07 19 00-0580	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	19.87	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0581	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	20.87	6.41
		For Work In Restricted Working Space, Add	*3.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0582	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	22.91	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0583	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	25.38	6.64
		For Work In Restricted Working Space, Add	*3.99*	
22 07 19 00-0584	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	27.65	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0585	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	29.31	6.89
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0586	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	32.65	6.98
		For Work In Restricted Working Space, Add	*4.19*	
22 07 19 00-0587	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	40.67	7.16
		For Work In Restricted Working Space, Add	*4.29*	
22 07 19 00-0588	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	46.44	7.23
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0589	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	49.56	7.31
		For Work In Restricted Working Space, Add	*4.39*	
22 07 19 00-0590	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	56.00	7.49
		For Work In Restricted Working Space, Add	*4.49*	

22 07 19 00-0591 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-0592 Covering 4x6 Sheet *(22 07 19 00-0591)*

22 07 19 00-0593	SF	1" Thick Foam Rubber Sheet Insulation	30.60	11.24

22 07 19 00-0594 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.

22 07 19 00-0595 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0594)*

22 07 19 00-0596 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0595)*

22 07 19 00-0597	SF	0.006" Aluminum Insulation Jacket With Bands	23.65	10.13
22 07 19 00-0598	SF	0.010" Aluminum Insulation Jacket With Bands	24.00	10.13
22 07 19 00-0599	SF	0.016" Aluminum Insulation Jacket With Bands	24.34	10.13
22 07 19 00-0600	SF	0.020" Aluminum Insulation Jacket With Bands	24.65	10.13
22 07 19 00-0601	SF	0.024" Aluminum Insulation Jacket With Bands	24.93	10.13

22 07 19 00-0602 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0603	LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.28	2.87
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0604	LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.78	2.94
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0605	LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.27	3.02
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0606	LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.80	3.09
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0607	LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.21	3.14
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0608	LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.62	3.18
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0609	LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.12	3.25
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0610	LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.62	3.32
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0611	LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.16	3.39
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0612	LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.60	3.44
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0613	LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.16	3.52
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0614	LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.71	3.60
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0615	LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.26	3.68
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0616	LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.76	3.75
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0617	LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.36	3.84
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0618	LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.97	3.93
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0619	LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.61	4.03
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0620	LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.16	4.11
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0621	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.82	4.22
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0622	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.51	4.33
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0623	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.11	4.42
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0624	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.87	4.55
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0625	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.63	4.68
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0626	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.15	4.75
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0627	LF	6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.67	4.83
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0628	LF	7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.55	4.94
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0629	LF	7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.24	5.07
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0630	LF	7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.80	5.15
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0631	LF	8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.61	5.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0632	LF	8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	29.41	5.32
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0633	LF	9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.41	5.46
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0634	LF	9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	31.28	5.55
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0635	LF	10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.12	5.65
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0636	LF	10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	33.00	5.75
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0637	LF	11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.09	5.92
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0638	LF	11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	35.03	6.03
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0639	LF	12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	35.95	6.14
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0640	LF	12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.15	6.33
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0641	LF	13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.85	6.39
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0642	LF	14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	39.05	6.46
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0643	LF	15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	40.50	6.59
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0644	LF	16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	41.71	6.66
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0645	LF	17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	43.20	6.80
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0646	LF	18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	44.12	6.87
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0647	LF	19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	45.96	7.04
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0648	LF	20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	47.20	7.12
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0649	LF	21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	48.77	7.28
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0650	LF	22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	50.02	7.36
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0651	LF	23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	51.66	7.54
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0652	LF	24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	52.93	7.63
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	

22 07 19 00-0653 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0654	LF	1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.63	3.17
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0655	LF	3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.21	3.24
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0656	LF	1" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.81	3.32
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0657	LF	1-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.43	3.40
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0658	LF	1-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.92	3.45
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0659	LF	1-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.41	3.50
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0660	LF	2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.99	3.57
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0661	LF	2-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.58	3.65
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0662	LF	2-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.21	3.72
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0663	LF	2-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.75	3.78
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0664	LF	3" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.41	3.87
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0665	LF	3-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.04	3.96
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0666	LF	3-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.70	4.05
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0667	LF	3-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.27	4.12
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0668	LF	4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.96	4.22
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0669	LF	4-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.68	4.32
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0670	LF	4-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.44	4.43
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0671	LF	4-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.07	4.52
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0672	LF	5" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.84	4.64
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0673	LF	5-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.65	4.76
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0674	LF	5-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.34	4.86
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0675	LF	5-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	27.22	5.01
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0676	LF	6" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.09	5.16
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0677	LF	6-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.69	5.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0678	LF	6-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	29.31	5.32
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0679	LF	7" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	30.35	5.44
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0680	LF	7-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.16	5.57
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0681	LF	7-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.81	5.66
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0682	LF	8" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	32.79	5.76
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0683	LF	8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	33.73	5.85
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0684	LF	9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	34.91	6.00
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0685	LF	9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	35.95	6.11
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0686	LF	10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	36.96	6.22
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0687	LF	10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	37.99	6.33
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0688	LF	11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	39.28	6.50
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0689	LF	11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	40.38	6.63
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0690	LF	12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	41.48	6.76
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0691	LF	12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	42.87	6.96
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0692	LF	13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	43.73	7.04
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0693	LF	14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	45.20	7.11
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0694	LF	15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	46.95	7.26
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0695	LF	16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	48.46	7.33
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0696	LF	17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	50.23	7.49
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0697	LF	18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	51.36	7.57
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0698	LF	19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	53.59	7.74
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0699	LF	20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	55.12	7.82
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0700	LF	21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	57.00	8.00
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0701	LF	22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	58.52	8.09
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0702	LF	23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	60.49	8.29
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0703	LF	24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	62.04	8.39
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	

22 07 19 00-0704 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0705	LF	1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.98	3.46
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0706	LF	3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.64	3.53
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0707	LF	1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.32	3.62
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0708	LF	1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.02	3.71
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0709	LF	1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.59	3.76
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0710	LF	1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.17	3.82
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0711	LF	2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.82	3.90
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0712	LF	2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.50	3.98
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0713	LF	2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.22	4.06
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0714	LF	2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.83	4.13
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0715	LF	3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.58	4.22
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0716	LF	3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.32	4.31
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0717	LF	3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.06	4.41
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0718	LF	3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.72	4.49
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0719	LF	4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.50	4.60
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0720	LF	4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	25.30	4.71
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0721	LF	4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.18	4.83
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0722	LF	4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.90	4.93
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0723	LF	5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	27.77	5.07
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0724	LF	5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.66	5.21
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0725	LF	5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	29.46	5.31
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0726	LF	5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.46	5.47
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0727	LF	6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	31.45	5.63
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0728	LF	6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.13	5.71
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0729	LF	6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.83	5.80
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0730	LF	7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	34.01	5.93
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0731	LF	7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	34.93	6.08
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0732	LF	7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	35.67	6.17
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0733	LF	8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	36.80	6.28
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0734	LF	8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	37.89	6.38
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0735	LF	9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	39.24	6.54
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0736	LF	9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	40.43	6.66
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0737	LF	10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	41.61	6.78
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0738	LF	10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	42.79	6.90
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0739	LF	11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	44.25	7.10
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0740	LF	11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	45.53	7.24
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0741	LF	12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	46.79	7.38
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0742	LF	12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	48.36	7.60
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0743	LF	13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	49.35	7.67
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0744	LF	14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	51.09	7.75
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0745	LF	15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	53.13	7.91
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0746	LF	16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	54.88	7.99
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0747	LF	17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	56.95	8.17
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0748	LF	18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	58.27	8.25
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0749	LF	19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	60.85	8.44
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0750	LF	20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	62.65	8.53
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0751	LF	21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	64.82	8.73
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0752	LF	22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	66.62	8.83
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0753	LF	23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	68.88	9.05
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0754	LF	24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	70.70	9.15
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0755		32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*		
22 07 19 00-0756	LF	1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.88	3.83
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0757	LF	3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.69	3.92
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0758	LF	1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.52	4.01
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0759	LF	1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	19.38	4.11
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0760	LF	1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.09	4.17
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0761	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.80	4.23
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0762	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.62	4.32
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0763	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.44	4.41
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0764	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	23.35	4.50
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0765	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	24.10	4.57
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0766	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	25.02	4.67
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0767	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	25.93	4.78
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0768	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	26.83	4.89
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0769	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	27.63	4.98
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0770	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.58	5.11
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0771	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	29.55	5.23
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0772	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	30.61	5.36
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0773	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.50	5.47
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0774	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	32.54	5.61
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0775	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	33.63	5.77
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0776	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.57	5.89
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0777	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	35.76	6.06
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0778	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	36.96	6.23
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0779	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	37.79	6.33
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0780	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	38.63	6.42
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0781	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	40.10	6.57
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0782	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	41.21	6.73
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0783	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	42.11	6.84
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0784	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	43.51	6.96
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	

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22 07 19 00-0785	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	44.88	7.08
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0786	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	46.55	7.26
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0787	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	48.04	7.39
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0788	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	49.49	7.52
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0789	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	50.97	7.65
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0790	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	52.75	7.87
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0791	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	54.34	8.02
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0792	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	55.89	8.17
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0793	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	57.80	8.42
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0794	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	59.06	8.50
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0795	LF	14" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	61.33	8.59
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0796	LF	15" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	63.90	8.76
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.72*	
22 07 19 00-0797	LF	16" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	66.18	8.86
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.77*	
22 07 19 00-0798	LF	17" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	68.79	9.06
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.81*	
22 07 19 00-0799	LF	18" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	70.46	9.15
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0800	LF	19" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	73.77	9.36
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.91*	
22 07 19 00-0801	LF	20" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	76.11	9.46
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0802	LF	21" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	78.83	9.68
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0803	LF	22" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	81.15	9.79
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0804	LF	23" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	83.98	10.02
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0805	LF	24" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	86.32	10.14
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	

22 07 19 00-0806 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0807	LF	1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	19.58	4.40
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0808	LF	3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.57	4.50
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0809	LF	1" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.57	4.61
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0810	LF	1-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	22.60	4.72
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0811	LF	1-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	23.47	4.79
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0812	LF	1-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	24.35	4.86
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0813	LF	2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	25.32	4.96
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0814	LF	2-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	26.32	5.07
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0815	LF	2-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.41	5.18
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0816	LF	2-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	28.34	5.27
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0817	LF	3" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	29.45	5.38
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0818	LF	3-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	30.53	5.50
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0819	LF	3-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	31.62	5.63
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0820	LF	3-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	32.59	5.73
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0821	LF	4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	33.74	5.87
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0822	LF	4-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	34.90	6.01
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0823	LF	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	36.17	6.17
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0824	LF	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	37.24	6.29
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0825	LF	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	38.48	6.45
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0826	LF	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	39.78	6.63
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0827	LF	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	40.92	6.77
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0828	LF	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	42.35	6.96
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0829	LF	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	43.76	7.18
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0830	LF	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	44.78	7.28
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0831	LF	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	45.80	7.40
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0832	LF	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	47.58	7.57
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0833	LF	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	48.89	7.75
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0834	LF	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	49.98	7.87
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0835	LF	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	51.68	8.01
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0836	LF	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	53.37	8.14
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0837	LF	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	55.37	8.35
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0838	LF	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	57.20	8.49
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0839	LF	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	58.96	8.64
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0840	LF	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	60.77	8.80
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0841	LF	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	62.91	9.05
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0842	LF	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	64.83	9.23
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0843	LF	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	66.72	9.40
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0844	LF	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	69.01	9.68
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0845	LF	13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	70.57	9.78
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0846	LF	14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	73.37	9.88
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0847	LF	15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	76.52	10.09
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.90*	
22 07 19 00-0848	LF	16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	79.34	10.19
		For Stucco Embossed, Add	*0.39*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0849	LF	17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	82.55	10.41
		For Stucco Embossed, Add	*0.41*	
		For Corrugated, Add	*1.02*	
22 07 19 00-0850	LF	18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	84.60	10.52
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.06*	
22 07 19 00-0851	LF	19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	88.67	10.76
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	
22 07 19 00-0852	LF	20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	91.56	10.88
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	
22 07 19 00-0853	LF	21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	94.88	11.13
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.26*	
22 07 19 00-0854	LF	22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	97.73	11.26
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	
22 07 19 00-0855	LF	23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	101.21	11.53
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0856	LF	24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	104.08	11.67
		For Stucco Embossed, Add	*0.57*	
		For Corrugated, Add	*1.44*	

22 07 19 00-0857 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0595)*

22 07 19 00-0858	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.62	4.52
22 07 19 00-0859	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.29	4.68
22 07 19 00-0860	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.01	4.86
22 07 19 00-0861	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.31	4.94
22 07 19 00-0862	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.62	5.03
22 07 19 00-0863	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.11	5.15
22 07 19 00-0864	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.85	5.28
22 07 19 00-0865	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.39	5.41
22 07 19 00-0866	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.63	5.51
22 07 19 00-0867	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.50	5.60
22 07 19 00-0868	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	43.01	5.75
22 07 19 00-0869	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	43.99	5.86
22 07 19 00-0870	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.43	5.97
22 07 19 00-0871	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.89	6.09
22 07 19 00-0872	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	47.98	6.20
22 07 19 00-0873	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.04	6.33
22 07 19 00-0874	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	59.39	6.52
22 07 19 00-0875	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	59.93	6.66
22 07 19 00-0876	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.92	6.87
22 07 19 00-0877	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	56.53	7.04
22 07 19 00-0878	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	63.30	7.28
22 07 19 00-0879	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	71.30	7.45
22 07 19 00-0880	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	71.65	7.54
22 07 19 00-0881	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	91.54	7.63
22 07 19 00-0882	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	76.39	7.72
22 07 19 00-0883	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	115.75	7.91
22 07 19 00-0884	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	116.55	8.11
22 07 19 00-0885	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	94.73	8.22
22 07 19 00-0886	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	95.17	8.33
22 07 19 00-0887	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	96.96	8.44
22 07 19 00-0888	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	97.41	8.55
22 07 19 00-0889	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	107.00	8.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0890	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	107.50	8.91
22 07 19 00-0891	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	164.57	9.18
22 07 19 00-0892	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	165.11	9.31
22 07 19 00-0893	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	209.84	9.59
22 07 19 00-0894	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	218.84	9.89
22 07 19 00-0895	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	235.75	10.05
22 07 19 00-0896	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.09	5.03
22 07 19 00-0897	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.58	5.15
22 07 19 00-0898	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.66	5.28
22 07 19 00-0899	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.20	5.41
22 07 19 00-0900	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	37.48	5.51
22 07 19 00-0901	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	37.87	5.60
22 07 19 00-0902	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.74	5.75
22 07 19 00-0903	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.38	5.86
22 07 19 00-0904	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.82	5.97
22 07 19 00-0905	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.28	6.09
22 07 19 00-0906	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	45.88	6.20
22 07 19 00-0907	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.39	6.33
22 07 19 00-0908	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	48.19	6.52
22 07 19 00-0909	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	49.61	6.87
22 07 19 00-0910	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	59.61	7.28
22 07 19 00-0911	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	60.30	7.45
22 07 19 00-0912	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	61.29	7.63
22 07 19 00-0913	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	61.66	7.72
22 07 19 00-0914	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	69.95	7.91
22 07 19 00-0915	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	70.75	8.11
22 07 19 00-0916	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	86.03	8.22
22 07 19 00-0917	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	86.47	8.33
22 07 19 00-0918	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	83.48	8.44
22 07 19 00-0919	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	83.93	8.55
22 07 19 00-0920	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	94.89	8.79
22 07 19 00-0921	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	95.39	8.91
22 07 19 00-0922	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	107.34	9.31
22 07 19 00-0923	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	124.38	9.59
22 07 19 00-0924	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.10	9.89
22 07 19 00-0925	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	183.87	10.05
22 07 19 00-0926	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	181.13	10.21
22 07 19 00-0927	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	201.53	10.37
22 07 19 00-0928	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	237.67	10.55
22 07 19 00-0929	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	231.97	10.72
22 07 19 00-0930	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	247.75	10.91
22 07 19 00-0931	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	111.15	7.20
22 07 19 00-0932	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	111.83	7.36
22 07 19 00-0933	EA	3" ID, Aluminum Tee Insulation Jacketing	123.22	7.54
22 07 19 00-0934	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	123.95	7.72
22 07 19 00-0935	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	129.19	7.91
22 07 19 00-0936	EA	4" ID, Aluminum Tee Insulation Jacketing	131.05	8.11
22 07 19 00-0937	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	137.59	8.33
22 07 19 00-0938	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	137.64	8.55
22 07 19 00-0939	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	138.59	8.79
22 07 19 00-0940	EA	5" ID, Aluminum Tee Insulation Jacketing	143.45	9.05
22 07 19 00-0941	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	144.52	9.31
22 07 19 00-0942	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	150.39	9.59
22 07 19 00-0943	EA	6" ID, Aluminum Tee Insulation Jacketing	151.60	9.89
22 07 19 00-0944	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	165.26	10.55
22 07 19 00-0945	EA	7" ID, Aluminum Tee Insulation Jacketing	166.72	10.91
22 07 19 00-0946	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	182.07	11.31
22 07 19 00-0947	EA	8" ID, Aluminum Tee Insulation Jacketing	183.75	11.72
22 07 19 00-0948	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	189.15	12.17
22 07 19 00-0949	EA	9" ID, Aluminum Tee Insulation Jacketing	191.10	12.65
22 07 19 00-0950	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	155.92	12.91
22 07 19 00-0951	EA	10" ID, Aluminum Tee Insulation Jacketing	156.99	13.19
22 07 19 00-0952	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	164.91	13.47
22 07 19 00-0953	EA	11" ID, Aluminum Tee Insulation Jacketing	166.09	13.76
22 07 19 00-0954	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	173.36	14.06
22 07 19 00-0955	EA	12" ID, Aluminum Tee Insulation Jacketing	174.64	14.38
22 07 19 00-0956	EA	13" ID, Aluminum Tee Insulation Jacketing	181.81	14.71
22 07 19 00-0957	EA	14" ID, Aluminum Tee Insulation Jacketing	189.23	15.07
22 07 19 00-0958	EA	15" ID, Aluminum Tee Insulation Jacketing	201.23	15.44
22 07 19 00-0959	EA	16" ID, Aluminum Tee Insulation Jacketing	206.26	15.82
22 07 19 00-0960	EA	17" ID, Aluminum Tee Insulation Jacketing	229.30	16.23
22 07 19 00-0961	EA	18" ID, Aluminum Tee Insulation Jacketing	237.40	16.65
22 07 19 00-0962	EA	19" ID, Aluminum Tee Insulation Jacketing	257.28	17.11
22 07 19 00-0963	EA	20" ID, Aluminum Tee Insulation Jacketing	263.30	17.58
22 07 19 00-0964	EA	22" ID, Aluminum Tee Insulation Jacketing	317.82	18.08
22 07 19 00-0965	EA	23" ID, Aluminum Tee Insulation Jacketing	326.78	18.61
22 07 19 00-0966	EA	24" ID, Aluminum Tee Insulation Jacketing	340.55	20.41

22 07 19 00-0967 Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0594)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0968		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0967)*		
22 07 19 00-0969	SF	0.010" Stainless Steel Insulation Jacket With Bands	29.21	11.87
22 07 19 00-0970	SF	0.016" Stainless Steel Insulation Jacket With Bands	35.76	14.24
22 07 19 00-0971		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0967)*		
22 07 19 00-0972	LF	2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.30	2.53
22 07 19 00-0973	LF	2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.87	2.58
22 07 19 00-0974	LF	3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.45	2.63
22 07 19 00-0975	LF	3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.06	2.69
22 07 19 00-0976	LF	3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.66	2.75
22 07 19 00-0977	LF	3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.28	2.81
22 07 19 00-0978	LF	4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.90	2.87
22 07 19 00-0979	LF	4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	18.54	2.94
22 07 19 00-0980	LF	4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.18	3.02
22 07 19 00-0981	LF	5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.53	3.17
22 07 19 00-0982	LF	5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.94	3.33
22 07 19 00-0983	LF	6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	23.41	3.52
22 07 19 00-0984	LF	6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.55	3.62
22 07 19 00-0985	LF	7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	25.73	3.72
22 07 19 00-0986	LF	7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	27.01	3.86
22 07 19 00-0987	LF	8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.04	3.93
22 07 19 00-0988	LF	8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.07	4.01
22 07 19 00-0989	LF	9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	30.13	4.08
22 07 19 00-0990	LF	9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	31.18	4.16
22 07 19 00-0991	LF	10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	32.27	4.25
22 07 19 00-0992	LF	10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	33.36	4.33
22 07 19 00-0993	LF	11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	34.47	4.42
22 07 19 00-0994	LF	12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	36.71	4.62
22 07 19 00-0995	LF	13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	38.90	4.79
22 07 19 00-0996	LF	14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	40.67	4.86
22 07 19 00-0997		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0967)*		
22 07 19 00-0998	LF	2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.51	3.37
22 07 19 00-0999	LF	2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.32	3.44
22 07 19 00-1000	LF	3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.14	3.51
22 07 19 00-1001	LF	3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.99	3.58
22 07 19 00-1002	LF	3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.84	3.66
22 07 19 00-1003	LF	3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	23.70	3.74
22 07 19 00-1004	LF	4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	24.58	3.83
22 07 19 00-1005	LF	4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	25.46	3.92
22 07 19 00-1006	LF	4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	26.36	4.01
22 07 19 00-1007	LF	5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.25	4.21
22 07 19 00-1008	LF	5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	30.21	4.43
22 07 19 00-1009	LF	6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	32.26	4.67
22 07 19 00-1010	LF	6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.86	4.81
22 07 19 00-1011	LF	7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	35.52	4.95
22 07 19 00-1012	LF	7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	37.31	5.14
22 07 19 00-1013	LF	8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	38.76	5.23
22 07 19 00-1014	LF	8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	40.23	5.33
22 07 19 00-1015	LF	9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	41.72	5.43
22 07 19 00-1016	LF	9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	43.22	5.54
22 07 19 00-1017	LF	10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	44.73	5.65
22 07 19 00-1018	LF	10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	46.30	5.77
22 07 19 00-1019	LF	11" ID, 0.0106 Thick (16 Mil), Stainless Steel Insulation Jacketing	47.85	5.89
22 07 19 00-1020	LF	12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	51.00	6.14
22 07 19 00-1021	LF	13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	54.10	6.37
22 07 19 00-1022	LF	14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	56.62	6.47
22 07 19 00-1023		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0967)*		
22 07 19 00-1024	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.49	5.03
22 07 19 00-1025	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.98	5.15
22 07 19 00-1026	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.34	5.28
22 07 19 00-1027	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.88	5.41
22 07 19 00-1028	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	42.23	5.51
22 07 19 00-1029	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	43.76	5.60
22 07 19 00-1030	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	46.50	5.75
22 07 19 00-1031	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	54.65	5.86
22 07 19 00-1032	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	55.09	5.97
22 07 19 00-1033	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	56.75	6.20
22 07 19 00-1034	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	73.70	6.52
22 07 19 00-1035	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	79.78	6.87
22 07 19 00-1036	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	101.03	7.28
22 07 19 00-1037	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	101.72	7.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1038	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.49	7.63
22 07 19 00-1039	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	115.64	7.91
22 07 19 00-1040	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	118.49	7.91
22 07 19 00-1041	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	164.54	8.11
22 07 19 00-1042	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	162.66	8.22
22 07 19 00-1043	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	163.10	8.33
22 07 19 00-1044	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	189.05	8.44
22 07 19 00-1045	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	182.45	8.55
22 07 19 00-1046	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	203.96	8.91
22 07 19 00-1047	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	270.40	9.31
22 07 19 00-1048	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	273.09	9.59
22 07 19 00-1049	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.43	5.03
22 07 19 00-1050	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.92	5.15
22 07 19 00-1051	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	37.61	5.28
22 07 19 00-1052	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	38.15	5.41
22 07 19 00-1053	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	38.72	5.51
22 07 19 00-1054	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	39.11	5.60
22 07 19 00-1055	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	44.50	5.75
22 07 19 00-1056	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.59	5.86
22 07 19 00-1057	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	54.03	5.97
22 07 19 00-1058	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	54.49	6.09
22 07 19 00-1059	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	55.48	6.20
22 07 19 00-1060	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	56.77	6.52
22 07 19 00-1061	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.90	6.87
22 07 19 00-1062	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	65.48	7.28
22 07 19 00-1063	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	91.35	7.45
22 07 19 00-1064	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	93.33	7.63
22 07 19 00-1065	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	93.70	7.72
22 07 19 00-1066	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	105.17	7.91
22 07 19 00-1067	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	105.97	8.11
22 07 19 00-1068	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	119.18	8.22
22 07 19 00-1069	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	119.62	8.33
22 07 19 00-1070	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.49	8.44
22 07 19 00-1071	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.94	8.55
22 07 19 00-1072	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	148.31	8.91
22 07 19 00-1073	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	169.79	9.31
22 07 19 00-1074		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0594)*		
22 07 19 00-1075		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1074)*		
22 07 19 00-1076	LF	1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.59	2.34
22 07 19 00-1077	LF	2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.35	2.43
22 07 19 00-1078	LF	2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.05	2.53
22 07 19 00-1079	LF	3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.87	2.63
22 07 19 00-1080	LF	3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.63	2.75
22 07 19 00-1081	LF	4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.48	2.87
22 07 19 00-1082	LF	4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.38	3.02
22 07 19 00-1083	LF	5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.28	3.17
22 07 19 00-1084	LF	5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.31	3.33
22 07 19 00-1085	LF	6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.39	3.52
22 07 19 00-1086	LF	6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.15	3.62
22 07 19 00-1087	LF	7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.88	3.72
22 07 19 00-1088	LF	7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.83	3.86
22 07 19 00-1089	LF	8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.42	3.93
22 07 19 00-1090	LF	8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.07	4.01
22 07 19 00-1091	LF	9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.73	4.08
22 07 19 00-1092	LF	9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.40	4.16
22 07 19 00-1093	LF	10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.06	4.25
22 07 19 00-1094	LF	10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.75	4.33
22 07 19 00-1095	LF	11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.47	4.42
22 07 19 00-1096	LF	11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.19	4.52
22 07 19 00-1097	LF	12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.90	4.62
22 07 19 00-1098	LF	12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.71	4.72
22 07 19 00-1099	LF	13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.30	4.79
22 07 19 00-1100	LF	13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.65	4.79
22 07 19 00-1101	LF	14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.31	4.86
22 07 19 00-1102	LF	15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.31	4.94
22 07 19 00-1103	LF	16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.28	5.03
22 07 19 00-1104	LF	17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.30	5.11
22 07 19 00-1105	LF	18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.35	5.19
22 07 19 00-1106	LF	19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	34.35	5.28
22 07 19 00-1107	LF	20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.42	5.37
22 07 19 00-1108	LF	21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.43	5.46
22 07 19 00-1109	LF	22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.53	5.55
22 07 19 00-1110	LF	23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.58	5.65
22 07 19 00-1111	LF	24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.70	5.75
22 07 19 00-1112	LF	25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.83	5.86
22 07 19 00-1113	LF	26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.92	5.97
22 07 19 00-1114	LF	27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	43.09	6.09
22 07 19 00-1115	LF	28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.21	6.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1116	LF	29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	45.43	6.33
22 07 19 00-1117	LF	30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	46.64	6.46
22 07 19 00-1118		**30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing** *(22 07 19 00-1074)*		
22 07 19 00-1119	LF	2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.11	2.43
22 07 19 00-1120	LF	2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.00	2.53
22 07 19 00-1121	LF	3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.98	2.63
22 07 19 00-1122	LF	3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.89	2.75
22 07 19 00-1123	LF	4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.89	2.87
22 07 19 00-1124	LF	4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.94	3.02
22 07 19 00-1125	LF	5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.04	3.17
22 07 19 00-1126	LF	5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.23	3.33
22 07 19 00-1127	LF	6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.46	3.52
22 07 19 00-1128	LF	6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.36	3.62
22 07 19 00-1129	LF	7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.30	3.72
22 07 19 00-1130	LF	7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.40	3.86
22 07 19 00-1131	LF	8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.20	3.93
22 07 19 00-1132	LF	8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.99	4.01
22 07 19 00-1133	LF	9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.80	4.08
22 07 19 00-1134	LF	9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.63	4.16
22 07 19 00-1135	LF	10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.48	4.25
22 07 19 00-1136	LF	10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.33	4.33
22 07 19 00-1137	LF	11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.20	4.42
22 07 19 00-1138	LF	11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.07	4.52
22 07 19 00-1139	LF	12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.98	4.62
22 07 19 00-1140	LF	12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.94	4.72
22 07 19 00-1141	LF	13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.74	4.79
22 07 19 00-1142	LF	13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.24	4.79
22 07 19 00-1143	LF	14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.04	4.86
22 07 19 00-1144	LF	15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.35	4.94
22 07 19 00-1145	LF	16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.67	5.03
22 07 19 00-1146	LF	17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.00	5.11
22 07 19 00-1147	LF	18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.40	5.19
22 07 19 00-1148	LF	19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.75	5.28
22 07 19 00-1149	LF	20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.12	5.37
22 07 19 00-1150	LF	21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	43.49	5.46
22 07 19 00-1151	LF	22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.89	5.55
22 07 19 00-1152	LF	23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	46.29	5.65
22 07 19 00-1153	LF	24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	47.71	5.75
22 07 19 00-1154	LF	25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	49.19	5.86
22 07 19 00-1155	LF	26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	50.64	5.97
22 07 19 00-1156	LF	27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	52.11	6.09
22 07 19 00-1157	LF	28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	53.59	6.20
22 07 19 00-1158	LF	29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	55.10	6.33
22 07 19 00-1159	LF	30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	56.62	6.46
22 07 19 00-1160		**Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings** *(22 07 19 00-1074)*		
22 07 19 00-1161	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.52	4.68
22 07 19 00-1162	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.91	4.86
22 07 19 00-1163	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.61	4.94
22 07 19 00-1164	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.32	5.03
22 07 19 00-1165	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.17	5.15
22 07 19 00-1166	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.94	5.28
22 07 19 00-1167	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.31	5.46
22 07 19 00-1168	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.55	5.60
22 07 19 00-1169	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.78	5.75
22 07 19 00-1170	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.48	6.03
22 07 19 00-1171	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	36.26	6.33
22 07 19 00-1172	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	41.05	6.66
22 07 19 00-1173	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	52.17	7.04
22 07 19 00-1174	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	54.40	7.28
22 07 19 00-1175	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	61.49	7.45
22 07 19 00-1176	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	63.76	7.63
22 07 19 00-1177	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	74.44	7.91
22 07 19 00-1178	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	90.02	8.22
22 07 19 00-1179	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	98.01	8.55
22 07 19 00-1180	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	108.78	8.91
22 07 19 00-1181	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	129.56	9.31
22 07 19 00-1182	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	143.88	9.59
22 07 19 00-1183	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	152.95	9.89
22 07 19 00-1184	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	163.95	10.05
22 07 19 00-1185	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	178.16	10.21
22 07 19 00-1186	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	218.64	10.37
22 07 19 00-1187	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	282.68	10.55
22 07 19 00-1188	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	351.99	10.72
22 07 19 00-1189	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.52	4.68
22 07 19 00-1190	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.91	4.86
22 07 19 00-1191	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	23.61	4.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1192	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.32	5.03
22 07 19 00-1193	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.17	5.15
22 07 19 00-1194	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.94	5.28
22 07 19 00-1195	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	27.31	5.46
22 07 19 00-1196	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.55	5.60
22 07 19 00-1197	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	30.78	5.75
22 07 19 00-1198	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	33.48	6.03
22 07 19 00-1199	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	36.26	6.33
22 07 19 00-1200	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	41.05	6.66
22 07 19 00-1201	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	52.17	7.04
22 07 19 00-1202	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	54.40	7.28
22 07 19 00-1203	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	61.49	7.45
22 07 19 00-1204	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	63.76	7.63
22 07 19 00-1205	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	74.44	7.91
22 07 19 00-1206	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	90.02	8.22
22 07 19 00-1207	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	97.96	8.55
22 07 19 00-1208	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	105.96	8.91
22 07 19 00-1209	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	115.70	9.31
22 07 19 00-1210	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	128.00	9.59
22 07 19 00-1211	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	135.77	9.89
22 07 19 00-1212	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	150.04	10.05
22 07 19 00-1213	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	164.55	10.21
22 07 19 00-1214	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	192.69	10.37
22 07 19 00-1215	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	248.41	10.55
22 07 19 00-1216	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	276.50	10.72
22 07 19 00-1217	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.61	6.59
22 07 19 00-1218	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.89	6.73
22 07 19 00-1219	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	34.27	6.95
22 07 19 00-1220	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.82	7.20
22 07 19 00-1221	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.55	7.45
22 07 19 00-1222	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	39.29	7.72
22 07 19 00-1223	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	41.72	8.01
22 07 19 00-1224	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	44.30	8.33
22 07 19 00-1225	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	47.68	8.67
22 07 19 00-1226	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	52.34	9.05
22 07 19 00-1227	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.24	9.45
22 07 19 00-1228	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	66.03	10.05
22 07 19 00-1229	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.16	10.55
22 07 19 00-1230	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	84.94	10.72
22 07 19 00-1231	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	112.34	11.11
22 07 19 00-1232	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	121.38	11.72
22 07 19 00-1233	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	139.29	12.17
22 07 19 00-1234	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	157.47	12.65
22 07 19 00-1235	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	160.84	13.19
22 07 19 00-1236	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	173.95	13.47
22 07 19 00-1237	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	187.13	13.76
22 07 19 00-1238	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	200.44	14.06
22 07 19 00-1239	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	213.67	14.38
22 07 19 00-1240	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	227.05	14.71
22 07 19 00-1241	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	240.33	15.07
22 07 19 00-1242	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	259.96	15.44
22 07 19 00-1243	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	279.54	15.82
22 07 19 00-1244	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	303.19	16.23
22 07 19 00-1245	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	40.00	4.52
22 07 19 00-1246	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	40.00	4.52
22 07 19 00-1247	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	46.52	4.68
22 07 19 00-1248	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	46.52	4.68
22 07 19 00-1249	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	63.27	4.86
22 07 19 00-1250	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	68.88	5.07
22 07 19 00-1251	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	75.58	5.28
22 07 19 00-1252	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	85.06	5.51
22 07 19 00-1253	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	93.27	5.75
22 07 19 00-1254	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	112.66	6.33
22 07 19 00-1255	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	157.14	7.04
22 07 19 00-1256	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	172.15	7.91
22 07 19 00-1257	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	213.52	8.44
22 07 19 00-1258	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	295.76	9.31
22 07 19 00-1259	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	297.93	9.74
22 07 19 00-1260	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	392.40	10.05
22 07 19 00-1261	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	525.91	10.37
22 07 19 00-1262	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	37.58	4.52
22 07 19 00-1263	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	37.58	4.52
22 07 19 00-1264	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	43.60	4.68
22 07 19 00-1265	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	43.60	4.68
22 07 19 00-1266	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	58.49	4.86
22 07 19 00-1267	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	63.54	5.07
22 07 19 00-1268	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	69.73	5.28
22 07 19 00-1269	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	73.31	5.51
22 07 19 00-1270	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	85.51	5.75
22 07 19 00-1271	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	103.03	6.33
22 07 19 00-1272	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	142.98	7.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1273	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	156.63	7.91
22 07 19 00-1274	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	193.77	8.44
22 07 19 00-1275	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	267.49	9.31
22 07 19 00-1276	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	338.45	9.74
22 07 19 00-1277	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	403.03	10.05
22 07 19 00-1278	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	469.77	10.37
22 07 19 00-1279	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	55.79	6.80
22 07 19 00-1280	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	55.79	6.80
22 07 19 00-1281	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	64.21	7.04
22 07 19 00-1282	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	64.21	7.04
22 07 19 00-1283	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	86.00	7.28
22 07 19 00-1284	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	93.44	7.54
22 07 19 00-1285	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	102.46	7.91
22 07 19 00-1286	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	107.91	8.22
22 07 19 00-1287	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	126.30	8.67
22 07 19 00-1288	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	138.73	9.45
22 07 19 00-1289	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	191.51	10.55
22 07 19 00-1290	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	208.76	11.72
22 07 19 00-1291	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	284.37	12.65
22 07 19 00-1292	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	391.03	13.76
22 07 19 00-1293	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	464.72	14.71
22 07 19 00-1294	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	547.10	15.07
22 07 19 00-1295	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	598.06	15.44

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.33	4.89
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.54*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-0003	LF	3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.42	5.25
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.25*	
		For ASTM 120, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*5.15*	
22 11 16 00-0004	LF	1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.59	5.75
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.38*	
		For ASTM 120, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-0005	LF	1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.18	5.99
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.16*	
		For ASTM 120, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*5.84*	
22 11 16 00-0006	LF	1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.57	7.09
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.03*	
		For ASTM 120, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*6.09*	
22 11 16 00-0007	LF	2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.41	8.55
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*12.40*	
		For ASTM 120, Deduct	*-2.59*	
		For Work In Restricted Working Space, Add	*6.94*	
22 11 16 00-0008	LF	2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.15	10.14
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*18.95*	
		For ASTM 120, Deduct	*-4.51*	
		For Work In Restricted Working Space, Add	*8.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0009	LF	3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	70.99	13.57
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*23.74*	
		For ASTM 120, Deduct	*-5.72*	
		For Work In Restricted Working Space, Add	*9.85*	
22 11 16 00-0010	LF	4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	101.90	15.17
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*37.00*	
		For ASTM 120, Deduct	*-9.97*	
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0011	LF	5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	179.87	19.39
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*70.24*	
		For ASTM 120, Deduct	*-20.56*	
		For Work In Restricted Working Space, Add	*12.85*	
22 11 16 00-0012	LF	6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	200.91	22.93
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*78.25*	
		For ASTM 120, Deduct	*-22.84*	
		For Work In Restricted Working Space, Add	*14.60*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0015	LF	1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.35	4.89
		For Schedule 80 Pipe, Add	*2.15*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*2.22*	
22 11 16 00-0016	LF	3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.78	5.25
		For Schedule 80 Pipe, Add	*2.66*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-0017	LF	1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	14.32	5.75
		For Schedule 80 Pipe, Add	*3.63*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*2.56*	
22 11 16 00-0018	LF	1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.89	5.99
		For Schedule 80 Pipe, Add	*4.66*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*2.72*	
22 11 16 00-0019	LF	1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	19.99	7.09
		For Schedule 80 Pipe, Add	*5.56*	
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*3.19*	
22 11 16 00-0020	LF	2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	25.44	8.55
		For Schedule 80 Pipe, Add	*7.32*	
		For ASTM 120, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*3.86*	
22 11 16 00-0021	LF	2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	35.21	10.14
		For Schedule 80 Pipe, Add	*11.09*	
		For ASTM 120, Deduct	*-2.99*	
		For Work In Restricted Working Space, Add	*4.58*	
22 11 16 00-0022	LF	3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	46.47	13.57
		For Schedule 80 Pipe, Add	*14.57*	
		For ASTM 120, Deduct	*-3.92*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0023	LF	4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	59.97	15.17
		For Schedule 80 Pipe, Add	*20.11*	
		For ASTM 120, Deduct	*-5.57*	
		For Work In Restricted Working Space, Add	*6.85*	
22 11 16 00-0024	LF	5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	78.85	19.39
		For Schedule 80 Pipe, Add	*26.82*	
		For ASTM 120, Deduct	*-7.47*	
		For Work In Restricted Working Space, Add	*8.71*	
22 11 16 00-0025	LF	6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	98.97	22.93
		For Schedule 80 Pipe, Add	*34.46*	
		For ASTM 120, Deduct	*-9.69*	
		For Work In Restricted Working Space, Add	*10.30*	
22 11 16 00-0026	LF	8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	111.30	27.72
		For Schedule 80 Pipe, Add	*37.66*	
		For ASTM 120, Deduct	*-10.47*	
		For Work In Restricted Working Space, Add	*12.44*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0028	LF	1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.34	4.89
		For Schedule 80 Pipe, Add	*4.07*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*2.22*	
22 11 16 00-0029	LF	3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	16.19	5.25
		For Schedule 80 Pipe, Add	*4.77*	
		For ASTM 120, Deduct	*-1.25*	
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-0030	LF	1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	18.20	5.75
		For Schedule 80 Pipe, Add	*5.49*	
		For ASTM 120, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*2.56*	
22 11 16 00-0031	LF	1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	21.19	5.99
		For Schedule 80 Pipe, Add	*6.73*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*2.72*	
22 11 16 00-0032	LF	1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.48	7.09
		For Schedule 80 Pipe, Add	*7.71*	
		For ASTM 120, Deduct	*-2.08*	
		For Work In Restricted Working Space, Add	*3.19*	
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.65	8.55
		For Schedule 80 Pipe, Add	*8.86*	
		For ASTM 120, Deduct	*-2.37*	
		For Work In Restricted Working Space, Add	*3.86*	
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	41.69	10.14
		For Schedule 80 Pipe, Add	*14.20*	
		For ASTM 120, Deduct	*-3.96*	
		For Work In Restricted Working Space, Add	*4.58*	
22 11 16 00-0035	LF	3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	52.66	13.57
		For Schedule 80 Pipe, Add	*17.54*	
		For ASTM 120, Deduct	*-4.84*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0036	LF	4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	68.98	15.17
		For Schedule 80 Pipe, Add	*24.44*	
		For ASTM 120, Deduct	*-6.92*	
		For Work In Restricted Working Space, Add	*6.85*	
22 11 16 00-0037	LF	5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	89.29	19.39
		For Schedule 80 Pipe, Add	*31.83*	
		For ASTM 120, Deduct	*-9.04*	
		For Work In Restricted Working Space, Add	*8.71*	
22 11 16 00-0038	LF	6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	111.42	22.93
		For Schedule 80 Pipe, Add	*40.43*	
		For ASTM 120, Deduct	*-11.56*	
		For Work In Restricted Working Space, Add	*10.30*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	36.45	21.76
		For 300 Lb. Rating, Add	*15.05*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0041	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	41.21	24.33
		For 300 Lb. Rating, Add	*18.24*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0042	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	49.50	27.14
		For 300 Lb. Rating, Add	*32.20*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0043	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	59.97	30.81
		For 300 Lb. Rating, Add	*49.79*	
		For ASTM 120, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*13.84*	
22 11 16 00-0044	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	70.07	34.72
		For 300 Lb. Rating, Add	*64.49*	
		For ASTM 120, Deduct	*-2.71*	
		For Work In Restricted Working Space, Add	*15.61*	
22 11 16 00-0045	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	95.64	44.13
		For 300 Lb. Rating, Add	*104.47*	
		For ASTM 120, Deduct	*-4.43*	
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0046	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	175.15	65.28
		For 300 Lb. Rating, Add	*268.86*	
		For ASTM 120, Deduct	*-11.60*	
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0047	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	256.21	85.82
		For 300 Lb. Rating, Add	*441.32*	
		For ASTM 120, Deduct	*-19.13*	
		For Work In Restricted Working Space, Add	*38.60*	
22 11 16 00-0048	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	358.01	88.74
		For 300 Lb. Rating, Add	*772.75*	
		For ASTM 120, Deduct	*-33.74*	
		For Work In Restricted Working Space, Add	*39.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0049	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,110.23	92.62
		For 300 Lb. Rating, Add	*3,310.96*	
		For ASTM 120, Deduct	*-145.70*	
		For Work In Restricted Working Space, Add	*41.66*	
22 11 16 00-0050	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,040.67	96.84
		For 300 Lb. Rating, Add	*3,053.38*	
		For ASTM 120, Deduct	*-134.32*	
		For Work In Restricted Working Space, Add	*43.55*	
22 11 16 00-0051	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,232.07	101.20
		For 300 Lb. Rating, Add	*3,682.29*	
		For ASTM 120, Deduct	*-162.05*	
		For Work In Restricted Working Space, Add	*45.52*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	42.76	22.99
		For ASTM 120, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*10.37*	
22 11 16 00-0054	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	49.16	25.79
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0055	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	47.85	24.45
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*11.00*	
22 11 16 00-0056	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	61.12	28.98
		For ASTM 120, Deduct	*-2.65*	
		For Work In Restricted Working Space, Add	*13.03*	
22 11 16 00-0057	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	62.54	27.51
		For ASTM 120, Deduct	*-3.19*	
		For Work In Restricted Working Space, Add	*12.39*	
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	61.86	26.29
		For ASTM 120, Deduct	*-3.38*	
		For Work In Restricted Working Space, Add	*11.81*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	77.32	32.76
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	74.63	30.93
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*13.91*	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	72.50	29.46
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	92.06	39.36
		For ASTM 120, Deduct	*-4.95*	
		For Work In Restricted Working Space, Add	*17.72*	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	93.94	37.41
		For ASTM 120, Deduct	*-5.68*	
		For Work In Restricted Working Space, Add	*16.83*	
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	92.67	35.58
		For ASTM 120, Deduct	*-5.89*	
		For Work In Restricted Working Space, Add	*16.02*	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	81.08	34.23
		For ASTM 120, Deduct	*-4.47*	
		For Work In Restricted Working Space, Add	*15.39*	
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	193.82	54.65
		For ASTM 120, Deduct	*-16.78*	
		For Work In Restricted Working Space, Add	*24.58*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	199.56	50.00
		For ASTM 120, Deduct	*-18.70*	
		For Work In Restricted Working Space, Add	*22.47*	
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	316.58	75.55
		For ASTM 120, Deduct	*-30.50*	
		For Work In Restricted Working Space, Add	*33.97*	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	274.00	64.92
		For ASTM 120, Deduct	*-26.49*	
		For Work In Restricted Working Space, Add	*29.21*	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	586.73	84.41
		For ASTM 120, Deduct	*-69.02*	
		For Work In Restricted Working Space, Add	*37.97*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	37.41	21.76
		For 300 Lb. Rating, Add	*18.31*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	43.41	24.33
		For 300 Lb. Rating, Add	*25.72*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	48.55	27.14
		For 300 Lb. Rating, Add	*28.97*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*12.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	60.72	30.81
		For 300 Lb. Rating, Add	*52.34*	
		For ASTM 120, Deduct	*-2.19*	
		For Work In Restricted Working Space, Add	*13.84*	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	69.15	34.72
		For 300 Lb. Rating, Add	*61.36*	
		For ASTM 120, Deduct	*-2.57*	
		For Work In Restricted Working Space, Add	*15.61*	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	91.43	44.13
		For 300 Lb. Rating, Add	*90.15*	
		For ASTM 120, Deduct	*-3.80*	
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	186.00	65.28
		For 300 Lb. Rating, Add	*305.75*	
		For ASTM 120, Deduct	*-13.23*	
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	256.96	85.82
		For 300 Lb. Rating, Add	*443.87*	
		For ASTM 120, Deduct	*-19.24*	
		For Work In Restricted Working Space, Add	*38.60*	
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	348.14	88.74
		For 300 Lb. Rating, Add	*739.19*	
		For ASTM 120, Deduct	*-32.26*	
		For Work In Restricted Working Space, Add	*39.92*	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,007.88	92.62
		For 300 Lb. Rating, Add	*2,962.97*	
		For ASTM 120, Deduct	*-130.35*	
		For Work In Restricted Working Space, Add	*41.66*	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,193.00	96.84
		For 300 Lb. Rating, Add	*3,571.30*	
		For ASTM 120, Deduct	*-157.17*	
		For Work In Restricted Working Space, Add	*43.55*	
22 11 16 00-0083	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,414.04	101.20
		For 300 Lb. Rating, Add	*4,300.99*	
		For ASTM 120, Deduct	*-189.35*	
		For Work In Restricted Working Space, Add	*45.52*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	45.73	27.14
		For 300 Lb. Rating, Add	*19.38*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0086	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	55.24	31.42
		For 300 Lb. Rating, Add	*30.77*	
		For ASTM 120, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*14.11*	
22 11 16 00-0087	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	68.86	37.04
		For 300 Lb. Rating, Add	*48.52*	
		For ASTM 120, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0088	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	87.17	44.13
		For 300 Lb. Rating, Add	*75.67*	
		For ASTM 120, Deduct	*-3.16*	
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0089	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	105.08	52.57
		For 300 Lb. Rating, Add	*93.85*	
		For ASTM 120, Deduct	*-3.93*	
		For Work In Restricted Working Space, Add	*23.66*	
22 11 16 00-0090	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	140.41	65.28
		For 300 Lb. Rating, Add	*150.74*	
		For ASTM 120, Deduct	*-6.39*	
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0091	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	226.25	70.90
		For 300 Lb. Rating, Add	*414.21*	
		For ASTM 120, Deduct	*-17.99*	
		For Work In Restricted Working Space, Add	*31.89*	
22 11 16 00-0092	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	269.35	85.82
		For 300 Lb. Rating, Add	*486.00*	
		For ASTM 120, Deduct	*-21.10*	
		For Work In Restricted Working Space, Add	*38.60*	
22 11 16 00-0093	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	500.88	112.14
		For 300 Lb. Rating, Add	*1,141.50*	
		For ASTM 120, Deduct	*-49.92*	
		For Work In Restricted Working Space, Add	*50.43*	
22 11 16 00-0094	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,245.65	133.12
		For 300 Lb. Rating, Add	*3,568.48*	
		For ASTM 120, Deduct	*-156.90*	
		For Work In Restricted Working Space, Add	*59.89*	
22 11 16 00-0095	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,414.58	152.17
		For 300 Lb. Rating, Add	*4,047.58*	
		For ASTM 120, Deduct	*-177.97*	
		For Work In Restricted Working Space, Add	*68.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0096	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,683.48	180.69
		For 300 Lb. Rating, Add	*4,809.44*	
		For ASTM 120, Deduct	*-211.46*	
		For Work In Restricted Working Space, Add	*82.13*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	52.33	27.14
		For 300 Lb. Rating, Add	*41.82*	
		For ASTM 120, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0099	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	58.44	31.42
		For 300 Lb. Rating, Add	*41.65*	
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*14.11*	
22 11 16 00-0100	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	71.62	37.04
		For 300 Lb. Rating, Add	*57.90*	
		For ASTM 120, Deduct	*-2.41*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0101	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	90.97	44.13
		For 300 Lb. Rating, Add	*88.59*	
		For ASTM 120, Deduct	*-3.73*	
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0102	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	109.61	52.57
		For 300 Lb. Rating, Add	*109.25*	
		For ASTM 120, Deduct	*-4.61*	
		For Work In Restricted Working Space, Add	*23.66*	
22 11 16 00-0103	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	142.69	65.28
		For 300 Lb. Rating, Add	*158.49*	
		For ASTM 120, Deduct	*-6.73*	
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0104	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	265.17	71.14
		For 300 Lb. Rating, Add	*545.43*	
		For ASTM 120, Deduct	*-23.78*	
		For Work In Restricted Working Space, Add	*31.99*	
22 11 16 00-0105	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	336.34	87.17
		For 300 Lb. Rating, Add	*706.95*	
		For ASTM 120, Deduct	*-30.84*	
		For Work In Restricted Working Space, Add	*39.22*	
22 11 16 00-0106	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	764.16	112.14
		For 300 Lb. Rating, Add	*2,036.66*	
		For ASTM 120, Deduct	*-89.41*	
		For Work In Restricted Working Space, Add	*50.43*	
22 11 16 00-0107	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,581.45	133.12
		For 300 Lb. Rating, Add	*4,710.20*	
		For ASTM 120, Deduct	*-207.27*	
		For Work In Restricted Working Space, Add	*59.89*	
22 11 16 00-0108	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,796.24	152.17
		For 300 Lb. Rating, Add	*5,345.23*	
		For ASTM 120, Deduct	*-235.22*	
		For Work In Restricted Working Space, Add	*68.44*	
22 11 16 00-0109	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	2,153.10	174.74
		For 300 Lb. Rating, Add	*6,444.22*	
		For ASTM 120, Deduct	*-283.61*	
		For Work In Restricted Working Space, Add	*78.71*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	41.84	21.76
		For 300 Lb. Rating, Add	*33.37*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0112	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	47.14	24.33
		For 300 Lb. Rating, Add	*38.40*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0113	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	58.20	27.14
		For 300 Lb. Rating, Add	*61.78*	
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0114	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	70.76	30.81
		For 300 Lb. Rating, Add	*86.48*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*13.84*	
22 11 16 00-0115	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	80.00	34.72
		For 300 Lb. Rating, Add	*98.25*	
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*15.61*	
22 11 16 00-0116	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	106.99	44.13
		For 300 Lb. Rating, Add	*143.06*	
		For ASTM 120, Deduct	*-6.14*	
		For Work In Restricted Working Space, Add	*19.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0117	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	223.03	65.28
		For 300 Lb. Rating, Add	*431.65*	
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0118	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	296.06	85.82
		For 300 Lb. Rating, Add	*576.81*	
		For ASTM 120, Deduct	*-25.11*	
		For Work In Restricted Working Space, Add	*38.60*	
22 11 16 00-0119	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	488.56	88.74
		For 300 Lb. Rating, Add	*1,216.62*	
		For ASTM 120, Deduct	*-53.32*	
		For Work In Restricted Working Space, Add	*39.92*	
22 11 16 00-0120	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,139.81	92.62
		For 300 Lb. Rating, Add	*3,411.53*	
		For ASTM 120, Deduct	*-150.14*	
		For Work In Restricted Working Space, Add	*41.66*	
22 11 16 00-0121	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,285.52	96.84
		For 300 Lb. Rating, Add	*3,885.87*	
		For ASTM 120, Deduct	*-171.05*	
		For Work In Restricted Working Space, Add	*43.55*	
22 11 16 00-0122	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,526.07	101.20
		For 300 Lb. Rating, Add	*4,681.89*	
		For ASTM 120, Deduct	*-206.15*	
		For Work In Restricted Working Space, Add	*45.52*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	43.81	21.76
		For 300 Lb. Rating, Add	*40.07*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0125	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	48.48	24.33
		For 300 Lb. Rating, Add	*42.96*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0126	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	60.73	27.14
		For 300 Lb. Rating, Add	*70.38*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0127	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	71.97	30.81
		For 300 Lb. Rating, Add	*90.59*	
		For ASTM 120, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*13.84*	
22 11 16 00-0128	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	85.34	34.72
		For 300 Lb. Rating, Add	*116.41*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*15.61*	
22 11 16 00-0129	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	111.53	44.13
		For 300 Lb. Rating, Add	*158.49*	
		For ASTM 120, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0130	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	224.62	65.28
		For 300 Lb. Rating, Add	*437.06*	
		For ASTM 120, Deduct	*-19.02*	
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0131	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	291.31	85.82
		For 300 Lb. Rating, Add	*560.66*	
		For ASTM 120, Deduct	*-24.39*	
		For Work In Restricted Working Space, Add	*38.60*	
22 11 16 00-0132	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	497.71	88.74
		For 300 Lb. Rating, Add	*1,247.73*	
		For ASTM 120, Deduct	*-54.69*	
		For Work In Restricted Working Space, Add	*39.92*	
22 11 16 00-0133	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,192.50	92.62
		For 300 Lb. Rating, Add	*3,590.67*	
		For ASTM 120, Deduct	*-158.04*	
		For Work In Restricted Working Space, Add	*41.66*	
22 11 16 00-0134	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,345.54	96.84
		For 300 Lb. Rating, Add	*4,089.93*	
		For ASTM 120, Deduct	*-180.05*	
		For Work In Restricted Working Space, Add	*43.55*	
22 11 16 00-0135	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,598.94	101.20
		For 300 Lb. Rating, Add	*4,929.65*	
		For ASTM 120, Deduct	*-217.08*	
		For Work In Restricted Working Space, Add	*45.52*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	17.37	10.14
		For 300 Lb. Rating, Add	*8.02*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*4.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0138	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	19.19	10.88
		For 300 Lb. Rating, Add	*10.80*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*4.89*	
22 11 16 00-0139	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Cap	22.40	12.59
		For 300 Lb. Rating, Add	*13.33*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0140	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.44	13.20
		For 300 Lb. Rating, Add	*17.23*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*5.92*	
22 11 16 00-0141	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.14	13.20
		For 300 Lb. Rating, Add	*16.21*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*5.92*	
22 11 16 00-0142	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	35.75	17.48
		For 300 Lb. Rating, Add	*33.74*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0143	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	53.83	21.76
		For 300 Lb. Rating, Add	*74.14*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0144	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Cap	69.66	26.29
		For 300 Lb. Rating, Add	*105.15*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0145	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	102.14	30.45
		For 300 Lb. Rating, Add	*194.87*	
		For ASTM 120, Deduct	*-8.48*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0146	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Cap	244.65	38.10
		For 300 Lb. Rating, Add	*641.30*	
		For ASTM 120, Deduct	*-28.14*	
		For Work In Restricted Working Space, Add	*17.11*	
22 11 16 00-0147	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Cap	304.40	45.28
		For 300 Lb. Rating, Add	*807.97*	
		For ASTM 120, Deduct	*-35.47*	
		For Work In Restricted Working Space, Add	*20.39*	
22 11 16 00-0148	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Cap	382.28	50.60
		For 300 Lb. Rating, Add	*1,046.38*	
		For ASTM 120, Deduct	*-45.96*	
		For Work In Restricted Working Space, Add	*22.76*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	54.85	27.14
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0151	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	63.22	31.42
		For Work In Restricted Working Space, Add	*14.11*	
22 11 16 00-0152	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Union	76.79	37.04
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0153	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	96.76	44.13
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0154	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	116.04	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 11 16 00-0155	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Union	140.53	65.28
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0156	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	292.80	96.21
		For Work In Restricted Working Space, Add	*43.31*	
22 11 16 00-0157	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Union	397.69	126.53
		For Work In Restricted Working Space, Add	*56.99*	
22 11 16 00-0158	EA	1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	69.41	27.14
		For Work In Restricted Working Space, Add	*12.22*	
22 11 16 00-0159	EA	3/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	73.07	31.42
		For Work In Restricted Working Space, Add	*14.11*	
22 11 16 00-0160	EA	1" Diameter, 250 Lb., Galvanized Malleable Iron Union	87.87	37.04
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0161	EA	1-1/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	114.98	44.13
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0162	EA	1-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	135.18	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 11 16 00-0163	EA	2" Diameter, 250 Lb., Galvanized Malleable Iron Union	177.32	65.28
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0164	EA	2-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	353.56	96.21
		For Work In Restricted Working Space, Add	*43.31*	
22 11 16 00-0165	EA	3" Diameter, 250 Lb., Galvanized Malleable Iron Union	510.91	126.53
		For Work In Restricted Working Space, Add	*56.99*	
22 11 16 00-0166	EA	4" Diameter, 250 Lb., Galvanized Malleable Iron Union	699.92	130.96
		For Work In Restricted Working Space, Add	*58.94*	
22 11 16 00-0167	EA	1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	73.41	27.14
		For Work In Restricted Working Space, Add	*12.22*	
22 11 16 00-0168	EA	3/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	82.45	31.42
		For Work In Restricted Working Space, Add	*14.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0169	EA	1" Diameter, 300 Lb., Galvanized Malleable Iron Union	102.57	37.04
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0170	EA	1-1/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	131.60	44.13
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0171	EA	1-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	157.78	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 11 16 00-0172	EA	2" Diameter, 300 Lb., Galvanized Malleable Iron Union	192.51	65.28
		For Work In Restricted Working Space, Add	*29.34*	
22 11 16 00-0173	EA	2-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	408.55	96.21
		For Work In Restricted Working Space, Add	*43.31*	
22 11 16 00-0174	EA	3" Diameter, 300 Lb., Galvanized Malleable Iron Union	636.76	126.53
		For Work In Restricted Working Space, Add	*56.99*	
22 11 16 00-0175	EA	4" Diameter, 300 Lb., Galvanized Malleable Iron Union	1,317.05	130.96
		For Work In Restricted Working Space, Add	*58.94*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.68	11.61
		For Schedule 80 Nipples, Add	*2.53*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.26	11.61
		For Schedule 80 Nipples, Add	*2.05*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.64	11.61
		For Schedule 80 Nipples, Add	*2.49*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0180	EA	1" Diameter x Close, Schedule 40 Galvanized Steel Nipple	21.80	12.59
		For Schedule 80 Nipples, Add	*3.41*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0181	EA	1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	24.39	13.57
		For Schedule 80 Nipples, Add	*4.58*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0182	EA	1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	25.08	13.57
		For Schedule 80 Nipples, Add	*5.37*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0183	EA	2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	32.94	17.48
		For Schedule 80 Nipples, Add	*7.58*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0184	EA	2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	52.38	21.76
		For Schedule 80 Nipples, Add	*22.55*	
		For ASTM 120, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0185	EA	3" Diameter x Close, Schedule 40 Galvanized Steel Nipple	63.13	26.29
		For Schedule 80 Nipples, Add	*27.02*	
		For ASTM 120, Deduct	*-3.56*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0186	EA	4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	81.16	30.45
		For Schedule 80 Nipples, Add	*40.50*	
		For ASTM 120, Deduct	*-5.33*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0187	EA	3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.01	11.61
		For Schedule 80 Nipples, Add	*2.91*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0188	EA	1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.35	11.61
		For Schedule 80 Nipples, Add	*2.15*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0189	EA	3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.84	11.61
		For Schedule 80 Nipples, Add	*2.71*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0190	EA	3/8"Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	20.01	11.61
		For Schedule 80 Nipples, Add	*2.91*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0191	EA	1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.35	11.61
		For Schedule 80 Nipples, Add	*2.15*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0192	EA	3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.84	11.61
		For Schedule 80 Nipples, Add	*2.71*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0193	EA	1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	22.35	12.59
		For Schedule 80 Nipples, Add	*4.04*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*5.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0194	EA	1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	24.68	13.57
		For Schedule 80 Nipples, Add	*4.91*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0195	EA	1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	25.43	13.57
		For Schedule 80 Nipples, Add	*5.77*	
		For ASTM 120, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0196	EA	3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.86	11.61
		For Schedule 80 Nipples, Add	*3.88*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0197	EA	1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.68	11.61
		For Schedule 80 Nipples, Add	*2.53*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0198	EA	3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.09	11.61
		For Schedule 80 Nipples, Add	*3.00*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0199	EA	1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.64	12.59
		For Schedule 80 Nipples, Add	*4.37*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0200	EA	1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.10	13.57
		For Schedule 80 Nipples, Add	*5.39*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0201	EA	1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.01	13.57
		For Schedule 80 Nipples, Add	*6.43*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0202	EA	2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.77	17.48
		For Schedule 80 Nipples, Add	*8.53*	
		For ASTM 120, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0203	EA	3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	20.86	11.61
		For Schedule 80 Nipples, Add	*3.88*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0204	EA	1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	19.68	11.61
		For Schedule 80 Nipples, Add	*2.53*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0205	EA	3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	20.09	11.61
		For Schedule 80 Nipples, Add	*3.00*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0206	EA	1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	22.64	12.59
		For Schedule 80 Nipples, Add	*4.37*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0207	EA	1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	25.10	13.57
		For Schedule 80 Nipples, Add	*5.39*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0208	EA	1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	26.01	13.57
		For Schedule 80 Nipples, Add	*6.43*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0209	EA	2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	33.77	17.48
		For Schedule 80 Nipples, Add	*8.53*	
		For ASTM 120, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0210	EA	2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	53.14	21.76
		For Schedule 80 Nipples, Add	*23.42*	
		For ASTM 120, Deduct	*-3.08*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0211	EA	3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	66.40	26.29
		For Schedule 80 Nipples, Add	*30.75*	
		For ASTM 120, Deduct	*-4.05*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0212	EA	3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.50	11.61
		For Schedule 80 Nipples, Add	*4.61*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0213	EA	1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.20	11.61
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0214	EA	3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.86	11.61
		For Schedule 80 Nipples, Add	*3.88*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*5.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0215	EA	1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.41	12.59
		For Schedule 80 Nipples, Add	*5.24*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0216	EA	1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.01	13.57
		For Schedule 80 Nipples, Add	*6.43*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0217	EA	1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.50	13.57
		For Schedule 80 Nipples, Add	*8.13*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0218	EA	2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	35.37	17.48
		For Schedule 80 Nipples, Add	*10.35*	
		For ASTM 120, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0219	EA	2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	56.44	21.76
		For Schedule 80 Nipples, Add	*27.18*	
		For ASTM 120, Deduct	*-3.58*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0220	EA	3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	71.07	26.29
		For Schedule 80 Nipples, Add	*36.07*	
		For ASTM 120, Deduct	*-4.75*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0221	EA	3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	21.50	11.61
		For Schedule 80 Nipples, Add	*4.61*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0222	EA	1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	20.20	11.61
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0223	EA	3/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	21.50	11.61
		For Schedule 80 Nipples, Add	*4.61*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0224	EA	1" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	23.41	12.59
		For Schedule 80 Nipples, Add	*5.24*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0225	EA	1-1/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	26.01	13.57
		For Schedule 80 Nipples, Add	*6.43*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0226	EA	1-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	27.50	13.57
		For Schedule 80 Nipples, Add	*8.13*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0227	EA	2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	35.45	17.48
		For Schedule 80 Nipples, Add	*10.44*	
		For ASTM 120, Deduct	*-1.37*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0228	EA	2-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	56.44	21.76
		For Schedule 80 Nipples, Add	*27.18*	
		For ASTM 120, Deduct	*-3.58*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0229	EA	3" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	71.07	26.29
		For Schedule 80 Nipples, Add	*36.07*	
		For ASTM 120, Deduct	*-4.75*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0230	EA	4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	88.11	30.45
		For Schedule 80 Nipples, Add	*48.43*	
		For ASTM 120, Deduct	*-6.37*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0231	EA	3/8" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.02	11.61
		For Schedule 80 Nipples, Add	*6.34*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0232	EA	1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.76	11.61
		For Schedule 80 Nipples, Add	*3.76*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0233	EA	3/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.52	11.61
		For Schedule 80 Nipples, Add	*4.63*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0234	EA	1" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.45	12.59
		For Schedule 80 Nipples, Add	*6.43*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0235	EA	1-1/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.34	13.57
		For Schedule 80 Nipples, Add	*7.95*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*6.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0236	EA	1-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.99	13.57
		For Schedule 80 Nipples, Add	*9.83*	
		For ASTM 120, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0237	EA	2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	37.88	17.48
		For Schedule 80 Nipples, Add	*13.21*	
		For ASTM 120, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0238	EA	2-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	59.18	21.76
		For Schedule 80 Nipples, Add	*30.30*	
		For ASTM 120, Deduct	*-3.99*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0239	EA	3" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	76.31	26.29
		For Schedule 80 Nipples, Add	*42.04*	
		For ASTM 120, Deduct	*-5.53*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0240	EA	4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	93.27	30.45
		For Schedule 80 Nipples, Add	*54.31*	
		For ASTM 120, Deduct	*-7.15*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0241	EA	3/8" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	23.02	11.61
		For Schedule 80 Nipples, Add	*6.34*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0242	EA	1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	20.76	11.61
		For Schedule 80 Nipples, Add	*3.76*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0243	EA	3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	21.52	11.61
		For Schedule 80 Nipples, Add	*4.63*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0244	EA	1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	24.45	12.59
		For Schedule 80 Nipples, Add	*6.43*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0245	EA	1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	27.34	13.57
		For Schedule 80 Nipples, Add	*7.95*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0246	EA	1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	28.99	13.57
		For Schedule 80 Nipples, Add	*9.83*	
		For ASTM 120, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0247	EA	2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	37.88	17.48
		For Schedule 80 Nipples, Add	*13.21*	
		For ASTM 120, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0248	EA	2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	59.18	21.76
		For Schedule 80 Nipples, Add	*30.30*	
		For ASTM 120, Deduct	*-3.99*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0249	EA	3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	76.31	26.29
		For Schedule 80 Nipples, Add	*42.04*	
		For ASTM 120, Deduct	*-5.53*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0250	EA	4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	93.27	30.45
		For Schedule 80 Nipples, Add	*54.31*	
		For ASTM 120, Deduct	*-7.15*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0251	EA	3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	23.64	11.61
		For Schedule 80 Nipples, Add	*7.05*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0252	EA	1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	21.21	11.61
		For Schedule 80 Nipples, Add	*4.28*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0253	EA	3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	22.33	11.61
		For Schedule 80 Nipples, Add	*5.55*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0254	EA	1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	25.20	12.59
		For Schedule 80 Nipples, Add	*7.28*	
		For ASTM 120, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0255	EA	1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	28.46	13.57
		For Schedule 80 Nipples, Add	*9.22*	
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0256	EA	1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	30.07	13.57
		For Schedule 80 Nipples, Add	*11.06*	
		For ASTM 120, Deduct	*-1.46*	
		For Work In Restricted Working Space, Add	*6.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0257	EA	2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	39.76	17.48
		For Schedule 80 Nipples, Add	*15.36*	
		For ASTM 120, Deduct	*-2.02*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0258	EA	2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	61.81	21.76
		For Schedule 80 Nipples, Add	*33.30*	
		For ASTM 120, Deduct	*-4.38*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0259	EA	3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	78.43	26.29
		For Schedule 80 Nipples, Add	*44.46*	
		For ASTM 120, Deduct	*-5.85*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0260	EA	4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	98.29	30.45
		For Schedule 80 Nipples, Add	*60.03*	
		For ASTM 120, Deduct	*-7.90*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0261	EA	3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	42.17	11.61
		For Schedule 80 Nipples, Add	*28.17*	
		For ASTM 120, Deduct	*-3.71*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0262	EA	1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	24.07	11.61
		For Schedule 80 Nipples, Add	*7.54*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0263	EA	3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	25.90	11.61
		For Schedule 80 Nipples, Add	*9.62*	
		For ASTM 120, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0264	EA	1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	29.51	12.59
		For Schedule 80 Nipples, Add	*12.20*	
		For ASTM 120, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0265	EA	1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	33.49	13.57
		For Schedule 80 Nipples, Add	*14.96*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0266	EA	1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	35.42	13.57
		For Schedule 80 Nipples, Add	*17.16*	
		For ASTM 120, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0267	EA	2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	48.24	17.48
		For Schedule 80 Nipples, Add	*25.02*	
		For ASTM 120, Deduct	*-3.29*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0268	EA	2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	70.19	21.76
		For Schedule 80 Nipples, Add	*42.85*	
		For ASTM 120, Deduct	*-5.64*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0269	EA	3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	91.98	26.29
		For Schedule 80 Nipples, Add	*59.91*	
		For ASTM 120, Deduct	*-7.88*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0270	EA	4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	108.47	30.45
		For Schedule 80 Nipples, Add	*71.64*	
		For ASTM 120, Deduct	*-9.43*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0271	EA	3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	29.24	11.61
		For Schedule 80 Nipples, Add	*13.43*	
		For ASTM 120, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0272	EA	1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	25.30	11.61
		For Schedule 80 Nipples, Add	*8.94*	
		For ASTM 120, Deduct	*-1.18*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0273	EA	3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	26.83	11.61
		For Schedule 80 Nipples, Add	*10.68*	
		For ASTM 120, Deduct	*-1.41*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0274	EA	1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	31.04	12.59
		For Schedule 80 Nipples, Add	*13.94*	
		For ASTM 120, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0275	EA	1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	36.06	13.57
		For Schedule 80 Nipples, Add	*17.89*	
		For ASTM 120, Deduct	*-2.35*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0276	EA	1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	37.91	13.57
		For Schedule 80 Nipples, Add	*20.00*	
		For ASTM 120, Deduct	*-2.63*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0277	EA	2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	51.96	17.48
		For Schedule 80 Nipples, Add	*29.26*	
		For ASTM 120, Deduct	*-3.85*	
		For Work In Restricted Working Space, Add	*7.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0278	EA	2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	75.45	21.76
		For Schedule 80 Nipples, Add	*48.85*	
		For ASTM 120, Deduct	*-6.43*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0279	EA	3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	99.38	26.29
		For Schedule 80 Nipples, Add	*68.34*	
		For ASTM 120, Deduct	*-8.99*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0280	EA	4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	118.46	30.45
		For Schedule 80 Nipples, Add	*83.03*	
		For ASTM 120, Deduct	*-10.92*	
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0281	EA	3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	30.52	11.61
		For Schedule 80 Nipples, Add	*14.89*	
		For ASTM 120, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0282	EA	1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	26.39	11.61
		For Schedule 80 Nipples, Add	*10.18*	
		For ASTM 120, Deduct	*-1.34*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0283	EA	3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	27.97	11.61
		For Schedule 80 Nipples, Add	*11.98*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0284	EA	1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	33.05	12.59
		For Schedule 80 Nipples, Add	*16.23*	
		For ASTM 120, Deduct	*-2.14*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	39.21	13.57
		For Schedule 80 Nipples, Add	*21.48*	
		For ASTM 120, Deduct	*-2.83*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	40.44	13.57
		For Schedule 80 Nipples, Add	*22.88*	
		For ASTM 120, Deduct	*-3.01*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	55.75	17.48
		For Schedule 80 Nipples, Add	*33.58*	
		For ASTM 120, Deduct	*-4.42*	
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	80.55	21.76
		For Schedule 80 Nipples, Add	*54.66*	
		For ASTM 120, Deduct	*-7.19*	
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	106.83	26.29
		For Schedule 80 Nipples, Add	*76.84*	
		For ASTM 120, Deduct	*-10.11*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	128.55	30.45
		For Schedule 80 Nipples, Add	*94.53*	
		For ASTM 120, Deduct	*-12.44*	
		For Work In Restricted Working Space, Add	*13.69*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0837 for dielectric unions.

22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.98	11.61
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.36	11.61
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.70	11.61
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.96	11.61
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.27	11.61
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.05	11.61
		For Work In Restricted Working Space, Add	*5.24*	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.63	12.59
		For Work In Restricted Working Space, Add	*5.65*	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.04	12.59
		For Work In Restricted Working Space, Add	*5.65*	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	30.35	12.59
		For Work In Restricted Working Space, Add	*5.65*	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	32.86	13.57
		For Work In Restricted Working Space, Add	*6.12*	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	36.34	13.57
		For Work In Restricted Working Space, Add	*6.12*	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	48.45	17.48
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	57.84	21.76
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	90.25	26.29
		For Work In Restricted Working Space, Add	*11.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	20.24	8.68
		For 300 Lb. Rating, Add	*25.26*	
		For Work In Restricted Working Space, Add	*3.91*	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	21.79	9.78
		For 300 Lb. Rating, Add	*25.36*	
		For Work In Restricted Working Space, Add	*4.38*	
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	24.19	10.88
		For 300 Lb. Rating, Add	*27.84*	
		For Work In Restricted Working Space, Add	*4.89*	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	30.59	12.35
		For 300 Lb. Rating, Add	*42.38*	
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0311	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	37.16	13.82
		For 300 Lb. Rating, Add	*56.87*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0312	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	47.23	17.60
		For 300 Lb. Rating, Add	*72.31*	
		For Work In Restricted Working Space, Add	*7.93*	
22 11 16 00-0313	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	79.69	26.04
		For 300 Lb. Rating, Add	*140.29*	
		For Work In Restricted Working Space, Add	*11.74*	
22 11 16 00-0314	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	109.04	34.35
		For 300 Lb. Rating, Add	*198.79*	
		For Work In Restricted Working Space, Add	*15.44*	
22 11 16 00-0315	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	172.72	35.47
		For 300 Lb. Rating, Add	*409.46*	
		For Work In Restricted Working Space, Add	*15.97*	
22 11 16 00-0316	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	274.78	37.07
		For 300 Lb. Rating, Add	*748.72*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0317	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	295.09	38.68
		For 300 Lb. Rating, Add	*809.32*	
		For Work In Restricted Working Space, Add	*17.42*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	43.86	22.99
		For Work In Restricted Working Space, Add	*10.37*	
22 11 16 00-0320	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	47.81	24.45
		For Work In Restricted Working Space, Add	*11.00*	
22 11 16 00-0321	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	49.17	25.79
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0322	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	54.95	26.29
		For Work In Restricted Working Space, Add	*11.81*	
22 11 16 00-0323	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	55.48	27.51
		For Work In Restricted Working Space, Add	*12.39*	
22 11 16 00-0324	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	57.62	28.98
		For Work In Restricted Working Space, Add	*13.03*	
22 11 16 00-0325	EA	1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	62.92	28.24
		For Work In Restricted Working Space, Add	*12.69*	
22 11 16 00-0326	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	64.86	29.46
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0327	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	64.96	30.93
		For Work In Restricted Working Space, Add	*13.91*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	66.22	32.76
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0329	EA	2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	75.08	32.88
		For Work In Restricted Working Space, Add	*14.80*	
22 11 16 00-0330	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	75.24	34.23
		For Work In Restricted Working Space, Add	*15.39*	
22 11 16 00-0331	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	76.05	35.58
		For Work In Restricted Working Space, Add	*16.02*	
22 11 16 00-0332	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	78.74	37.41
		For Work In Restricted Working Space, Add	*16.83*	
22 11 16 00-0333	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	78.91	39.36
		For Work In Restricted Working Space, Add	*17.72*	
22 11 16 00-0334	EA	2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	104.39	44.75
		For Work In Restricted Working Space, Add	*20.15*	
22 11 16 00-0335	EA	2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	106.51	46.21
		For Work In Restricted Working Space, Add	*20.78*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	109.21	47.92
		For Work In Restricted Working Space, Add	*21.59*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	111.46	50.00
		For Work In Restricted Working Space, Add	*22.47*	
22 11 16 00-0338	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	114.33	54.65
		For Work In Restricted Working Space, Add	*24.58*	
22 11 16 00-0339	EA	3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	131.75	55.01
		For Work In Restricted Working Space, Add	*24.78*	
22 11 16 00-0340	EA	3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	133.88	56.48
		For Work In Restricted Working Space, Add	*25.42*	
22 11 16 00-0341	EA	3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	136.57	58.31
		For Work In Restricted Working Space, Add	*26.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0342	EA	3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	138.56	60.27
		For Work In Restricted Working Space, Add	*27.11*	
22 11 16 00-0343	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	141.08	64.92
		For Work In Restricted Working Space, Add	*29.21*	
22 11 16 00-0344	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	159.47	75.55
		For Work In Restricted Working Space, Add	*33.97*	
22 11 16 00-0345	EA	4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	186.60	55.67
		For Work In Restricted Working Space, Add	*25.07*	
22 11 16 00-0346	EA	4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	188.58	57.04
		For Work In Restricted Working Space, Add	*25.67*	
22 11 16 00-0347	EA	4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	191.09	58.74
		For Work In Restricted Working Space, Add	*26.42*	
22 11 16 00-0348	EA	4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	193.84	60.58
		For Work In Restricted Working Space, Add	*27.24*	
22 11 16 00-0349	EA	4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	188.27	64.91
		For Work In Restricted Working Space, Add	*29.21*	
22 11 16 00-0350	EA	4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	215.20	74.83
		For Work In Restricted Working Space, Add	*33.65*	
22 11 16 00-0351	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	222.80	84.41
		For Work In Restricted Working Space, Add	*37.97*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall.

22 11 16 00-0353	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	75.22	44.67
22 11 16 00-0354	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	82.23	48.90
22 11 16 00-0355	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	94.41	55.25
22 11 16 00-0356	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	98.12	57.22
22 11 16 00-0357	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	106.79	62.23
22 11 16 00-0358	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	114.94	64.92

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	142.62	48.90
		For Work In Restricted Working Space, Add	*22.01*	
22 11 16 00-0361	EA	1" Diameter, 125 Lb., Galvanized Cast Iron Flange	136.51	55.25
		For Work In Restricted Working Space, Add	*24.86*	
22 11 16 00-0362	EA	1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	114.13	57.22
		For Work In Restricted Working Space, Add	*25.73*	
22 11 16 00-0363	EA	1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	135.18	62.23
		For Work In Restricted Working Space, Add	*28.00*	
22 11 16 00-0364	EA	2" Diameter, 125 Lb., Galvanized Cast Iron Flange	152.79	64.92
		For Work In Restricted Working Space, Add	*29.22*	
22 11 16 00-0365	EA	2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	177.46	75.18
		For Work In Restricted Working Space, Add	*33.80*	
22 11 16 00-0366	EA	3" Diameter, 125 Lb., Galvanized Cast Iron Flange	317.96	95.35
		For Work In Restricted Working Space, Add	*42.88*	
22 11 16 00-0367	EA	4" Diameter, 125 Lb., Galvanized Cast Iron Flange	420.85	121.72
		For Work In Restricted Working Space, Add	*54.74*	
22 11 16 00-0368	EA	5" Diameter, 125 Lb., Galvanized Cast Iron Flange	591.44	144.87
		For Work In Restricted Working Space, Add	*65.17*	
22 11 16 00-0369	EA	6" Diameter, 125 Lb., Galvanized Cast Iron Flange	649.52	166.43
		For Work In Restricted Working Space, Add	*74.86*	
22 11 16 00-0370	EA	8" Diameter, 125 Lb., Galvanized Cast Iron Flange	597.91	190.21
		For Work In Restricted Working Space, Add	*85.55*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	39.83	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0373	EA	3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	43.81	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0374	EA	1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	47.80	
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0375	EA	1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	51.78	
		For Work In Restricted Working Space, Add	*15.53*	
22 11 16 00-0376	EA	1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	54.44	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0377	EA	2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	57.09	
		For Work In Restricted Working Space, Add	*17.13*	
22 11 16 00-0378	EA	2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	59.75	
		For Work In Restricted Working Space, Add	*17.93*	
22 11 16 00-0379	EA	3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	62.40	
		For Work In Restricted Working Space, Add	*18.72*	
22 11 16 00-0380	EA	4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	65.06	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0381	EA	6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	70.36	
		For Work In Restricted Working Space, Add	*21.11*	
22 11 16 00-0382	EA	8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	75.67	
		For Work In Restricted Working Space, Add	*22.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0383		**Copper Pipe And Fittings** *(22 11 16)* Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.		
22 11 16 00-0384		**Copper Tube/Pipe** *(22 11 16 00-0383)* Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0385		**Hard Drawn Type L Copper Tube/Pipe** *(22 11 16 00-0384)*		
22 11 16 00-0386	LF	1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	6.35	2.99
		For Medical/Oxygen Service Tubing, Add	*0.15*	
		For Up To 20, Add	*0.68*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.34*	
22 11 16 00-0387	LF	3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe	7.40	3.11
		For Medical/Oxygen Service Tubing, Add	*0.22*	
		For Up To 20, Add	*0.81*	
		For >200, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*1.40*	
22 11 16 00-0388	LF	1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	8.11	3.24
		For Medical/Oxygen Service Tubing, Add	*0.26*	
		For Up To 20, Add	*0.89*	
		For >200, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0389	LF	3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	10.45	3.44
		For Medical/Oxygen Service Tubing, Add	*0.42*	
		For Up To 20, Add	*1.18*	
		For >200, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0390	LF	1" Diameter, Hard Drawn Type L Copper Tube/Pipe	13.44	3.86
		For Medical/Oxygen Service Tubing, Add	*0.61*	
		For Up To 20, Add	*1.54*	
		For >200, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*1.74*	
22 11 16 00-0391	LF	1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	19.15	5.74
		For Medical/Oxygen Service Tubing, Add	*0.84*	
		For Up To 20, Add	*2.18*	
		For >200, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*2.58*	
22 11 16 00-0392	LF	1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	23.18	6.41
		For Medical/Oxygen Service Tubing, Add	*1.09*	
		For Up To 20, Add	*2.66*	
		For >200, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*2.88*	
22 11 16 00-0393	LF	2" Diameter, Hard Drawn Type L Copper Tube/Pipe	33.33	7.92
		For Medical/Oxygen Service Tubing, Add	*1.72*	
		For Up To 20, Add	*3.87*	
		For >200, Deduct	*-2.15*	
		For Work In Restricted Working Space, Add	*3.56*	
22 11 16 00-0394	LF	2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	58.95	9.30
		For Medical/Oxygen Service Tubing, Add	*2.48*	
		For Up To 20, Add	*6.67*	
		For >200, Deduct	*-3.10*	
		For Work In Restricted Working Space, Add	*8.39*	
22 11 16 00-0395	LF	3" Diameter, Hard Drawn Type L Copper Tube/Pipe	74.23	10.97
		For Medical/Oxygen Service Tubing, Add	*3.31*	
		For Up To 20, Add	*8.46*	
		For >200, Deduct	*-4.14*	
		For Work In Restricted Working Space, Add	*9.86*	
22 11 16 00-0396	LF	4" Diameter, Hard Drawn Type L Copper Tube/Pipe	110.79	12.37
		For Medical/Oxygen Service Tubing, Add	*5.90*	
		For Up To 20, Add	*12.92*	
		For >200, Deduct	*-7.37*	
		For Work In Restricted Working Space, Add	*11.13*	
22 11 16 00-0397	LF	5" Diameter, Hard Drawn Type L Copper Tube/Pipe	172.78	14.20
		For Medical/Oxygen Service Tubing, Add	*10.41*	
		For Up To 20, Add	*20.53*	
		For >200, Deduct	*-13.02*	
		For Work In Restricted Working Space, Add	*12.78*	
22 11 16 00-0398	LF	6" Diameter, Hard Drawn Type L Copper Tube/Pipe	237.27	22.02
		For Medical/Oxygen Service Tubing, Add	*13.70*	
		For Up To 20, Add	*28.01*	
		For >200, Deduct	*-17.13*	
		For Work In Restricted Working Space, Add	*19.80*	
22 11 16 00-0399	LF	8" Diameter, Hard Drawn Type L Copper Tube/Pipe	396.15	24.48
		For Medical/Oxygen Service Tubing, Add	*25.82*	
		For Up To 20, Add	*47.68*	
		For >200, Deduct	*-32.28*	
		For Work In Restricted Working Space, Add	*22.02*	
22 11 16 00-0400		**Hard Drawn Type K Copper Tube/Pipe** *(22 11 16 00-0384)*		
22 11 16 00-0401	LF	1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	6.91	3.21
		For Medical/Oxygen Service Tubing, Add	*0.17*	
		For Up To 20, Add	*0.74*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0402	LF	3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe	9.27	3.35
		For Medical/Oxygen Service Tubing, Add	*0.30*	
		For Up To 20, Add	*1.02*	
		For >200, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*1.65*	
22 11 16 00-0403	LF	1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	9.78	3.48
		For Medical/Oxygen Service Tubing, Add	*0.35*	
		For Up To 20, Add	*1.09*	
		For >200, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*1.61*	
22 11 16 00-0404	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	14.20	3.69
		For Medical/Oxygen Service Tubing, Add	*0.64*	
		For Up To 20, Add	*1.62*	
		For >200, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*1.87*	
22 11 16 00-0405	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	17.21	4.15
		For Medical/Oxygen Service Tubing, Add	*0.85*	
		For Up To 20, Add	*1.99*	
		For >200, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*1.98*	
22 11 16 00-0406	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	22.57	6.18
		For Medical/Oxygen Service Tubing, Add	*1.06*	
		For Up To 20, Add	*2.59*	
		For >200, Deduct	*-1.32*	
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0407	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	27.43	6.89
		For Medical/Oxygen Service Tubing, Add	*1.35*	
		For Up To 20, Add	*3.17*	
		For >200, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*3.16*	
22 11 16 00-0408	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe	38.89	8.51
		For Medical/Oxygen Service Tubing, Add	*2.08*	
		For Up To 20, Add	*4.54*	
		For >200, Deduct	*-2.60*	
		For Work In Restricted Working Space, Add	*3.87*	
22 11 16 00-0409	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	66.79	10.00
		For Medical/Oxygen Service Tubing, Add	*3.10*	
		For Up To 20, Add	*7.65*	
		For >200, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*8.42*	
22 11 16 00-0410	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe	89.09	11.79
		For Medical/Oxygen Service Tubing, Add	*4.23*	
		For Up To 20, Add	*10.23*	
		For >200, Deduct	*-5.29*	
		For Work In Restricted Working Space, Add	*10.85*	
22 11 16 00-0411	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe	135.31	13.30
		For Medical/Oxygen Service Tubing, Add	*7.55*	
		For Up To 20, Add	*15.89*	
		For >200, Deduct	*-9.43*	
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-0412	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe	221.24	15.27
		For Medical/Oxygen Service Tubing, Add	*13.83*	
		For Up To 20, Add	*26.45*	
		For >200, Deduct	*-17.29*	
		For Work In Restricted Working Space, Add	*14.51*	
22 11 16 00-0413	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe	326.01	23.67
		For Medical/Oxygen Service Tubing, Add	*19.84*	
		For Up To 20, Add	*38.80*	
		For >200, Deduct	*-24.80*	
		For Work In Restricted Working Space, Add	*23.40*	
22 11 16 00-0414	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe	550.36	26.31
		For Medical/Oxygen Service Tubing, Add	*37.15*	
		For Up To 20, Add	*66.65*	
		For >200, Deduct	*-46.44*	
		For Work In Restricted Working Space, Add	*25.78*	
22 11 16 00-0415		**Hard Drawn Type M Copper Tube/Pipe** *(22 11 16 00-0384)*		
22 11 16 00-0416	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.17	2.80
		For Up To 20, Add	*0.67*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.21*	
22 11 16 00-0417	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.56	2.92
		For Up To 20, Add	*0.72*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.25*	
22 11 16 00-0418	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	8.31	3.10
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.33*	
22 11 16 00-0419	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe	10.93	3.48
		For Up To 20, Add	*1.24*	
		For >200, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0420	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	16.33	5.18
		For Up To 20, Add	*1.85*	
		For >200, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*2.29*	
22 11 16 00-0421	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	20.76	5.77
		For Up To 20, Add	*2.38*	
		For >200, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*2.63*	
22 11 16 00-0422	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe	29.75	7.11
		For Up To 20, Add	*3.45*	
		For >200, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*3.26*	
22 11 16 00-0423	LF	2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	53.80	8.37
		For Up To 20, Add	*6.06*	
		For >200, Deduct	*-2.74*	
		For Work In Restricted Working Space, Add	*7.92*	
22 11 16 00-0424	LF	3" Diameter, Hard Drawn Type M Copper Tube/Pipe	66.09	9.86
		For Up To 20, Add	*7.52*	
		For >200, Deduct	*-3.64*	
		For Work In Restricted Working Space, Add	*8.90*	
22 11 16 00-0425	LF	4" Diameter, Hard Drawn Type M Copper Tube/Pipe	102.84	11.14
		For Up To 20, Add	*11.99*	
		For >200, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*10.38*	
22 11 16 00-0426	LF	5" Diameter, Hard Drawn Type M Copper Tube/Pipe	172.40	12.79
		For Up To 20, Add	*20.55*	
		For >200, Deduct	*-13.25*	
		For Work In Restricted Working Space, Add	*11.99*	
22 11 16 00-0427	LF	6" Diameter, Hard Drawn Type M Copper Tube/Pipe	238.83	19.82
		For Up To 20, Add	*28.31*	
		For >200, Deduct	*-17.70*	
		For Work In Restricted Working Space, Add	*18.56*	
22 11 16 00-0428	LF	8" Diameter, Hard Drawn Type M Copper Tube/Pipe	403.39	22.03
		For Up To 20, Add	*48.72*	
		For >200, Deduct	*-33.53*	
		For Work In Restricted Working Space, Add	*20.42*	
22 11 16 00-0429		**Soft Drawn Type L Copper Tube** *(22 11 16 00-0384)*		
22 11 16 00-0430	LF	1/4" Diameter, Soft Drawn Type L Copper Tube	6.87	2.99
		For Up To 20, Add	*0.75*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.34*	
22 11 16 00-0431	LF	3/8" Diameter, Soft Drawn Type L Copper Tube	8.41	3.11
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*1.40*	
22 11 16 00-0432	LF	1/2" Diameter, Soft Drawn Type L Copper Tube	9.88	3.24
		For Up To 20, Add	*1.11*	
		For >200, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0433	LF	5/8" Diameter, Soft Drawn Type L Copper Tube	11.45	3.35
		For Up To 20, Add	*1.31*	
		For >200, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*1.50*	
22 11 16 00-0434	LF	3/4" Diameter, Soft Drawn Type L Copper Tube	12.84	3.44
		For Up To 20, Add	*1.48*	
		For >200, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0435	LF	1" Diameter, Soft Drawn Type L Copper Tube	16.43	3.86
		For Up To 20, Add	*1.91*	
		For >200, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*1.74*	
22 11 16 00-0436	LF	1-1/4" Diameter, Soft Drawn Type L Copper Tube	22.61	5.74
		For Up To 20, Add	*2.61*	
		For >200, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*2.58*	
22 11 16 00-0437	LF	1-1/2" Diameter, Soft Drawn Type L Copper Tube	28.59	6.41
		For Up To 20, Add	*3.33*	
		For >200, Deduct	*-1.90*	
		For Work In Restricted Working Space, Add	*2.88*	
22 11 16 00-0438	LF	2" Diameter, Soft Drawn Type L Copper Tube	42.04	7.92
		For Up To 20, Add	*4.96*	
		For >200, Deduct	*-3.02*	
		For Work In Restricted Working Space, Add	*3.56*	
22 11 16 00-0439		**Soft Drawn Type K Copper Tube** *(22 11 16 00-0384)*		
22 11 16 00-0440	LF	1/4" Diameter, Soft Drawn Type K Copper Tube	7.12	2.99
		For Up To 20, Add	*0.78*	
		For >200, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0441	LF	3/8" Diameter, Soft Drawn Type K Copper Tube	9.19	3.11
		For Up To 20, Add	*1.03*	
		For >200, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.40*	
22 11 16 00-0442	LF	1/2" Diameter, Soft Drawn Type K Copper Tube	10.52	3.24
		For Up To 20, Add	*1.19*	
		For >200, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0443	LF	5/8" Diameter, Soft Drawn Type K Copper Tube	11.76	3.35
		For Up To 20, Add	*1.34*	
		For >200, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*1.50*	
22 11 16 00-0444	LF	3/4" Diameter, Soft Drawn Type K Copper Tube	15.64	3.44
		For Up To 20, Add	*1.83*	
		For >200, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0445	LF	1" Diameter, Soft Drawn Type K Copper Tube	19.70	3.86
		For Up To 20, Add	*2.32*	
		For >200, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*1.74*	
22 11 16 00-0446	LF	1-1/4" Diameter, Soft Drawn Type K Copper Tube	25.00	5.74
		For Up To 20, Add	*2.91*	
		For >200, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*2.58*	
22 11 16 00-0447	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	32.39	6.41
		For Up To 20, Add	*3.81*	
		For >200, Deduct	*-2.28*	
		For Work In Restricted Working Space, Add	*2.88*	
22 11 16 00-0448	LF	2" Diameter, Soft Drawn Type K Copper Tube	47.27	7.92
		For Up To 20, Add	*5.61*	
		For >200, Deduct	*-3.54*	
		For Work In Restricted Working Space, Add	*3.56*	
22 11 16 00-0449	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	67.33	9.49
		For Up To 20, Add	*8.06*	
		For >200, Deduct	*-5.31*	
		For Work In Restricted Working Space, Add	*4.27*	
22 11 16 00-0450	LF	3" Diameter, Soft Drawn Type K Copper Tube	90.68	11.20
		For Up To 20, Add	*10.92*	
		For >200, Deduct	*-7.39*	
		For Work In Restricted Working Space, Add	*5.04*	

22 11 16 00-0451 Copper And Brass Fittings *(22 11 16 00-0383)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0452 90 Degree Copper Elbows *(22 11 16 00-0451)*

22 11 16 00-0453	EA	1/4" Diameter, 90 Degree Copper Elbow	29.42	17.72
		For Silver Solder Instead Of 95/5 Solder, Add	*4.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Street Fitting, Add	*1.14*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0454	EA	3/8" Diameter, 90 Degree Copper Elbow	34.88	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*4.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Street Fitting, Add	*1.21*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0455	EA	1/2" Diameter, 90 Degree Copper Elbow	44.79	29.20
		For Silver Solder Instead Of 95/5 Solder, Add	*6.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.57*	
		For Street Fitting, Add	*0.39*	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0456	EA	3/4" Diameter, 90 Degree Copper Elbow	56.64	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*8.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Street Fitting, Add	*0.88*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0457	EA	1" Diameter, 90 Degree Copper Elbow	70.45	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*10.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Street Fitting, Add	*2.16*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0458	EA	1-1/4" Diameter, 90 Degree Copper Elbow	78.43	47.00
		For Silver Solder Instead Of 95/5 Solder, Add	*10.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.56*	
		For Street Fitting, Add	*3.22*	
		For Work In Restricted Working Space, Add	*21.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0459	EA	1-1/2" Diameter, 90 Degree Copper Elbow	89.61	51.38
		For Silver Solder Instead Of 95/5 Solder, Add	*12.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.55*	
		For Street Fitting, Add	*5.04*	
		For Work In Restricted Working Space, Add	*23.10*	
22 11 16 00-0460	EA	2" Diameter, 90 Degree Copper Elbow	109.28	57.62
		For Silver Solder Instead Of 95/5 Solder, Add	*14.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.95*	
		For Street Fitting, Add	*9.19*	
		For Work In Restricted Working Space, Add	*25.89*	
22 11 16 00-0461	EA	2-1/2" Diameter, 90 Degree Copper Elbow	141.89	58.68
		For Silver Solder Instead Of 95/5 Solder, Add	*15.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.20*	
		For Work In Restricted Working Space, Add	*26.41*	
22 11 16 00-0462	EA	3" Diameter, 90 Degree Copper Elbow	181.10	70.17
		For Silver Solder Instead Of 95/5 Solder, Add	*19.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.77*	
		For Work In Restricted Working Space, Add	*31.54*	
22 11 16 00-0463	EA	4" Diameter, 90 Degree Copper Elbow	333.46	99.51
		For Silver Solder Instead Of 95/5 Solder, Add	*31.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.37*	
		For Work In Restricted Working Space, Add	*44.74*	
22 11 16 00-0464	EA	5" Diameter, 90 Degree Copper Elbow	976.35	136.18
		For Silver Solder Instead Of 95/5 Solder, Add	*69.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-59.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.62*	
		For Work In Restricted Working Space, Add	*61.25*	
22 11 16 00-0465	EA	6" Diameter, 90 Degree Copper Elbow	1,326.45	198.17
		For Silver Solder Instead Of 95/5 Solder, Add	*96.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-81.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*44.56*	
		For Work In Restricted Working Space, Add	*89.12*	
22 11 16 00-0466	EA	8" Diameter, 90 Degree Copper Elbow	4,204.31	264.18
		For Silver Solder Instead Of 95/5 Solder, Add	*249.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-230.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*59.41*	
		For Work In Restricted Working Space, Add	*118.82*	
22 11 16 00-0467		**90 Degree Brass Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0468	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow	49.96	29.20
		For Silver Solder Instead Of 95/5 Solder, Add	*6.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.57*	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0469	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow	72.38	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*9.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0470	EA	1/2" Diameter, Flanged Sink 90 Degree Brass Elbow	55.03	29.20
		For Silver Solder Instead Of 95/5 Solder, Add	*7.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.57*	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0471	EA	3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	41.06	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0472	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	50.40	29.20
		For Silver Solder Instead Of 95/5 Solder, Add	*6.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.57*	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0473	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	66.04	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*8.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0474	EA	1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	102.08	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*11.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0475		**Reducing 90 Degree Copper Elbows** *(22 11 16 00-0451)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0476	EA	1/2" Diameter, Reducing 90 Degree Copper Elbow	51.76	29.20
		For Silver Solder Instead Of 95/5 Solder, Add	*6.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.57*	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0477	EA	3/4" Diameter, Reducing 90 Degree Copper Elbow	60.08	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*8.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0478	EA	1" Diameter, Reducing 90 Degree Copper Elbow	75.40	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*10.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0479	EA	1-1/4" Diameter, Reducing 90 Degree Copper Elbow	96.72	47.00
		For Silver Solder Instead Of 95/5 Solder, Add	*11.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.56*	
		For Work In Restricted Working Space, Add	*21.11*	
22 11 16 00-0480	EA	1-1/2" Diameter, Reducing 90 Degree Copper Elbow	111.64	51.38
		For Silver Solder Instead Of 95/5 Solder, Add	*13.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.55*	
		For Work In Restricted Working Space, Add	*23.10*	
22 11 16 00-0481	EA	2" Diameter, Reducing 90 Degree Copper Elbow	132.90	57.62
		For Silver Solder Instead Of 95/5 Solder, Add	*15.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.95*	
		For Work In Restricted Working Space, Add	*25.89*	
22 11 16 00-0482		**45 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0483	EA	1/4" Diameter, 45 Degree Copper Elbow	31.90	17.72
		For Silver Solder Instead Of 95/5 Solder, Add	*4.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Street Fitting, Add	*2.14*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0484	EA	3/8" Diameter, 45 Degree Copper Elbow	36.43	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Street Fitting, Add	*1.83*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0485	EA	1/2" Diameter, 45 Degree Copper Elbow	45.61	29.20
		For Silver Solder Instead Of 95/5 Solder, Add	*6.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.57*	
		For Street Fitting, Add	*0.72*	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0486	EA	3/4" Diameter, 45 Degree Copper Elbow	57.52	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*8.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Street Fitting, Add	*1.23*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0487	EA	1" Diameter, 45 Degree Copper Elbow	72.74	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*10.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Street Fitting, Add	*3.07*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0488	EA	1-1/4" Diameter, 45 Degree Copper Elbow	80.77	47.00
		For Silver Solder Instead Of 95/5 Solder, Add	*11.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.56*	
		For Street Fitting, Add	*4.16*	
		For Work In Restricted Working Space, Add	*21.11*	
22 11 16 00-0489	EA	1-1/2" Diameter, 45 Degree Copper Elbow	89.78	51.38
		For Silver Solder Instead Of 95/5 Solder, Add	*12.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.55*	
		For Street Fitting, Add	*5.11*	
		For Work In Restricted Working Space, Add	*23.10*	
22 11 16 00-0490	EA	2" Diameter, 45 Degree Copper Elbow	107.59	57.62
		For Silver Solder Instead Of 95/5 Solder, Add	*14.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.95*	
		For Work In Restricted Working Space, Add	*25.89*	
22 11 16 00-0491	EA	2-1/2" Diameter, 45 Degree Copper Elbow	141.24	58.68
		For Silver Solder Instead Of 95/5 Solder, Add	*15.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.20*	
		For Work In Restricted Working Space, Add	*26.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0492	EA	3" Diameter, 45 Degree Copper Elbow	184.09	70.17
		For Silver Solder Instead Of 95/5 Solder, Add	*19.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.77*	
		For Work In Restricted Working Space, Add	*31.54*	
22 11 16 00-0493	EA	4" Diameter, 45 Degree Copper Elbow	317.52	99.51
		For Silver Solder Instead Of 95/5 Solder, Add	*30.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.37*	
		For Work In Restricted Working Space, Add	*44.74*	
22 11 16 00-0494	EA	5" Diameter, 45 Degree Copper Elbow	856.25	136.18
		For Silver Solder Instead Of 95/5 Solder, Add	*63.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-53.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.62*	
		For Work In Restricted Working Space, Add	*61.25*	
22 11 16 00-0495	EA	6" Diameter, 45 Degree Copper Elbow	1,324.70	198.17
		For Silver Solder Instead Of 95/5 Solder, Add	*95.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-81.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*44.56*	
		For Work In Restricted Working Space, Add	*89.12*	
22 11 16 00-0496	EA	8" Diameter, 45 Degree Copper Elbow	3,887.94	264.18
		For Silver Solder Instead Of 95/5 Solder, Add	*234.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-214.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*59.41*	
		For Work In Restricted Working Space, Add	*118.82*	
22 11 16 00-0497		**Straight Copper And Brass Tees** *(22 11 16 00-0451)*		
22 11 16 00-0498	EA	1/4" Diameter, Straight Copper Tee	45.82	26.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.97*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0499	EA	3/8" Diameter, Straight Copper Tee	52.62	31.86
		For Silver Solder Instead Of 95/5 Solder, Add	*7.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.17*	
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0500	EA	1/2" Diameter, Straight Copper Tee	68.08	44.34
		For Silver Solder Instead Of 95/5 Solder, Add	*10.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0501	EA	3/4" Diameter, Straight Copper Tee	86.35	54.97
		For Silver Solder Instead Of 95/5 Solder, Add	*12.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.35*	
		For Work In Restricted Working Space, Add	*24.70*	
22 11 16 00-0502	EA	1" Diameter, Straight Copper Tee	110.36	65.59
		For Silver Solder Instead Of 95/5 Solder, Add	*15.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.74*	
		For Work In Restricted Working Space, Add	*29.48*	
22 11 16 00-0503	EA	1-1/4" Diameter, Straight Copper Tee	123.09	70.90
		For Silver Solder Instead Of 95/5 Solder, Add	*16.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.93*	
		For Work In Restricted Working Space, Add	*31.86*	
22 11 16 00-0504	EA	1-1/2" Diameter, Straight Copper Tee	141.04	77.01
		For Silver Solder Instead Of 95/5 Solder, Add	*18.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.33*	
		For Work In Restricted Working Space, Add	*34.65*	
22 11 16 00-0505	EA	2" Diameter, Straight Copper Tee	170.71	86.83
		For Silver Solder Instead Of 95/5 Solder, Add	*21.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.52*	
		For Work In Restricted Working Space, Add	*39.04*	
22 11 16 00-0506	EA	2-1/2" Diameter, Straight Copper Tee	228.04	88.02
		For Silver Solder Instead Of 95/5 Solder, Add	*24.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.80*	
		For Work In Restricted Working Space, Add	*39.61*	
22 11 16 00-0507	EA	3" Diameter, Straight Copper Tee	305.63	105.99
		For Silver Solder Instead Of 95/5 Solder, Add	*31.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.84*	
		For Work In Restricted Working Space, Add	*47.68*	
22 11 16 00-0508	EA	4" Diameter, Straight Copper Tee	577.53	148.41
		For Silver Solder Instead Of 95/5 Solder, Add	*51.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-40.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*33.37*	
		For Work In Restricted Working Space, Add	*66.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0509	EA	5" Diameter, Straight Copper Tee	1,465.03	203.06
		For Silver Solder Instead Of 95/5 Solder, Add	*103.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-88.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.66*	
		For Work In Restricted Working Space, Add	*91.32*	
22 11 16 00-0510	EA	6" Diameter, Straight Copper Tee	2,032.77	297.67
		For Silver Solder Instead Of 95/5 Solder, Add	*146.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-123.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*66.93*	
		For Work In Restricted Working Space, Add	*133.86*	
22 11 16 00-0511	EA	8" Diameter, Straight Copper Tee	6,714.25	396.32
		For Silver Solder Instead Of 95/5 Solder, Add	*395.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-365.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*89.12*	
		For Work In Restricted Working Space, Add	*178.24*	
22 11 16 00-0512	EA	1/2" Diameter, Cast Bronze Drop Ear Tee	76.76	44.34
		For Silver Solder Instead Of 95/5 Solder, Add	*10.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0513		**Reducing Copper Tees** *(22 11 16 00-0451)*		
22 11 16 00-0514	EA	3/8" Diameter, Reducing Copper Tee	52.01	28.28
		For Silver Solder Instead Of 95/5 Solder, Add	*6.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.37*	
		For Work In Restricted Working Space, Add	*12.74*	
22 11 16 00-0515	EA	1/2" Diameter, Reducing Copper Tee	68.13	39.83
		For Silver Solder Instead Of 95/5 Solder, Add	*9.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.93*	
22 11 16 00-0516	EA	3/4" Diameter, Reducing Copper Tee	81.28	51.38
		For Silver Solder Instead Of 95/5 Solder, Add	*11.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.55*	
		For Work In Restricted Working Space, Add	*23.10*	
22 11 16 00-0517	EA	1" Diameter, Reducing Copper Tee	106.52	62.00
		For Silver Solder Instead Of 95/5 Solder, Add	*14.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.94*	
		For Work In Restricted Working Space, Add	*27.88*	
22 11 16 00-0518	EA	1-1/4" Diameter, Reducing Copper Tee	121.51	67.31
		For Silver Solder Instead Of 95/5 Solder, Add	*16.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.14*	
		For Work In Restricted Working Space, Add	*30.27*	
22 11 16 00-0519	EA	1-1/2" Diameter, Reducing Copper Tee	139.33	73.55
		For Silver Solder Instead Of 95/5 Solder, Add	*17.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.53*	
		For Work In Restricted Working Space, Add	*33.06*	
22 11 16 00-0520	EA	2" Diameter, Reducing Copper Tee	165.59	82.32
		For Silver Solder Instead Of 95/5 Solder, Add	*20.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.52*	
		For Work In Restricted Working Space, Add	*37.04*	
22 11 16 00-0521	EA	2-1/2" Diameter, Reducing Copper Tee	232.32	84.84
		For Silver Solder Instead Of 95/5 Solder, Add	*24.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.07*	
		For Work In Restricted Working Space, Add	*38.14*	
22 11 16 00-0522	EA	3" Diameter, Reducing Copper Tee	319.44	97.80
		For Silver Solder Instead Of 95/5 Solder, Add	*30.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.01*	
		For Work In Restricted Working Space, Add	*44.01*	
22 11 16 00-0523	EA	4" Diameter, Reducing Copper Tee	544.57	120.66
		For Silver Solder Instead Of 95/5 Solder, Add	*45.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-36.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.14*	
		For Work In Restricted Working Space, Add	*54.28*	
22 11 16 00-0524		**Copper Couplings** *(22 11 16 00-0451)*		
22 11 16 00-0525	EA	1/4" Diameter, Copper Coupling	22.61	14.74
		For Silver Solder Instead Of 95/5 Solder, Add	*3.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.31*	
		For Work In Restricted Working Space, Add	*6.61*	
22 11 16 00-0526	EA	3/8" Diameter, Copper Coupling	27.21	17.66
		For Silver Solder Instead Of 95/5 Solder, Add	*4.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.97*	
		For Work In Restricted Working Space, Add	*7.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0527	EA	1/2" Diameter, Copper Coupling	37.00	24.16
		For Silver Solder Instead Of 95/5 Solder, Add	*5.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.46*	
		For Work In Restricted Working Space, Add	*10.91*	
22 11 16 00-0528	EA	3/4" Diameter, Copper Coupling	46.46	30.14
		For Silver Solder Instead Of 95/5 Solder, Add	*6.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.78*	
		For Work In Restricted Working Space, Add	*13.55*	
22 11 16 00-0529	EA	1" Diameter, Copper Coupling	56.52	35.99
		For Silver Solder Instead Of 95/5 Solder, Add	*8.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.10*	
		For Work In Restricted Working Space, Add	*16.20*	
22 11 16 00-0530	EA	1-1/4" Diameter, Copper Coupling	62.87	38.90
		For Silver Solder Instead Of 95/5 Solder, Add	*8.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.76*	
		For Work In Restricted Working Space, Add	*17.52*	
22 11 16 00-0531	EA	1-1/2" Diameter, Copper Coupling	69.82	42.61
		For Silver Solder Instead Of 95/5 Solder, Add	*9.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.59*	
		For Work In Restricted Working Space, Add	*19.17*	
22 11 16 00-0532	EA	2" Diameter, Copper Coupling	81.46	47.66
		For Silver Solder Instead Of 95/5 Solder, Add	*11.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.74*	
		For Work In Restricted Working Space, Add	*21.49*	
22 11 16 00-0533	EA	2-1/2" Diameter, Copper Coupling	96.52	48.17
		For Silver Solder Instead Of 95/5 Solder, Add	*12.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.71*	
22 11 16 00-0534	EA	3" Diameter, Copper Coupling	122.41	59.66
		For Silver Solder Instead Of 95/5 Solder, Add	*15.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.43*	
		For Work In Restricted Working Space, Add	*26.86*	
22 11 16 00-0535	EA	4" Diameter, Copper Coupling	199.31	84.47
		For Silver Solder Instead Of 95/5 Solder, Add	*22.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.03*	
		For Work In Restricted Working Space, Add	*38.07*	
22 11 16 00-0536	EA	5" Diameter, Copper Coupling	334.66	122.37
		For Silver Solder Instead Of 95/5 Solder, Add	*35.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.56*	
		For Work In Restricted Working Space, Add	*55.12*	
22 11 16 00-0537	EA	6" Diameter, Copper Coupling	516.78	178.12
		For Silver Solder Instead Of 95/5 Solder, Add	*52.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*40.10*	
		For Work In Restricted Working Space, Add	*80.21*	
22 11 16 00-0538	EA	8" Diameter, Copper Coupling	1,165.00	237.41
		For Silver Solder Instead Of 95/5 Solder, Add	*93.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-76.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*53.47*	
		For Work In Restricted Working Space, Add	*106.94*	
22 11 16 00-0539		**Reducing Copper Couplings** *(22 11 16 00-0451)*		
22 11 16 00-0540	EA	3/8" Diameter, Reducing Copper Coupling	25.49	16.20
		For Silver Solder Instead Of 95/5 Solder, Add	*3.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.64*	
		For Work In Restricted Working Space, Add	*7.27*	
22 11 16 00-0541	EA	1/2" Diameter, Reducing Copper Coupling	32.73	20.98
		For Silver Solder Instead Of 95/5 Solder, Add	*4.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.71*	
		For Work In Restricted Working Space, Add	*9.43*	
22 11 16 00-0542	EA	3/4" Diameter, Reducing Copper Coupling	43.03	27.22
		For Silver Solder Instead Of 95/5 Solder, Add	*6.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.12*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0543	EA	1" Diameter, Reducing Copper Coupling	53.67	33.06
		For Silver Solder Instead Of 95/5 Solder, Add	*7.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.44*	
		For Work In Restricted Working Space, Add	*14.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0544	EA	1-1/4" Diameter, Reducing Copper Coupling	61.90	37.44
		For Silver Solder Instead Of 95/5 Solder, Add	*8.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.43*	
		For Work In Restricted Working Space, Add	*16.86*	
22 11 16 00-0545	EA	1-1/2" Diameter, Reducing Copper Coupling	70.59	40.76
		For Silver Solder Instead Of 95/5 Solder, Add	*9.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.18*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0546	EA	2" Diameter, Reducing Copper Coupling	82.33	45.14
		For Silver Solder Instead Of 95/5 Solder, Add	*10.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.17*	
		For Work In Restricted Working Space, Add	*20.33*	
22 11 16 00-0547	EA	2-1/2" Diameter, Reducing Copper Coupling	105.01	46.08
		For Silver Solder Instead Of 95/5 Solder, Add	*12.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.38*	
		For Work In Restricted Working Space, Add	*20.75*	
22 11 16 00-0548	EA	3" Diameter, Reducing Copper Coupling	125.27	53.91
		For Silver Solder Instead Of 95/5 Solder, Add	*14.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.15*	
		For Work In Restricted Working Space, Add	*24.29*	
22 11 16 00-0549	EA	4" Diameter, Reducing Copper Coupling	196.17	72.12
		For Silver Solder Instead Of 95/5 Solder, Add	*20.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.23*	
		For Work In Restricted Working Space, Add	*32.47*	
22 11 16 00-0550	EA	5" Diameter, Reducing Copper Coupling	495.44	100.98
		For Silver Solder Instead Of 95/5 Solder, Add	*39.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-32.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.73*	
		For Work In Restricted Working Space, Add	*45.46*	
22 11 16 00-0551	EA	6" Diameter, Reducing Copper Coupling	725.91	128.72
		For Silver Solder Instead Of 95/5 Solder, Add	*55.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-45.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.00*	
		For Work In Restricted Working Space, Add	*58.00*	
22 11 16 00-0552	EA	8" Diameter, Reducing Copper Coupling	1,440.72	207.58
		For Silver Solder Instead Of 95/5 Solder, Add	*103.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-87.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*46.76*	
		For Work In Restricted Working Space, Add	*93.52*	
22 11 16 00-0553		**Male Copper Adapters** *(22 11 16 00-0451)*		
22 11 16 00-0554	EA	1/4" Diameter, Male Copper Adapter	36.66	17.26
		For Silver Solder Instead Of 95/5 Solder, Add	*4.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0555	EA	3/8" Diameter, Male Copper Adapter	36.90	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0556	EA	1/2" Diameter, Male Copper Adapter	41.87	26.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.97*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0557	EA	3/4" Diameter, Male Copper Adapter	52.58	33.19
		For Silver Solder Instead Of 95/5 Solder, Add	*7.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.37*	
		For Work In Restricted Working Space, Add	*14.74*	
22 11 16 00-0558	EA	1" Diameter, Male Copper Adapter	65.88	38.50
		For Silver Solder Instead Of 95/5 Solder, Add	*9.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.56*	
		For Work In Restricted Working Space, Add	*17.13*	
22 11 16 00-0559	EA	1-1/4" Diameter, Male Copper Adapter	79.18	43.81
		For Silver Solder Instead Of 95/5 Solder, Add	*10.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0560	EA	1-1/2" Diameter, Male Copper Adapter	90.65	50.45
		For Silver Solder Instead Of 95/5 Solder, Add	*12.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.35*	
		For Work In Restricted Working Space, Add	*22.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0561	EA	2" Diameter, Male Copper Adapter	122.26	64.39
		For Silver Solder Instead Of 95/5 Solder, Add	*15.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.54*	
		For Work In Restricted Working Space, Add	*29.08*	
22 11 16 00-0562	EA	2-1/2" Diameter, Male Copper Adapter	221.19	83.65
		For Silver Solder Instead Of 95/5 Solder, Add	*23.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.72*	
		For Work In Restricted Working Space, Add	*37.44*	
22 11 16 00-0563	EA	3" Diameter, Male Copper Adapter	293.84	111.55
		For Silver Solder Instead Of 95/5 Solder, Add	*31.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.94*	
		For Work In Restricted Working Space, Add	*49.88*	
22 11 16 00-0564	EA	4" Diameter, Male Copper Adapter	438.77	156.48
		For Silver Solder Instead Of 95/5 Solder, Add	*45.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*35.21*	
		For Work In Restricted Working Space, Add	*70.42*	

22 11 16 00-0565 Female Copper Adapters *(22 11 16 00-0451)*

22 11 16 00-0566	EA	1/4" Diameter, Female Copper Adapter	33.01	17.26
		For Silver Solder Instead Of 95/5 Solder, Add	*4.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.98*	
		For Work In Restricted Working Space, Add	*7.97*	
22 11 16 00-0567	EA	3/8" Diameter, Female Copper Adapter	38.61	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0568	EA	1/2" Diameter, Female Copper Adapter	43.10	26.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.97*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0569	EA	3/4" Diameter, Female Copper Adapter	53.58	33.19
		For Silver Solder Instead Of 95/5 Solder, Add	*7.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.37*	
		For Work In Restricted Working Space, Add	*14.74*	
22 11 16 00-0570	EA	1" Diameter, Female Copper Adapter	67.30	38.50
		For Silver Solder Instead Of 95/5 Solder, Add	*9.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.56*	
		For Work In Restricted Working Space, Add	*17.13*	
22 11 16 00-0571	EA	1-1/4" Diameter, Female Copper Adapter	81.36	43.81
		For Silver Solder Instead Of 95/5 Solder, Add	*10.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0572	EA	1-1/2" Diameter, Female Copper Adapter	99.12	50.45
		For Silver Solder Instead Of 95/5 Solder, Add	*12.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.35*	
		For Work In Restricted Working Space, Add	*22.70*	
22 11 16 00-0573	EA	2" Diameter, Female Copper Adapter	128.72	64.39
		For Silver Solder Instead Of 95/5 Solder, Add	*16.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.54*	
		For Work In Restricted Working Space, Add	*29.08*	
22 11 16 00-0574	EA	2-1/2" Diameter, Female Copper Adapter	250.90	77.01
		For Silver Solder Instead Of 95/5 Solder, Add	*24.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.24*	
		For Work In Restricted Working Space, Add	*34.47*	
22 11 16 00-0575	EA	3" Diameter, Female Copper Adapter	395.33	111.55
		For Silver Solder Instead Of 95/5 Solder, Add	*36.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.94*	
		For Work In Restricted Working Space, Add	*49.88*	

22 11 16 00-0576 Wrot Copper, Solder Union *(22 11 16 00-0451)*

22 11 16 00-0577	EA	1/4" Diameter, Wrot Copper, Solder Union	48.91	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0578	EA	3/8" Diameter, Wrot Copper, Solder Union	56.07	25.62
		For Silver Solder Instead Of 95/5 Solder, Add	*6.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.78*	
		For Work In Restricted Working Space, Add	*11.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0579	EA	1/2" Diameter, Wrot Copper, Solder Union	58.66	31.86
		For Silver Solder Instead Of 95/5 Solder, Add	*7.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.17*	
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0580	EA	3/4" Diameter, Wrot Copper, Solder Union	67.79	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*8.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0581	EA	1" Diameter, Wrot Copper, Solder Union	88.01	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*10.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0582	EA	1-1/4" Diameter, Wrot Copper, Solder Union	104.93	47.80
		For Silver Solder Instead Of 95/5 Solder, Add	*12.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.76*	
		For Work In Restricted Working Space, Add	*21.51*	
22 11 16 00-0583	EA	1-1/2" Diameter, Wrot Copper, Solder Union	126.51	53.11
		For Silver Solder Instead Of 95/5 Solder, Add	*14.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.95*	
		For Work In Restricted Working Space, Add	*23.90*	
22 11 16 00-0584	EA	2" Diameter, Wrot Copper, Solder Union	175.45	63.73
		For Silver Solder Instead Of 95/5 Solder, Add	*18.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.34*	
		For Work In Restricted Working Space, Add	*28.68*	
22 11 16 00-0585	EA	2-1/2" Diameter, Wrot Copper, Solder Union	322.90	70.17
		For Silver Solder Instead Of 95/5 Solder, Add	*26.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.77*	
		For Work In Restricted Working Space, Add	*31.54*	
22 11 16 00-0586	EA	3" Diameter, Wrot Copper, Solder Union	712.67	99.51
		For Silver Solder Instead Of 95/5 Solder, Add	*50.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.37*	
		For Work In Restricted Working Space, Add	*44.74*	

22 11 16 00-0587 Cast Bronze, Solder Union *(22 11 16 00-0451)*

22 11 16 00-0588	EA	1/4" Diameter, Cast Bronze, Solder Union	55.19	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0589	EA	3/8" Diameter, Cast Bronze, Solder Union	62.00	25.62
		For Silver Solder Instead Of 95/5 Solder, Add	*6.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.78*	
		For Work In Restricted Working Space, Add	*11.55*	
22 11 16 00-0590	EA	1/2" Diameter, Cast Bronze, Solder Union	60.31	31.86
		For Silver Solder Instead Of 95/5 Solder, Add	*7.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.17*	
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0591	EA	3/4" Diameter, Cast Bronze, Solder Union	70.13	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*8.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0592	EA	1" Diameter, Cast Bronze, Solder Union	92.06	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*11.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0593	EA	1-1/4" Diameter, Cast Bronze, Solder Union	116.00	47.80
		For Silver Solder Instead Of 95/5 Solder, Add	*12.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.76*	
		For Work In Restricted Working Space, Add	*21.51*	
22 11 16 00-0594	EA	1-1/2" Diameter, Cast Bronze, Solder Union	138.07	53.11
		For Silver Solder Instead Of 95/5 Solder, Add	*14.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.95*	
		For Work In Restricted Working Space, Add	*23.90*	
22 11 16 00-0595	EA	2" Diameter, Cast Bronze, Solder Union	195.12	63.73
		For Silver Solder Instead Of 95/5 Solder, Add	*19.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.34*	
		For Work In Restricted Working Space, Add	*28.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0596	EA	2-1/2" Diameter, Cast Bronze, Solder Union	322.89	70.17
		For Silver Solder Instead Of 95/5 Solder, Add	*26.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.77*	
		For Work In Restricted Working Space, Add	*31.54*	
22 11 16 00-0597	EA	3" Diameter, Cast Bronze, Solder Union	712.67	99.51
		For Silver Solder Instead Of 95/5 Solder, Add	*50.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.37*	
		For Work In Restricted Working Space, Add	*44.74*	

22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0451)*

22 11 16 00-0599	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	63.69	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*6.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0600	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union	71.43	25.62
		For Silver Solder Instead Of 95/5 Solder, Add	*7.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.78*	
		For Work In Restricted Working Space, Add	*11.55*	
22 11 16 00-0601	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	73.95	31.86
		For Silver Solder Instead Of 95/5 Solder, Add	*8.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.17*	
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0602	EA	3/4" Diameter, Cast Bronze, Solder X Female Threaded Union	90.09	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*9.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0603	EA	1" Diameter, Cast Bronze, Solder X Female Threaded Union	139.21	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*13.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0604	EA	1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	209.89	47.80
		For Silver Solder Instead Of 95/5 Solder, Add	*17.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.76*	
		For Work In Restricted Working Space, Add	*21.51*	
22 11 16 00-0605	EA	1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	254.74	53.11
		For Silver Solder Instead Of 95/5 Solder, Add	*20.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.95*	
		For Work In Restricted Working Space, Add	*23.90*	
22 11 16 00-0606	EA	2" Diameter, Cast Bronze, Solder X Female Threaded Union	391.94	63.73
		For Silver Solder Instead Of 95/5 Solder, Add	*29.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.34*	
		For Work In Restricted Working Space, Add	*28.68*	
22 11 16 00-0607	EA	2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	666.91	70.17
		For Silver Solder Instead Of 95/5 Solder, Add	*43.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.77*	
		For Work In Restricted Working Space, Add	*31.54*	

22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0451)*

22 11 16 00-0609	EA	1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	56.10	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0610	EA	3/8" Diameter, Cast Bronze, Solder X Male Threaded Union	66.79	25.62
		For Silver Solder Instead Of 95/5 Solder, Add	*7.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.78*	
		For Work In Restricted Working Space, Add	*11.55*	
22 11 16 00-0611	EA	1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	68.44	31.86
		For Silver Solder Instead Of 95/5 Solder, Add	*8.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.17*	
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0612	EA	3/4" Diameter, Cast Bronze, Solder X Male Threaded Union	85.42	36.38
		For Silver Solder Instead Of 95/5 Solder, Add	*9.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.17*	
		For Work In Restricted Working Space, Add	*16.33*	
22 11 16 00-0613	EA	1" Diameter, Cast Bronze, Solder X Male Threaded Union	141.35	43.42
		For Silver Solder Instead Of 95/5 Solder, Add	*13.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Work In Restricted Working Space, Add	*19.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0614	EA	1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	166.33	47.80
		For Silver Solder Instead Of 95/5 Solder, Add	*15.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.76*	
		For Work In Restricted Working Space, Add	*21.51*	
22 11 16 00-0615	EA	1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	179.07	53.11
		For Silver Solder Instead Of 95/5 Solder, Add	*16.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.95*	
		For Work In Restricted Working Space, Add	*23.90*	
22 11 16 00-0616	EA	2" Diameter, Cast Bronze, Solder X Male Threaded Union	248.27	63.73
		For Silver Solder Instead Of 95/5 Solder, Add	*21.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.34*	
		For Work In Restricted Working Space, Add	*28.68*	
22 11 16 00-0617	EA	2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	552.57	70.17
		For Silver Solder Instead Of 95/5 Solder, Add	*38.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-32.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.77*	
		For Work In Restricted Working Space, Add	*31.54*	
22 11 16 00-0618		**Copper Caps** *(22 11 16 00-0451)*		
22 11 16 00-0619	EA	1/4" Diameter, Copper Cap	9.63	5.84
		For Silver Solder Instead Of 95/5 Solder, Add	*1.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.31*	
		For Work In Restricted Working Space, Add	*2.63*	
22 11 16 00-0620	EA	3/8" Diameter, Copper Cap	11.90	6.90
		For Silver Solder Instead Of 95/5 Solder, Add	*1.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.58*	
		For Work In Restricted Working Space, Add	*3.15*	
22 11 16 00-0621	EA	1/2" Diameter, Copper Cap	15.17	9.56
		For Silver Solder Instead Of 95/5 Solder, Add	*2.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.17*	
		For Work In Restricted Working Space, Add	*4.34*	
22 11 16 00-0622	EA	3/4" Diameter, Copper Cap	19.30	11.82
		For Silver Solder Instead Of 95/5 Solder, Add	*2.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.70*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0623	EA	1" Diameter, Copper Cap	24.60	14.20
		For Silver Solder Instead Of 95/5 Solder, Add	*3.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.22*	
		For Work In Restricted Working Space, Add	*6.44*	
22 11 16 00-0624	EA	1-1/4" Diameter, Copper Cap	27.41	15.27
		For Silver Solder Instead Of 95/5 Solder, Add	*3.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.48*	
		For Work In Restricted Working Space, Add	*6.97*	
22 11 16 00-0625	EA	1-1/2" Diameter, Copper Cap	31.51	16.73
		For Silver Solder Instead Of 95/5 Solder, Add	*4.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.81*	
		For Work In Restricted Working Space, Add	*7.62*	
22 11 16 00-0626	EA	2" Diameter, Copper Cap	37.49	17.36
		For Silver Solder Instead Of 95/5 Solder, Add	*4.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.93*	
		For Work In Restricted Working Space, Add	*7.87*	
22 11 16 00-0627	EA	2-1/2" Diameter, Copper Cap	71.17	20.29
		For Silver Solder Instead Of 95/5 Solder, Add	*6.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.62*	
		For Work In Restricted Working Space, Add	*9.24*	
22 11 16 00-0628	EA	3" Diameter, Copper Cap	97.23	26.04
		For Silver Solder Instead Of 95/5 Solder, Add	*8.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.91*	
		For Work In Restricted Working Space, Add	*11.83*	
22 11 16 00-0629	EA	4" Diameter, Copper Cap	168.76	39.36
		For Silver Solder Instead Of 95/5 Solder, Add	*14.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.95*	
		For Work In Restricted Working Space, Add	*17.90*	
22 11 16 00-0630	EA	5" Diameter, Cast Bronze Cap	858.79	60.64
		For Silver Solder Instead Of 95/5 Solder, Add	*52.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-47.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.78*	
		For Work In Restricted Working Space, Add	*27.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0631	EA	6" Diameter, Cast Bronze Cap	1,661.65	88.26
		For Silver Solder Instead Of 95/5 Solder, Add	*96.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-89.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.05*	
		For Work In Restricted Working Space, Add	*40.10*	
22 11 16 00-0632	EA	8" Diameter, Cast Bronze Cap	2,117.48	117.60
		For Silver Solder Instead Of 95/5 Solder, Add	*123.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-114.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.74*	
		For Work In Restricted Working Space, Add	*53.47*	
22 11 16 00-0633		**Copper Crosses** *(22 11 16 00-0451)*		
22 11 16 00-0634	EA	1/2" Diameter, Copper Cross	91.92	53.79
		For Silver Solder Instead Of 95/5 Solder, Add	*12.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.10*	
		For Work In Restricted Working Space, Add	*24.21*	
22 11 16 00-0635	EA	3/4" Diameter, Copper Cross	122.07	66.87
		For Silver Solder Instead Of 95/5 Solder, Add	*16.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.04*	
		For Work In Restricted Working Space, Add	*30.07*	
22 11 16 00-0636	EA	1" Diameter, Copper Cross	156.89	79.83
		For Silver Solder Instead Of 95/5 Solder, Add	*19.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.97*	
		For Work In Restricted Working Space, Add	*35.94*	
22 11 16 00-0637	EA	1-1/4" Diameter, Copper Cross	182.87	86.43
		For Silver Solder Instead Of 95/5 Solder, Add	*22.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.44*	
		For Work In Restricted Working Space, Add	*38.87*	
22 11 16 00-0638	EA	1-1/2" Diameter, Copper Cross	217.76	94.49
		For Silver Solder Instead Of 95/5 Solder, Add	*25.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.27*	
		For Work In Restricted Working Space, Add	*42.54*	
22 11 16 00-0639	EA	2" Diameter, Copper Cross	302.42	105.99
		For Silver Solder Instead Of 95/5 Solder, Add	*31.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.84*	
		For Work In Restricted Working Space, Add	*47.68*	
22 11 16 00-0640	EA	2-1/2" Diameter, Copper Cross	506.79	117.36
		For Silver Solder Instead Of 95/5 Solder, Add	*42.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.41*	
		For Work In Restricted Working Space, Add	*52.81*	
22 11 16 00-0641		**Cast Bronze Crosses** *(22 11 16 00-0451)*		
22 11 16 00-0642	EA	3/8" Diameter, Cast Bronze Cross	73.65	39.12
		For Silver Solder Instead Of 95/5 Solder, Add	*9.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.80*	
		For Work In Restricted Working Space, Add	*17.60*	
22 11 16 00-0643	EA	1/2" Diameter, Cast Bronze Cross	94.16	53.79
		For Silver Solder Instead Of 95/5 Solder, Add	*12.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.10*	
		For Work In Restricted Working Space, Add	*24.21*	
22 11 16 00-0644	EA	3/4" Diameter, Cast Bronze Cross	126.43	66.87
		For Silver Solder Instead Of 95/5 Solder, Add	*16.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.04*	
		For Work In Restricted Working Space, Add	*30.07*	
22 11 16 00-0645	EA	1" Diameter, Cast Bronze Cross	164.29	79.83
		For Silver Solder Instead Of 95/5 Solder, Add	*20.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.97*	
		For Work In Restricted Working Space, Add	*35.94*	
22 11 16 00-0646	EA	1-1/4" Diameter, Cast Bronze Cross	193.52	86.43
		For Silver Solder Instead Of 95/5 Solder, Add	*22.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.44*	
		For Work In Restricted Working Space, Add	*38.87*	
22 11 16 00-0647	EA	1-1/2" Diameter, Cast Bronze Cross	232.95	94.49
		For Silver Solder Instead Of 95/5 Solder, Add	*25.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.27*	
		For Work In Restricted Working Space, Add	*42.54*	
22 11 16 00-0648	EA	2" Diameter, Cast Bronze Cross	364.80	105.99
		For Silver Solder Instead Of 95/5 Solder, Add	*34.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.84*	
		For Work In Restricted Working Space, Add	*47.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0649	EA	2-1/2" Diameter, Cast Bronze Cross	572.94	117.36
		For Silver Solder Instead Of 95/5 Solder, Add	*46.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.41*	
		For Work In Restricted Working Space, Add	*52.81*	

22 11 16 00-0650 Flexible Corrugated Copper Supply Line *(22 11 16 00-0451)*

22 11 16 00-0651	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	94.85	36.38
22 11 16 00-0652	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	99.72	36.38
22 11 16 00-0653	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	86.10	36.38
22 11 16 00-0654	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	91.61	36.38
22 11 16 00-0655	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	96.47	36.38
22 11 16 00-0656	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	99.72	36.38

22 11 16 00-0657 Crimped Copper Fittings *(22 11 16 00-0383)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0658 Crimped Copper 90 Degree Elbows *(22 11 16 00-0657)*

22 11 16 00-0659	EA	1/2" Diameter, Crimped Copper 90 Degree Elbow	26.91	15.94
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0660	EA	3/4" Diameter, Crimped Copper 90 Degree Elbow	32.33	18.19
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-0661	EA	1" Diameter, Crimped Copper 90 Degree Elbow	42.76	21.64
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0662	EA	1-1/4" Diameter, Crimped Copper 90 Degree Elbow	56.51	23.90
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0663	EA	1-1/2" Diameter, Crimped Copper 90 Degree Elbow	78.96	26.56
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0664	EA	2" Diameter, Crimped Copper 90 Degree Elbow	102.19	31.86
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0665	EA	2-1/2" Diameter, Crimped Copper 90 Degree Elbow	213.74	37.17
		For Work In Restricted Working Space, Add	*16.73*	
22 11 16 00-0666	EA	3" Diameter, Crimped Copper 90 Degree Elbow	265.14	44.21
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0667	EA	4" Diameter, Crimped Copper 90 Degree Elbow	333.52	58.42
		For Work In Restricted Working Space, Add	*26.29*	

22 11 16 00-0668 Crimped Copper 45 Degree Elbows *(22 11 16 00-0657)*

22 11 16 00-0669	EA	1/2" Crimped Copper 45 Degree Elbow	27.41	15.94
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0670	EA	3/4" Crimped Copper 45 Degree Elbow	31.53	18.19
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-0671	EA	1" Crimped Copper 45 Degree Elbow	46.37	21.64
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0672	EA	1-1/4" Crimped Copper 45 Degree Elbow	55.71	23.90
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0673	EA	1-1/2" Crimped Copper 45 Degree Elbow	72.04	26.56
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0674	EA	2" Crimped Copper 45 Degree Elbow	92.86	31.86
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0675	EA	2-1/2" Crimped Copper 45 Degree Elbow	160.12	37.17
		For Work In Restricted Working Space, Add	*16.73*	
22 11 16 00-0676	EA	3" Crimped Copper 45 Degree Elbow	215.48	44.21
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0677	EA	4" Crimped Copper 45 Degree Elbow	294.68	58.42
		For Work In Restricted Working Space, Add	*26.29*	

22 11 16 00-0678 Crimped Copper Straight Tees *(22 11 16 00-0657)*

22 11 16 00-0679	EA	1/2" Diameter, Crimped Copper Straight Tee	40.45	23.90
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0680	EA	3/4" Diameter, Crimped Copper Straight Tee	55.26	31.47
		For Work In Restricted Working Space, Add	*14.14*	
22 11 16 00-0681	EA	1" Diameter, Crimped Copper Straight Tee	67.09	34.92
		For Work In Restricted Working Space, Add	*15.73*	
22 11 16 00-0682	EA	1-1/4" Diameter, Crimped Copper Straight Tee	78.55	35.84
		For Work In Restricted Working Space, Add	*16.13*	
22 11 16 00-0683	EA	1-1/2" Diameter, Crimped Copper Straight Tee	109.23	40.76
		For Work In Restricted Working Space, Add	*18.32*	
22 11 16 00-0684	EA	2" Diameter, Crimped Copper Straight Tee	131.20	47.80
		For Work In Restricted Working Space, Add	*21.51*	
22 11 16 00-0685	EA	2-1/2" Diameter, Crimped Copper Straight Tee	278.83	55.76
		For Work In Restricted Working Space, Add	*25.10*	
22 11 16 00-0686	EA	3" Diameter, Crimped Copper Straight Tee	343.55	66.39
		For Work In Restricted Working Space, Add	*29.87*	
22 11 16 00-0687	EA	4" Diameter, Crimped Copper Straight Tee	473.78	87.62
		For Work In Restricted Working Space, Add	*39.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0688		**Crimped Copper Reducing Tees** *(22 11 16 00-0657)*		
22 11 16 00-0689	EA	3/4" Diameter, Crimped Copper Reducing Tee	46.66	22.71
		For Work In Restricted Working Space, Add	*10.24*	
22 11 16 00-0690	EA	1" Diameter, Crimped Copper Reducing Tee	67.03	29.87
		For Work In Restricted Working Space, Add	*13.43*	
22 11 16 00-0691	EA	1-1/4" Diameter, Crimped Copper Reducing Tee	72.46	33.19
		For Work In Restricted Working Space, Add	*14.94*	
22 11 16 00-0692	EA	1-1/2" Diameter, Crimped Copper Reducing Tee	93.87	34.12
		For Work In Restricted Working Space, Add	*15.34*	
22 11 16 00-0693	EA	2" Diameter, Crimped Copper Reducing Tee	112.11	38.64
		For Work In Restricted Working Space, Add	*17.41*	
22 11 16 00-0694	EA	2-1/2" Diameter, Crimped Copper Reducing Tee	295.67	43.81
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0695	EA	3" Diameter, Crimped Copper Reducing Tee	360.35	53.11
		For Work In Restricted Working Space, Add	*23.90*	
22 11 16 00-0696	EA	4" Diameter, Crimped Copper Reducing Tee	425.55	70.76
		For Work In Restricted Working Space, Add	*31.86*	
22 11 16 00-0697		**Crimped Copper Couplings** *(22 11 16 00-0657)*		
22 11 16 00-0698	EA	1/2" Diameter, Crimped Copper Coupling	26.61	15.94
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0699	EA	3/4" Diameter, Crimped Copper Coupling	31.34	18.19
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-0700	EA	1" Diameter, Crimped Copper Coupling	40.84	21.64
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0701	EA	1-1/4" Diameter, Crimped Copper Coupling	46.18	23.90
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0702	EA	1-1/2" Diameter, Crimped Copper Coupling	59.09	26.56
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0703	EA	2" Diameter, Crimped Copper Coupling	72.39	31.86
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0704	EA	2-1/2" Diameter, Crimped Copper Coupling	134.44	37.17
		For Work In Restricted Working Space, Add	*16.73*	
22 11 16 00-0705	EA	3" Diameter, Crimped Copper Coupling	166.59	44.21
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0706	EA	4" Diameter, Crimped Copper Coupling	226.76	58.42
		For Work In Restricted Working Space, Add	*26.29*	
22 11 16 00-0707		**Crimped Copper Reducing Couplings** *(22 11 16 00-0657)*		
22 11 16 00-0708	EA	3/4" Diameter, Crimped Copper Reducing Coupling	35.06	15.14
		For Work In Restricted Working Space, Add	*6.81*	
22 11 16 00-0709	EA	1" Diameter, Crimped Copper Reducing Coupling	40.04	17.26
		For Work In Restricted Working Space, Add	*7.77*	
22 11 16 00-0710	EA	1-1/4" Diameter, Crimped Copper Reducing Coupling	51.51	20.58
		For Work In Restricted Working Space, Add	*9.28*	
22 11 16 00-0711	EA	1-1/2" Diameter, Crimped Copper Reducing Coupling	64.42	22.71
		For Work In Restricted Working Space, Add	*10.24*	
22 11 16 00-0712	EA	2" Diameter, Crimped Copper Reducing Coupling	71.95	25.23
		For Work In Restricted Working Space, Add	*11.35*	
22 11 16 00-0713	EA	2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling	138.09	30.14
		For Work In Restricted Working Space, Add	*13.54*	
22 11 16 00-0714	EA	3" Diameter, Crimped Copper FTG x C Reducing Coupling	171.66	35.45
		For Work In Restricted Working Space, Add	*15.93*	
22 11 16 00-0715	EA	4" Diameter, Crimped Copper FTG x C Reducing Coupling	223.32	46.87
		For Work In Restricted Working Space, Add	*21.11*	
22 11 16 00-0716		**Crimped Copper Male Adapters** *(22 11 16 00-0657)*		
22 11 16 00-0717	EA	1/2" Diameter, Crimped Copper Male Adapter	27.22	15.94
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0718	EA	3/4" Diameter, Crimped Copper Male Adapter	33.24	18.19
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-0719	EA	1" Diameter, Crimped Copper Male Adapter	43.55	21.64
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0720	EA	1-1/4" Diameter, Crimped Copper Male Adapter	60.02	23.90
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0721	EA	1-1/2" Diameter, Crimped Copper Male Adapter	73.75	26.56
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0722	EA	2" Diameter, Crimped Copper Male Adapter	113.12	31.86
		For Work In Restricted Working Space, Add	*14.34*	
22 11 16 00-0723	EA	2-1/2" Diameter, Crimped Copper Male Adapter	213.74	37.17
		For Work In Restricted Working Space, Add	*16.73*	
22 11 16 00-0724	EA	3" Diameter, Crimped Copper Male Adapter	265.14	44.21
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0725	EA	4" Diameter, Crimped Copper Male Adapter	317.68	58.42
		For Work In Restricted Working Space, Add	*26.29*	
22 11 16 00-0726		**Crimped Copper Female Adapters** *(22 11 16 00-0657)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0727	EA	1/2" Diameter, Crimped Copper Female Adapter	27.91	15.94
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0728	EA	3/4" Diameter, Crimped Copper Female Adapter	33.75	18.19
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-0729	EA	1" Diameter, Crimped Copper Female Adapter	44.56	21.64
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0730	EA	1-1/4" Diameter, Crimped Copper Female Adapter	63.03	23.90
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0731	EA	1-1/2" Diameter, Crimped Copper Female Adapter	79.37	26.56
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0732	EA	2" Diameter, Crimped Copper Female Adapter	114.93	31.86
		For Work In Restricted Working Space, Add	*14.34*	

22 11 16 00-0733 Crimped Copper Caps *(22 11 16 00-0657)*

22 11 16 00-0734	EA	1/2" Diameter, Crimped Copper Cap	17.77	7.97
		For Work In Restricted Working Space, Add	*3.59*	
22 11 16 00-0735	EA	3/4" Diameter, Crimped Copper Cap	23.77	9.30
		For Work In Restricted Working Space, Add	*4.18*	
22 11 16 00-0736	EA	1" Diameter, Crimped Copper Cap	31.09	10.62
		For Work In Restricted Working Space, Add	*4.78*	
22 11 16 00-0737	EA	1-1/4" Diameter, Crimped Copper Cap	35.09	11.95
		For Work In Restricted Working Space, Add	*5.38*	
22 11 16 00-0738	EA	1-1/2" Diameter, Crimped Copper Cap	47.17	13.67
		For Work In Restricted Working Space, Add	*6.17*	
22 11 16 00-0739	EA	2" Diameter, Crimped Copper Cap	56.20	15.94
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0740	EA	2-1/2" Diameter, Crimped Copper Cap	131.19	18.59
		For Work In Restricted Working Space, Add	*8.37*	
22 11 16 00-0741	EA	3" Diameter, Crimped Copper Cap	163.92	22.17
		For Work In Restricted Working Space, Add	*9.96*	
22 11 16 00-0742	EA	4" Diameter, Crimped Copper Cap	218.02	29.20
		For Work In Restricted Working Space, Add	*13.14*	

22 11 16 00-0743 C x F NPT Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0744	EA	1/2" Diameter, C x F NPT Crimped Bronze Union	49.58	21.64
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0745	EA	3/4" Diameter, C x F NPT Crimped Bronze Union	61.83	26.69
		For Work In Restricted Working Space, Add	*11.99*	
22 11 16 00-0746	EA	1" Diameter, C x F NPT Crimped Bronze Union	84.26	32.00
		For Work In Restricted Working Space, Add	*14.38*	
22 11 16 00-0747	EA	1-1/4" Diameter, C x F NPT Crimped Bronze Union	101.46	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 11 16 00-0748	EA	1-1/2" Diameter, C x F NPT Crimped Bronze Union	126.42	36.12
		For Work In Restricted Working Space, Add	*16.25*	
22 11 16 00-0749	EA	2" Diameter, C x F NPT Crimped Bronze Union	174.06	52.31
		For Work In Restricted Working Space, Add	*23.50*	

22 11 16 00-0750 C x C Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0751	EA	1/2" Diameter, C x C Bronze Crimped Union	45.17	15.94
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0752	EA	3/4" Diameter, C x C Bronze Crimped Union	55.11	18.19
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-0753	EA	1" Diameter, C x C Bronze Crimped Union	77.07	21.64
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0754	EA	1-1/4" Diameter, C x C Bronze Crimped Union	99.45	23.90
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0755	EA	1-1/2" Diameter, C x C Bronze Crimped Union	126.22	26.56
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0756	EA	2" Diameter, C x C Bronze Crimped Union	188.88	31.86
		For Work In Restricted Working Space, Add	*14.34*	

22 11 16 00-0757 C x Flange Crimped Bronze Flange *(22 11 16 00-0657)*

22 11 16 00-0758	EA	2-1/2" Diameter, C x Flange Crimped Bronze Flange	357.83	37.17
		For Work In Restricted Working Space, Add	*16.73*	
22 11 16 00-0759	EA	3" Diameter, C x Flange Crimped Bronze Flange	391.52	44.21
		For Work In Restricted Working Space, Add	*19.92*	
22 11 16 00-0760	EA	4" Diameter, C x Flange Crimped Bronze Flange	451.59	58.42
		For Work In Restricted Working Space, Add	*26.29*	

22 11 16 00-0761 Field Installed FKM Seals *(22 11 16 00-0657)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0762	EA	1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.68	
		For Work In Restricted Working Space, Add	*1.79*	
22 11 16 00-0763	EA	3/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.58	
		For Work In Restricted Working Space, Add	*2.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0764	EA	1" Diameter, Field Installed FKM Seal	10.98	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*2.39*	
22 11 16 00-0765	EA	1-1/4" Diameter, Field Installed FKM Seal	12.58	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*2.69*	
22 11 16 00-0766	EA	1-1/2" Diameter, Field Installed FKM Seal	17.12	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*3.09*	
22 11 16 00-0767	EA	2" Diameter, Field Installed FKM Seal	19.17	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*3.59*	
22 11 16 00-0768	EA	2-1/2" Diameter, Field Installed FKM Seal	27.69	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*4.18*	
22 11 16 00-0769	EA	3" Diameter, Field Installed FKM Seal	31.95	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*4.98*	
22 11 16 00-0770	EA	4" Diameter, Field Installed FKM Seal	43.38	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*6.57*	

22 11 16 00-0771 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0383)*

22 11 16 00-0772	EA	Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	13.28	
22 11 16 00-0773	EA	3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	14.34	
22 11 16 00-0774	EA	1" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.14	
22 11 16 00-0775	EA	1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.93	
22 11 16 00-0776	EA	1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	17.93	
22 11 16 00-0777	EA	2" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.72	
22 11 16 00-0778	EA	2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	21.25	
22 11 16 00-0779	EA	3" Diameter, Cut And Prepare Existing In Place Copper Pipe	25.09	
22 11 16 00-0780	EA	4" Diameter, Cut And Prepare Existing In Place Copper Pipe	33.85	
22 11 16 00-0781	EA	6" Diameter, Cut And Prepare Existing In Place Copper Pipe	48.39	
22 11 16 00-0782	EA	8" Diameter, Cut And Prepare Existing In Place Copper Pipe	64.53	

22 11 16 00-0783 Sweat Brass Companion Flanges *(22 11 16 00-0383)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0784	EA	1" Diameter, Sweat Brass Companion Flange	61.55	20.41
22 11 16 00-0785	EA	1-1/4" Diameter, Sweat Brass Companion Flange	67.26	22.49
22 11 16 00-0786	EA	1-1/2" Diameter, Sweat Brass Companion Flange	92.76	24.45
22 11 16 00-0787	EA	2" Diameter, Sweat Brass Companion Flange	121.63	27.14
22 11 16 00-0788	EA	2-1/2" Diameter, Sweat Brass Companion Flange	173.37	32.64
22 11 16 00-0789	EA	3" Diameter, Sweat Brass Companion Flange	193.00	42.78
22 11 16 00-0790	EA	4" Diameter, Sweat Brass Companion Flange	256.16	50.98
22 11 16 00-0791	EA	5" Diameter, Sweat Brass Companion Flange	479.10	59.54
22 11 16 00-0792	EA	6" Diameter, Sweat Brass Companion Flange	559.14	86.49
22 11 16 00-0793	EA	8" Diameter, Copper Companion Flange	1,260.40	123.38

22 11 16 00-0794 Brass Compression Fittings *(22 11 16 00-0383)*

22 11 16 00-0795 Brass Compression Unions *(22 11 16 00-0794)*

22 11 16 00-0796	EA	1/4" Diameter, Brass Compression Union	22.59	14.34
22 11 16 00-0797	EA	3/8" Diameter, Brass Compression Union	22.89	14.34
22 11 16 00-0798	EA	1/2" Diameter, Brass Compression Union	23.80	14.34
22 11 16 00-0799	EA	5/8" Diameter, Brass Compression Union	24.23	14.34
22 11 16 00-0800	EA	3/4" Diameter, Brass Compression Union	33.39	14.34
22 11 16 00-0801	EA	3/8" x 1/4" Diameter, Brass Compression Union	23.10	14.34
22 11 16 00-0802	EA	1/2" x 3/8" Diameter, Brass Compression Union	23.87	14.34
22 11 16 00-0803	EA	5/8" x 3/8" Diameter, Brass Compression Union	24.41	14.34
22 11 16 00-0804	EA	5/8" x 1/2" Diameter, Brass Compression Union	25.27	14.34

22 11 16 00-0805 Brass Compression Union Elbows *(22 11 16 00-0794)*

22 11 16 00-0806	EA	1/4" Diameter, Brass Compression Union Elbow	23.80	14.34
22 11 16 00-0807	EA	3/8" Diameter, Brass Compression Union Elbow	24.29	14.34
22 11 16 00-0808	EA	1/2" Diameter, Brass Compression Union Elbow	25.37	14.34
22 11 16 00-0809	EA	5/8" Diameter, Brass Compression Union Elbow	27.04	14.34
22 11 16 00-0810	EA	3/4" Diameter, Brass Compression Union Elbow	33.57	14.34
22 11 16 00-0811	EA	3/8" x 1/4" Diameter, Brass Compression Union Elbow	24.29	14.34
22 11 16 00-0812	EA	1/2" x 3/8" Diameter, Brass Compression Union Elbow	25.37	14.34
22 11 16 00-0813	EA	5/8" x 3/8" Diameter, Brass Compression Union Elbow	25.67	14.34
22 11 16 00-0814	EA	5/8" x 1/2" Diameter, Brass Compression Union Elbow	30.57	14.34

22 11 16 00-0815 Brass Compression Union Tees *(22 11 16 00-0794)*

22 11 16 00-0816	EA	1/4" Diameter, Brass Compression Union Tee	24.17	14.34
22 11 16 00-0817	EA	3/8" Diameter, Brass Compression Union Tee	25.19	14.34
22 11 16 00-0818	EA	1/2" Diameter, Brass Compression Union Tee	26.27	14.34
22 11 16 00-0819	EA	5/8" Diameter, Brass Compression Union Tee	29.68	14.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0820	EA	3/4" Diameter, Brass Compression Union Tee	41.46	14.34
22 11 16 00-0821	EA	3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	25.91	14.34
22 11 16 00-0822	EA	1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	31.44	14.34
22 11 16 00-0823	EA	5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	30.91	14.34
22 11 16 00-0824	EA	5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	31.53	14.34
22 11 16 00-0825		**Brass Compression Male Connectors** *(22 11 16 00-0794)*		
22 11 16 00-0826	EA	1/4" Diameter, Brass Compression Male Connector	22.38	14.34
22 11 16 00-0827	EA	3/8" Diameter, Brass Compression Male Connector	22.77	14.34
22 11 16 00-0828	EA	1/2" Diameter, Brass Compression Male Connector	23.45	14.34
22 11 16 00-0829	EA	5/8" Diameter, Brass Compression Male Connector	24.47	14.34
22 11 16 00-0830	EA	3/4" Diameter, Brass Compression Male Connector	29.82	14.20
22 11 16 00-0831		**Brass Compression Female Connectors** *(22 11 16 00-0794)*		
22 11 16 00-0832	EA	1/4" Diameter, Brass Compression Female Connector	22.81	14.34
22 11 16 00-0833	EA	3/8" Diameter, Brass Compression Female Connector	23.32	14.34
22 11 16 00-0834	EA	1/2" Diameter, Brass Compression Female Connector	24.19	14.34
22 11 16 00-0835	EA	5/8" Diameter, Brass Compression Female Connector	24.73	14.34
22 11 16 00-0836	EA	3/4" Diameter, Brass Compression Female Connector	38.14	14.07
22 11 16 00-0837		**Dielectric Fittings** *(22 11 16 00-0383)*		
22 11 16 00-0838		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0839	EA	1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	55.44	31.86
22 11 16 00-0840	EA	3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	62.08	36.38
22 11 16 00-0841	EA	1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	73.20	39.98
22 11 16 00-0842	EA	1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	87.81	44.01
22 11 16 00-0843	EA	1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	105.31	48.90
22 11 16 00-0844	EA	2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	133.06	58.68
22 11 16 00-0845		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0846	EA	1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	60.27	31.86
22 11 16 00-0847	EA	3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	70.04	36.38
22 11 16 00-0848	EA	1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	83.69	39.98
22 11 16 00-0849	EA	1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	101.72	44.01
22 11 16 00-0850	EA	1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	122.52	48.90
22 11 16 00-0851	EA	2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	153.24	58.68
22 11 16 00-0852		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0853	EA	1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	57.21	31.86
22 11 16 00-0854	EA	3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	64.99	36.38
22 11 16 00-0855	EA	1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	73.97	39.98
22 11 16 00-0856	EA	1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	85.12	44.01
22 11 16 00-0857	EA	1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	102.64	48.90
22 11 16 00-0858	EA	2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	130.92	58.68
22 11 16 00-0859		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0860	EA	2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	325.54	150.85
22 11 16 00-0861	EA	3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	407.76	189.97
22 11 16 00-0862	EA	4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	573.02	258.55
22 11 16 00-0863		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0864	EA	2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	327.52	150.85
22 11 16 00-0865	EA	3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	423.60	189.97
22 11 16 00-0866	EA	4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	755.67	258.55
22 11 16 00-0867		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0868	EA	1/4" x 1/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	28.33	13.28
22 11 16 00-0869	EA	3/8" x 3/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	35.08	14.16
22 11 16 00-0870	EA	1/2" x 1/2" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	36.40	15.94
22 11 16 00-0871	EA	5/8" x 5/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	41.84	16.99
22 11 16 00-0872	EA	3/4" x 3/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	42.69	18.15
22 11 16 00-0873	EA	1" x 1" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	59.85	21.68
22 11 16 00-0874	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	35.74	15.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0875	EA	3/4" x 5/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	41.34	16.47
22 11 16 00-0876	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	61.41	19.92
22 11 16 00-0877	EA	1/4" x 1/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	29.55	13.28
22 11 16 00-0878	EA	3/8" x 3/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	40.26	14.16
22 11 16 00-0879	EA	1/2" x 1/2" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	37.07	15.94
22 11 16 00-0880	EA	5/8" x 5/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	44.85	16.99
22 11 16 00-0881	EA	3/4" x 3/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	41.83	18.15
22 11 16 00-0882	EA	1" x 1" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	60.51	21.68
22 11 16 00-0883	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	35.18	15.04
22 11 16 00-0884	EA	3/4" x 1/2" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	39.20	16.47
22 11 16 00-0885	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	76.23	19.92
22 11 16 00-0886	EA	1/4" x 1/4" x 1/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	44.81	19.92
22 11 16 00-0887	EA	3/8" x 3/8" x 3/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	56.60	21.25
22 11 16 00-0888	EA	1/2" x 1/2" x 1/2" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	51.99	23.90
22 11 16 00-0889	EA	5/8" x 5/8" x 5/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	66.01	25.49
22 11 16 00-0890	EA	3/4" x 3/4" x 3/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	60.63	27.22
22 11 16 00-0891	EA	1" x 1" x 1" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	82.72	32.52
22 11 16 00-0892	EA	1/2" x 1/2" x 1/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.19	22.57
22 11 16 00-0893	EA	1/2" x 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.53	23.01
22 11 16 00-0894	EA	3/4" x 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.52	26.12
22 11 16 00-0895	EA	1" x 1" x 3/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	80.22	30.76
22 11 16 00-0896	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.68	14.61
22 11 16 00-0897	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.30	15.04
22 11 16 00-0898	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.95	15.94
22 11 16 00-0899	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	37.73	18.15
22 11 16 00-0900	EA	1" x 1" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	52.88	21.68
22 11 16 00-0901	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.52	14.61
22 11 16 00-0902	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	33.30	15.04
22 11 16 00-0903	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	33.04	15.94
22 11 16 00-0904	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	37.36	18.15
22 11 16 00-0905	EA	5/8" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	40.52	17.56
22 11 16 00-0906	EA	1" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	48.57	19.92
22 11 16 00-0907	EA	1" x 1" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	53.65	21.68
22 11 16 00-0908	EA	1/2" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	47.34	15.94
22 11 16 00-0909	EA	3/4" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	55.33	18.15
22 11 16 00-0910	EA	1" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	73.00	21.68
22 11 16 00-0911	EA	1/2" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	50.68	15.94
22 11 16 00-0912	EA	3/4" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	60.97	18.15
22 11 16 00-0913	EA	1" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	102.34	21.68

22 11 16 00-0914 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0915	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	26.66	3.72
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.86*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.54*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.41*	
		For For Brazed Fittings, Add	*0.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.37*	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-0916	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	31.14	4.78
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.27*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.91*	
		For For Brazed Fittings, Add	*0.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*7.06*	
22 11 16 00-0917	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	34.65	5.71
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.73*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.20*	
		For For Brazed Fittings, Add	*0.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*7.40*	
22 11 16 00-0918	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	39.45	6.64
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.44*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.68*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.53*	
		For For Brazed Fittings, Add	*1.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.25*	
		For Work In Restricted Working Space, Add	*7.69*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.38*	
22 11 16 00-0919	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	44.24	7.57
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*4.04*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.12*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.94*	
		For For Brazed Fittings, Add	*1.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.58*	
		For Work In Restricted Working Space, Add	*8.20*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.69*	
22 11 16 00-0920	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	56.67	9.43
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.66*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.28*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.98*	
		For For Brazed Fittings, Add	*1.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.41*	
		For Work In Restricted Working Space, Add	*9.44*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.52*	
22 11 16 00-0921	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	71.01	11.37
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*7.85*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.92*	
		For For Brazed Fittings, Add	*1.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.24*	
		For Work In Restricted Working Space, Add	*10.12*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.73*	
22 11 16 00-0922	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	87.16	13.20
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*10.29*	
		For Type M Tubing Instead Of Type L, Deduct	*-7.54*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.01*	
		For For Brazed Fittings, Add	*1.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.18*	
		For Work In Restricted Working Space, Add	*10.96*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-5.06*	
22 11 16 00-0923	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	137.59	17.48
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*17.65*	
		For Type M Tubing Instead Of Type L, Deduct	*-12.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.60*	
		For For Brazed Fittings, Add	*1.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.24*	
		For Work In Restricted Working Space, Add	*14.17*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-9.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0924	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	242.78	21.76
		For Type K Tubing Instead Of Type L, Add	*34.19*	
		For Type M Tubing Instead Of Type L, Deduct	*-24.28*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.20*	
		For For Brazed Fittings, Add	*2.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.17*	
		For Work In Restricted Working Space, Add	*18.19*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-18.22*	
22 11 16 00-0925	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	317.32	26.29
		For Type K Tubing Instead Of Type L, Add	*44.99*	
		For Type M Tubing Instead Of Type L, Deduct	*-31.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.57*	
		For For Brazed Fittings, Add	*3.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.72*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-24.03*	
22 11 16 00-0926	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	671.32	31.42
		For Type K Tubing Instead Of Type L, Add	*104.21*	
		For Type M Tubing Instead Of Type L, Deduct	*-72.90*	
		For Silver Solder Instead Of 95/5 Solder, Add	*43.14*	
		For For Brazed Fittings, Add	*3.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.35*	
		For Work In Restricted Working Space, Add	*28.71*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-57.56*	

22 11 16 00-0927 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*
Note: Socket weld.

22 11 16 00-0928 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0927)*

22 11 16 00-0929 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0928)*

22 11 16 00-0930	LF	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.39	1.95
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0931	LF	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.19	2.05
		For Work In Restricted Working Space, Add	*1.54*	
22 11 16 00-0932	LF	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.55	2.21
		For Work In Restricted Working Space, Add	*1.66*	
22 11 16 00-0933	LF	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.21	2.41
		For Work In Restricted Working Space, Add	*1.81*	
22 11 16 00-0934	LF	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.72	2.67
		For Work In Restricted Working Space, Add	*2.00*	
22 11 16 00-0935	LF	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.44	2.98
		For Work In Restricted Working Space, Add	*2.24*	
22 11 16 00-0936	LF	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	19.17	3.38
		For Work In Restricted Working Space, Add	*2.54*	
22 11 16 00-0937	LF	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	24.30	4.01
		For Work In Restricted Working Space, Add	*3.00*	
22 11 16 00-0938	LF	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	33.27	4.93
		For Work In Restricted Working Space, Add	*3.70*	
22 11 16 00-0939	LF	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	56.20	6.26
		For Work In Restricted Working Space, Add	*4.70*	
22 11 16 00-0940	LF	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	80.33	8.21
		For Work In Restricted Working Space, Add	*6.16*	

22 11 16 00-0941 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0928)*

22 11 16 00-0942	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	25.58	9.29
		For Work In Restricted Working Space, Add	*6.97*	
22 11 16 00-0943	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	32.99	11.74
		For Work In Restricted Working Space, Add	*8.80*	
22 11 16 00-0944	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	42.58	14.67
		For Work In Restricted Working Space, Add	*11.04*	
22 11 16 00-0945	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	57.09	18.34
		For Work In Restricted Working Space, Add	*13.79*	
22 11 16 00-0946	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	63.42	20.29
		For Work In Restricted Working Space, Add	*15.26*	
22 11 16 00-0947	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	73.66	20.29
		For Work In Restricted Working Space, Add	*17.02*	
22 11 16 00-0948	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	108.66	25.79
		For Work In Restricted Working Space, Add	*19.36*	
22 11 16 00-0949	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	124.22	30.57
		For Work In Restricted Working Space, Add	*22.88*	
22 11 16 00-0950	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	173.84	37.53
		For Work In Restricted Working Space, Add	*28.17*	
22 11 16 00-0951	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	219.52	47.67
		For Work In Restricted Working Space, Add	*35.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0952	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	401.74	62.59
		For Work In Restricted Working Space, Add	*46.94*	

22 11 16 00-0953 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0928)*

22 11 16 00-0954	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	26.75	9.29
		For Work In Restricted Working Space, Add	*6.97*	
22 11 16 00-0955	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	34.40	11.74
		For Work In Restricted Working Space, Add	*8.80*	
22 11 16 00-0956	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	44.86	14.67
		For Work In Restricted Working Space, Add	*11.04*	
22 11 16 00-0957	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	60.09	18.34
		For Work In Restricted Working Space, Add	*13.79*	
22 11 16 00-0958	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	67.08	20.29
		For Work In Restricted Working Space, Add	*15.26*	
22 11 16 00-0959	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	74.90	22.74
		For Work In Restricted Working Space, Add	*17.02*	
22 11 16 00-0960	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	109.44	25.79
		For Work In Restricted Working Space, Add	*19.36*	
22 11 16 00-0961	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	124.12	30.57
		For Work In Restricted Working Space, Add	*22.88*	
22 11 16 00-0962	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	159.51	37.53
		For Work In Restricted Working Space, Add	*28.17*	
22 11 16 00-0963	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	246.38	47.67
		For Work In Restricted Working Space, Add	*35.79*	
22 11 16 00-0964	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	420.77	62.59
		For Work In Restricted Working Space, Add	*46.94*	

22 11 16 00-0965 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0928)*

22 11 16 00-0966	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	39.12	13.94
		For Work In Restricted Working Space, Add	*10.45*	
22 11 16 00-0967	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	50.83	17.60
		For Work In Restricted Working Space, Add	*13.20*	
22 11 16 00-0968	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	63.64	22.13
		For Work In Restricted Working Space, Add	*16.58*	
22 11 16 00-0969	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	86.64	27.63
		For Work In Restricted Working Space, Add	*20.69*	
22 11 16 00-0970	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	96.55	30.57
		For Work In Restricted Working Space, Add	*22.88*	
22 11 16 00-0971	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	115.31	33.99
		For Work In Restricted Working Space, Add	*25.52*	
22 11 16 00-0972	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	146.48	38.75
		For Work In Restricted Working Space, Add	*29.05*	
22 11 16 00-0973	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	168.45	45.72
		For Work In Restricted Working Space, Add	*34.33*	
22 11 16 00-0974	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	204.66	56.36
		For Work In Restricted Working Space, Add	*42.25*	
22 11 16 00-0975	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	303.69	71.64
		For Work In Restricted Working Space, Add	*53.69*	
22 11 16 00-0976	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	591.78	93.89
		For Work In Restricted Working Space, Add	*70.42*	

22 11 16 00-0977 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0928)*

22 11 16 00-0978	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	50.14	18.58
		For Work In Restricted Working Space, Add	*13.94*	
22 11 16 00-0979	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	64.56	23.47
		For Work In Restricted Working Space, Add	*17.60*	
22 11 16 00-0980	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	80.82	29.46
		For Work In Restricted Working Space, Add	*22.08*	
22 11 16 00-0981	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	107.16	36.80
		For Work In Restricted Working Space, Add	*27.58*	
22 11 16 00-0982	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	119.17	40.71
		For Work In Restricted Working Space, Add	*30.51*	
22 11 16 00-0983	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	139.49	45.35
		For Work In Restricted Working Space, Add	*34.04*	
22 11 16 00-0984	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	171.87	51.59
		For Work In Restricted Working Space, Add	*38.73*	
22 11 16 00-0985	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	199.11	61.00
		For Work In Restricted Working Space, Add	*45.77*	
22 11 16 00-0986	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	242.75	75.06
		For Work In Restricted Working Space, Add	*56.33*	
22 11 16 00-0987	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	346.05	95.48
		For Work In Restricted Working Space, Add	*71.59*	
22 11 16 00-0988	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	620.49	125.18
		For Work In Restricted Working Space, Add	*93.89*	

22 11 16 00-0989 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0928)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0990	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	22.92	8.55
		For Work In Restricted Working Space, Add	*6.46*	
22 11 16 00-0991	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	31.72	11.61
		For Work In Restricted Working Space, Add	*8.69*	
22 11 16 00-0992	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	50.42	15.16
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0993	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	56.71	16.75
		For Work In Restricted Working Space, Add	*12.58*	
22 11 16 00-0994	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	66.24	18.70
		For Work In Restricted Working Space, Add	*14.05*	
22 11 16 00-0995	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	72.72	21.28
		For Work In Restricted Working Space, Add	*15.99*	
22 11 16 00-0996	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	87.83	25.18
		For Work In Restricted Working Space, Add	*18.89*	
22 11 16 00-0997	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	117.36	30.93
		For Work In Restricted Working Space, Add	*23.25*	
22 11 16 00-0998	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	183.29	39.36
		For Work In Restricted Working Space, Add	*29.52*	
22 11 16 00-0999	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	384.48	51.59
		For Work In Restricted Working Space, Add	*38.73*	
22 11 16 00-1000		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts** *(22 11 16 00-0928)*		
22 11 16 00-1001	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	24.48	6.11
		For Work In Restricted Working Space, Add	*4.58*	
22 11 16 00-1002	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	31.44	8.55
		For Work In Restricted Working Space, Add	*6.46*	
22 11 16 00-1003	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	39.62	11.61
		For Work In Restricted Working Space, Add	*8.69*	
22 11 16 00-1004	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	49.74	15.16
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-1005	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	57.72	16.75
		For Work In Restricted Working Space, Add	*12.58*	
22 11 16 00-1006	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	71.26	18.70
		For Work In Restricted Working Space, Add	*14.05*	
22 11 16 00-1007	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	105.55	21.28
		For Work In Restricted Working Space, Add	*15.99*	
22 11 16 00-1008	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	199.43	25.18
		For Work In Restricted Working Space, Add	*18.89*	
22 11 16 00-1009	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	292.59	30.93
		For Work In Restricted Working Space, Add	*23.25*	
22 11 16 00-1010		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters** *(22 11 16 00-0928)*		
22 11 16 00-1011	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	18.80	6.11
		For Work In Restricted Working Space, Add	*4.58*	
22 11 16 00-1012	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	26.28	8.55
		For Work In Restricted Working Space, Add	*6.46*	
22 11 16 00-1013	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	37.01	11.61
		For Work In Restricted Working Space, Add	*8.69*	
22 11 16 00-1014	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	49.74	15.16
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-1015	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	57.95	16.75
		For Work In Restricted Working Space, Add	*12.58*	
22 11 16 00-1016	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	68.49	18.70
		For Work In Restricted Working Space, Add	*14.05*	
22 11 16 00-1017	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	94.32	21.28
		For Work In Restricted Working Space, Add	*15.99*	
22 11 16 00-1018	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	112.56	25.18
		For Work In Restricted Working Space, Add	*18.89*	
22 11 16 00-1019	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	161.37	30.93
		For Work In Restricted Working Space, Add	*23.25*	
22 11 16 00-1020		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters** *(22 11 16 00-0928)*		
22 11 16 00-1021	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	20.14	6.11
		For Work In Restricted Working Space, Add	*4.58*	
22 11 16 00-1022	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	26.71	8.55
		For Work In Restricted Working Space, Add	*6.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1023	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	37.12	11.61
		For Work In Restricted Working Space, Add	*8.69*	
22 11 16 00-1024	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	50.13	15.16
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-1025	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	56.16	16.75
		For Work In Restricted Working Space, Add	*12.58*	
22 11 16 00-1026	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	67.02	18.70
		For Work In Restricted Working Space, Add	*14.05*	
22 11 16 00-1027	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	95.17	21.28
		For Work In Restricted Working Space, Add	*15.99*	
22 11 16 00-1028	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	127.38	25.18
		For Work In Restricted Working Space, Add	*18.89*	
22 11 16 00-1029	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	186.57	30.93
		For Work In Restricted Working Space, Add	*23.25*	
22 11 16 00-1030		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(22 11 16 00-0928)*		
22 11 16 00-1031	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	16.94	5.63
		For Work In Restricted Working Space, Add	*4.18*	
22 11 16 00-1032	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	23.80	7.82
		For Work In Restricted Working Space, Add	*5.87*	
22 11 16 00-1033	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	32.00	10.52
		For Work In Restricted Working Space, Add	*7.89*	
22 11 16 00-1034	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	42.99	13.82
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-1035	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	48.88	15.28
		For Work In Restricted Working Space, Add	*11.44*	
22 11 16 00-1036	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	55.01	16.99
		For Work In Restricted Working Space, Add	*12.76*	
22 11 16 00-1037	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	78.30	19.31
		For Work In Restricted Working Space, Add	*14.52*	
22 11 16 00-1038	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	87.41	22.86
		For Work In Restricted Working Space, Add	*17.17*	
22 11 16 00-1039	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	109.96	28.12
		For Work In Restricted Working Space, Add	*21.12*	
22 11 16 00-1040	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	167.50	35.82
		For Work In Restricted Working Space, Add	*26.84*	
22 11 16 00-1041	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	275.46	46.94
		For Work In Restricted Working Space, Add	*35.21*	
22 11 16 00-1042		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions** *(22 11 16 00-0928)*		
22 11 16 00-1043	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	29.54	6.72
		For Work In Restricted Working Space, Add	*5.03*	
22 11 16 00-1044	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	36.88	9.41
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-1045	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	45.38	12.59
		For Work In Restricted Working Space, Add	*9.46*	
22 11 16 00-1046	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	73.86	16.51
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-1047	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	78.84	18.34
		For Work In Restricted Working Space, Add	*13.72*	
22 11 16 00-1048	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	106.05	20.41
		For Work In Restricted Working Space, Add	*15.33*	
22 11 16 00-1049	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	172.02	23.23
		For Work In Restricted Working Space, Add	*17.42*	
22 11 16 00-1050	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	240.90	27.51
		For Work In Restricted Working Space, Add	*20.61*	
22 11 16 00-1051	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	377.21	33.74
		For Work In Restricted Working Space, Add	*25.34*	
22 11 16 00-1052	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	502.71	42.90
		For Work In Restricted Working Space, Add	*32.20*	
22 11 16 00-1053	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	623.78	56.36
		For Work In Restricted Working Space, Add	*42.25*	
22 11 16 00-1054		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps** *(22 11 16 00-0928)*		
22 11 16 00-1055	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.45	5.75
		For Work In Restricted Working Space, Add	*2.62*	
22 11 16 00-1056	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	17.72	7.22
		For Work In Restricted Working Space, Add	*3.30*	
22 11 16 00-1057	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	25.68	9.05
		For Work In Restricted Working Space, Add	*4.14*	
22 11 16 00-1058	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	30.26	6.84
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1059	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	32.35	7.58
		For Work In Restricted Working Space, Add	*5.72*	
22 11 16 00-1060	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	42.66	8.55
		For Work In Restricted Working Space, Add	*6.38*	
22 11 16 00-1061	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	62.71	9.66
		For Work In Restricted Working Space, Add	*7.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1062	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	67.99	11.49
		For Work In Restricted Working Space, Add	*8.58*	
22 11 16 00-1063	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	101.65	14.06
		For Work In Restricted Working Space, Add	*10.56*	
22 11 16 00-1064	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	210.06	17.84
		For Work In Restricted Working Space, Add	*13.43*	
22 11 16 00-1065	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	270.95	23.47
		For Work In Restricted Working Space, Add	*17.60*	
22 11 16 00-1066		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges *(22 11 16 00-0928)*		
22 11 16 00-1067	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	22.54	4.40
		For Work In Restricted Working Space, Add	*3.34*	
22 11 16 00-1068	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	27.89	6.23
		For Work In Restricted Working Space, Add	*4.70*	
22 11 16 00-1069	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	34.66	8.43
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-1070	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	41.66	11.00
		For Work In Restricted Working Space, Add	*8.29*	
22 11 16 00-1071	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	44.93	12.23
		For Work In Restricted Working Space, Add	*9.17*	
22 11 16 00-1072	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	53.08	13.57
		For Work In Restricted Working Space, Add	*10.20*	
22 11 16 00-1073	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	68.55	15.53
		For Work In Restricted Working Space, Add	*11.63*	
22 11 16 00-1074	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	78.22	18.34
		For Work In Restricted Working Space, Add	*13.72*	
22 11 16 00-1075	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	97.54	22.49
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-1076	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	136.38	28.60
		For Work In Restricted Working Space, Add	*21.49*	
22 11 16 00-1077	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	239.95	37.53
		For Work In Restricted Working Space, Add	*28.17*	
22 11 16 00-1078		Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe *(22 11 16)*		
22 11 16 00-1079		Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1080	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.50	2.07
22 11 16 00-1081	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.36	2.17
22 11 16 00-1082	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.54	2.60
22 11 16 00-1083	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.61	2.79
22 11 16 00-1084	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	14.47	3.13
22 11 16 00-1085	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	18.92	3.20
22 11 16 00-1086	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	26.92	4.34
22 11 16 00-1087	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	35.51	5.02
22 11 16 00-1088	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	47.44	5.62
22 11 16 00-1089	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	55.97	6.20
22 11 16 00-1090		Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1091	LF	1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.08	2.07
22 11 16 00-1092	LF	3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.66	2.17
22 11 16 00-1093	LF	1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	7.29	2.60
22 11 16 00-1094	LF	1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.78	2.79
22 11 16 00-1095	LF	1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	11.28	3.13
22 11 16 00-1096	LF	2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	14.39	3.20
22 11 16 00-1097	LF	2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	19.95	4.34
22 11 16 00-1098	LF	3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	26.31	5.02
22 11 16 00-1099	LF	3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	35.89	5.62
22 11 16 00-1100	LF	4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	42.29	6.20
22 11 16 00-1101		Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm greenpipe®.		
22 11 16 00-1102	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.72	2.07
22 11 16 00-1103	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.66	2.17
22 11 16 00-1104	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.87	2.60
22 11 16 00-1105	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	11.04	2.79
22 11 16 00-1106	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	15.71	3.13
22 11 16 00-1107	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	19.59	3.20
22 11 16 00-1108	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	27.88	4.34
22 11 16 00-1109	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	37.90	5.02
22 11 16 00-1110	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	47.31	5.62
22 11 16 00-1111	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	55.59	6.20

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1112		Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm climatherm®.		
22 11 16 00-1113	LF	1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.06	2.08
22 11 16 00-1114	LF	3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.74	2.17
22 11 16 00-1115	LF	1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.83	2.60
22 11 16 00-1116	LF	1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	8.12	2.79
22 11 16 00-1117	LF	1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	10.10	3.13
22 11 16 00-1118	LF	2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	12.59	3.20
22 11 16 00-1119	LF	2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	17.50	4.34
22 11 16 00-1120	LF	3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	22.89	5.02
22 11 16 00-1121	LF	3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	30.26	5.62
22 11 16 00-1122	LF	4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	36.30	6.20
22 11 16 00-1123	LF	6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	43.76	7.93
22 11 16 00-1124	LF	8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	69.43	10.41
22 11 16 00-1125		Pipe Clamp For Polypropylene Random (PP-R) Pipe *(22 11 16 00-1078)*		
22 11 16 00-1126	EA	1/2" Diameter Pipe Clamp For Polypropylene Pipe	13.87	5.15
22 11 16 00-1127	EA	3/4" Diameter Pipe Clamp For Polypropylene Pipe	14.42	5.15
22 11 16 00-1128	EA	1" Diameter Pipe Clamp For Polypropylene Pipe	14.78	5.15
22 11 16 00-1129	EA	1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	14.91	5.15
22 11 16 00-1130	EA	1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	15.33	5.15
22 11 16 00-1131	EA	2" Diameter Pipe Clamp For Polypropylene Pipe	16.54	5.15
22 11 16 00-1132	EA	2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	18.31	5.15
22 11 16 00-1133	EA	3" Diameter Pipe Clamp For Polypropylene Pipe	18.91	5.15
22 11 16 00-1134	EA	3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	19.76	5.15
22 11 16 00-1135	EA	4" Diameter Pipe Clamp For Polypropylene Pipe	20.92	5.15
22 11 16 00-1136		Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap *(22 11 16 00-1078)*		
22 11 16 00-1137	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.75	
22 11 16 00-1138	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.90	
22 11 16 00-1139	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.97	
22 11 16 00-1140	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	5.02	
22 11 16 00-1141		Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp *(22 11 16 00-1078)*		
22 11 16 00-1142	EA	1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.35	2.67
22 11 16 00-1143	EA	3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.72	2.67
22 11 16 00-1144		Polypropylene Random (PP-R), Heat Fusion, Socket Coupling *(22 11 16 00-1078)*		
22 11 16 00-1145	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling	9.85	4.16
22 11 16 00-1146	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling	10.40	4.34
22 11 16 00-1147	EA	1" Polypropylene, Heat Fusion, Socket Coupling	12.68	5.21
22 11 16 00-1148	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling	13.88	5.58
22 11 16 00-1149	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling	18.23	6.26
22 11 16 00-1150	EA	2" Polypropylene, Heat Fusion, Socket Coupling	24.18	6.39
22 11 16 00-1151	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling	30.14	8.68
22 11 16 00-1152	EA	3" Polypropylene, Heat Fusion, Socket Coupling	48.15	10.05
22 11 16 00-1153	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling	68.09	11.22
22 11 16 00-1154	EA	4" Polypropylene, Heat Fusion, Socket Coupling	84.69	12.40
22 11 16 00-1155		Polypropylene Random (PP-R), Heat Fusion, Bushing *(22 11 16 00-1078)*		
22 11 16 00-1156	EA	1" Polypropylene, Heat Fusion, Bushing	10.61	4.16
22 11 16 00-1157	EA	1-1/4" Polypropylene, Heat Fusion, Bushing	12.21	4.34
22 11 16 00-1158	EA	1-1/2" Polypropylene, Heat Fusion, Bushing	16.25	5.21
22 11 16 00-1159	EA	2" Polypropylene, Heat Fusion, Bushing	22.85	5.58
22 11 16 00-1160	EA	2-1/2" Polypropylene, Heat Fusion, Bushing	25.61	6.26
22 11 16 00-1161	EA	3" Polypropylene, Heat Fusion, Bushing	41.89	6.39
22 11 16 00-1162	EA	3-1/2" Polypropylene, Heat Fusion, Bushing	63.92	8.68
22 11 16 00-1163	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	76.90	10.05
22 11 16 00-1164	EA	4" x 3" Polypropylene, Heat Fusion, Bushing	93.10	11.22
22 11 16 00-1165	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	97.56	12.40
22 11 16 00-1166		Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling *(22 11 16 00-1078)*		
22 11 16 00-1167	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	14.14	4.34
22 11 16 00-1168	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	18.64	5.21
22 11 16 00-1169	EA	2" Polypropylene, Heat Fusion, Reducing Coupling	27.58	5.58
22 11 16 00-1170	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	30.58	6.26
22 11 16 00-1171	EA	3" Polypropylene, Heat Fusion, Reducing Coupling	37.10	6.39
22 11 16 00-1172	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	59.57	8.68
22 11 16 00-1173	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	77.26	10.54
22 11 16 00-1174	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	86.63	12.40
22 11 16 00-1175		Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow *(22 11 16 00-1078)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1176	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	18.27	8.31
22 11 16 00-1177	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	19.61	8.74
22 11 16 00-1178	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow	23.90	10.41
22 11 16 00-1179	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	27.16	11.22
22 11 16 00-1180	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	35.06	12.47
22 11 16 00-1181	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow	41.00	12.71
22 11 16 00-1182	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	69.39	17.43
22 11 16 00-1183	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow	97.61	20.09
22 11 16 00-1184	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	126.44	22.45
22 11 16 00-1185	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow	175.24	24.80
22 11 16 00-1186		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1187	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	18.27	8.31
22 11 16 00-1188	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	19.61	8.74
22 11 16 00-1189	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	23.90	10.41
22 11 16 00-1190	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	27.16	11.22
22 11 16 00-1191		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1192	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	18.27	8.31
22 11 16 00-1193	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	19.61	8.74
22 11 16 00-1194	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow	23.90	10.41
22 11 16 00-1195	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	27.16	11.22
22 11 16 00-1196	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	35.06	12.47
22 11 16 00-1197	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow	40.81	12.71
22 11 16 00-1198	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	68.97	17.43
22 11 16 00-1199	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow	103.19	20.09
22 11 16 00-1200	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	134.61	22.45
22 11 16 00-1201	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow	187.77	24.80
22 11 16 00-1202		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1203	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	18.25	8.31
22 11 16 00-1204	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	19.61	8.74
22 11 16 00-1205	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	23.90	10.41
22 11 16 00-1206	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	27.16	11.22
22 11 16 00-1207		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1078)*		
22 11 16 00-1208	EA	1/2" Polypropylene, Heat Fusion, Tee	27.15	12.47
22 11 16 00-1209	EA	3/4" Polypropylene, Heat Fusion, Tee	29.23	13.08
22 11 16 00-1210	EA	1" Polypropylene, Heat Fusion, Tee	35.02	15.56
22 11 16 00-1211	EA	1-1/4" Polypropylene, Heat Fusion, Tee	39.55	16.80
22 11 16 00-1212	EA	1-1/2" Polypropylene, Heat Fusion, Tee	54.40	18.72
22 11 16 00-1213	EA	2" Polypropylene, Heat Fusion, Tee	62.48	19.10
22 11 16 00-1214	EA	2-1/2" Polypropylene, Heat Fusion, Tee	92.90	26.11
22 11 16 00-1215	EA	3" Polypropylene, Heat Fusion, Tee	127.45	30.14
22 11 16 00-1216	EA	3-1/2" Polypropylene, Heat Fusion, Tee	172.01	33.64
22 11 16 00-1217	EA	4" Polypropylene, Heat Fusion, Tee	213.48	37.14
22 11 16 00-1218		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1078)*		
22 11 16 00-1219	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee	27.15	12.47
22 11 16 00-1220	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee	29.23	13.08
22 11 16 00-1221	EA	1" Polypropylene, Heat Fusion, Reducing Tee	34.98	15.56
22 11 16 00-1222	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee	39.55	16.80
22 11 16 00-1223	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee	54.40	18.72
22 11 16 00-1224	EA	2" Polypropylene, Heat Fusion, Reducing Tee	61.01	19.10
22 11 16 00-1225	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee	89.42	26.11
22 11 16 00-1226	EA	3" Polypropylene, Heat Fusion, Reducing Tee	134.87	30.14
22 11 16 00-1227	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee	183.85	33.64
22 11 16 00-1228	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	209.27	37.14
22 11 16 00-1229	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee	213.96	37.14
22 11 16 00-1230	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	214.49	37.14
22 11 16 00-1231		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1078)*		
22 11 16 00-1232	EA	1/2" Polypropylene, Heat Fusion, End Cap	10.73	4.16
22 11 16 00-1233	EA	3/4" Polypropylene, Heat Fusion, End Cap	11.74	4.34
22 11 16 00-1234	EA	1" Polypropylene, Heat Fusion, End Cap	14.12	5.21
22 11 16 00-1235	EA	1-1/4" Polypropylene, Heat Fusion, End Cap	17.00	5.58
22 11 16 00-1236	EA	1-1/2" Polypropylene, Heat Fusion, End Cap	20.59	6.26
22 11 16 00-1237	EA	2" Polypropylene, Heat Fusion, End Cap	26.26	6.39
22 11 16 00-1238	EA	2-1/2" Polypropylene, Heat Fusion, End Cap	36.93	8.68
22 11 16 00-1239	EA	3" Polypropylene, Heat Fusion, End Cap	64.27	10.05
22 11 16 00-1240	EA	3-1/2" Polypropylene, Heat Fusion, End Cap	75.59	11.22
22 11 16 00-1241	EA	4" Polypropylene, Heat Fusion, End Cap	105.74	12.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1242		Polypropylene Random (PP-R), Heat Fusion Outlet *(22 11 16 00-1078)*		
22 11 16 00-1243	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	13.36	
22 11 16 00-1244	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	13.73	
22 11 16 00-1245	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.93	
22 11 16 00-1246	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	14.30	
22 11 16 00-1247	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	14.88	
22 11 16 00-1248	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	15.25	
22 11 16 00-1249	EA	2" x 1" Polypropylene, Heat Fusion Outlet	17.10	
22 11 16 00-1250	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.83	
22 11 16 00-1251	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	16.20	
22 11 16 00-1252	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	18.05	
22 11 16 00-1253	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	18.93	
22 11 16 00-1254	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	16.78	
22 11 16 00-1255	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	17.15	
22 11 16 00-1256	EA	3" x 1" Polypropylene, Heat Fusion Outlet	19.00	
22 11 16 00-1257	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.88	
22 11 16 00-1258	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	16.78	
22 11 16 00-1259	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	18.10	
22 11 16 00-1260	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	19.95	
22 11 16 00-1261	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	20.83	
22 11 16 00-1262	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.58	
22 11 16 00-1263	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	18.68	
22 11 16 00-1264	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	19.05	
22 11 16 00-1265	EA	4" x 1" Polypropylene, Heat Fusion Outlet	20.90	
22 11 16 00-1266	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.78	
22 11 16 00-1267	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.58	
22 11 16 00-1268	EA	4" x 2" Polypropylene, Heat Fusion Outlet	28.86	
22 11 16 00-1269		Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included *(22 11 16 00-1078)*		
22 11 16 00-1270	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	15.74	5.21
22 11 16 00-1271	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	17.45	5.58
22 11 16 00-1272	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	22.37	6.26
22 11 16 00-1273	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	23.87	6.39
22 11 16 00-1274	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	32.90	8.68
22 11 16 00-1275	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	51.68	10.05
22 11 16 00-1276	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	69.50	11.22
22 11 16 00-1277	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	144.64	12.40
22 11 16 00-1278		Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern *(22 11 16 00-1078)*		
22 11 16 00-1279	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	25.34	
22 11 16 00-1280	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	33.42	
22 11 16 00-1281	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	41.66	
22 11 16 00-1282	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	49.47	
22 11 16 00-1283	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	69.10	
22 11 16 00-1284	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	80.20	
22 11 16 00-1285	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	99.30	
22 11 16 00-1286	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	120.22	
22 11 16 00-1287		Polypropylene Random (PP-R), Electrofusion Coupling *(22 11 16 00-1078)*		
22 11 16 00-1288	EA	1/2" Polypropylene, Electrofusion Coupling	56.35	8.31
22 11 16 00-1289	EA	3/4" Polypropylene, Electrofusion Coupling	58.77	8.74
22 11 16 00-1290	EA	1" Polypropylene, Electrofusion Coupling	67.08	10.41
22 11 16 00-1291	EA	1-1/4" Polypropylene, Electrofusion Coupling	69.42	11.22
22 11 16 00-1292	EA	1-1/2" Polypropylene, Electrofusion Coupling	75.59	12.47
22 11 16 00-1293	EA	2" Polypropylene, Electrofusion Coupling	98.88	12.71
22 11 16 00-1294	EA	2-1/2" Polypropylene, Electrofusion Coupling	121.91	17.43
22 11 16 00-1295	EA	3" Polypropylene, Electrofusion Coupling	151.29	20.09
22 11 16 00-1296	EA	3-1/2" Polypropylene, Electrofusion Coupling	202.68	22.45
22 11 16 00-1297	EA	4" Polypropylene, Electrofusion Coupling	248.20	24.80
22 11 16 00-1298		Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow *(22 11 16 00-1078)*		
22 11 16 00-1299	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	31.65	11.40
22 11 16 00-1300	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	36.90	11.84
22 11 16 00-1301		Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow *(22 11 16 00-1078)*		
22 11 16 00-1302	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	33.77	11.40
22 11 16 00-1303		Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test *(22 11 16 00-1078)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1304	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	9.51	4.16
22 11 16 00-1305	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	10.24	4.34
22 11 16 00-1306		**Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1307	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	24.18	8.31
22 11 16 00-1308	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	26.58	8.31
22 11 16 00-1309	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	25.05	8.74
22 11 16 00-1310	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	27.45	8.74
22 11 16 00-1311	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	31.79	10.41
22 11 16 00-1312		**Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	28.49	8.31
22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.52	8.31
22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	29.36	8.74
22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	31.39	8.74
22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	36.85	10.41
22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	53.35	10.41
22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	56.58	11.22
22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	73.81	11.22
22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	77.99	12.47
22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	84.49	12.47
22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	90.67	12.71
22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	117.65	12.71
22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	131.14	17.43
22 11 16 00-1326		**Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	34.43	8.31
22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	36.97	8.31
22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	35.30	8.74
22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	37.84	8.74
22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	44.88	10.41
22 11 16 00-1332		**Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	29.68	8.31
22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	31.54	8.31
22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.41	8.74
22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	45.86	10.41
22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	62.96	10.41
22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	48.38	11.22
22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	67.25	11.22
22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	71.20	12.47
22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	81.95	12.47
22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	92.97	12.71
22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	104.42	12.71
22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	115.75	17.43
22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	155.96	17.43
22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	229.06	20.09
22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	432.12	22.45
22 11 16 00-1348		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	29.83	8.31
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	25.45	8.31
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.70	8.74
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	26.32	8.74
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	35.47	10.41
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	52.50	10.41
22 11 16 00-1355		**Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	25.45	8.31
22 11 16 00-1357		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	27.64	8.31
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.06	8.31
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.93	8.74
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	37.09	10.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	49.74	10.41
22 11 16 00-1363		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	35.38	12.47
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.84	12.47
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	36.63	13.08
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	40.09	13.08
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	47.38	15.56
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	62.93	15.56
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	73.25	18.72
22 11 16 00-1371		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	37.71	12.47
22 11 16 00-1373		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1078)*		
22 11 16 00-1374	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	25.06	4.16
22 11 16 00-1375		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1376	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	22.18	
22 11 16 00-1377	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	28.07	
22 11 16 00-1378	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	38.36	
22 11 16 00-1379		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1380	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	25.57	
22 11 16 00-1381	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	34.35	
22 11 16 00-1382		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1078)*		
22 11 16 00-1383	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	18.13	4.16
22 11 16 00-1384	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	26.58	4.34
22 11 16 00-1385	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	34.67	5.21
22 11 16 00-1386		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1078)*		
22 11 16 00-1387	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	25.81	9.12
22 11 16 00-1388	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	26.80	9.61
22 11 16 00-1389	EA	1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	37.30	11.40
22 11 16 00-1390	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	55.66	12.34
22 11 16 00-1391		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1078)*		
22 11 16 00-1392	EA	1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	69.56	9.12
22 11 16 00-1393	EA	3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	70.55	9.61
22 11 16 00-1394	EA	1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	84.28	11.40
22 11 16 00-1395	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	136.32	12.34
22 11 16 00-1396		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1397	EA	1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	64.53	9.12
22 11 16 00-1398	EA	3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	71.35	9.61
22 11 16 00-1399	EA	1" Diameter, Polypropylene, Heat Fusion, Ball Valve	86.46	11.40
22 11 16 00-1400	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	120.92	12.34
22 11 16 00-1401	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	174.50	13.70
22 11 16 00-1402	EA	2" Diameter, Polypropylene, Heat Fusion, Ball Valve	263.30	14.02
22 11 16 00-1403		**Extension For Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1404	EA	Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length	32.63	
22 11 16 00-1405	EA	Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length	32.68	
22 11 16 00-1406	EA	Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length	35.66	
22 11 16 00-1407		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1078)*		
22 11 16 00-1408	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	32.47	8.31
22 11 16 00-1409	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	33.34	8.74
22 11 16 00-1410	EA	1" Polypropylene, Heat Fusion, Draining Branch	38.37	10.41
22 11 16 00-1411	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	39.98	11.22
22 11 16 00-1412	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	43.91	12.47
22 11 16 00-1413	EA	2" Polypropylene, Heat Fusion, Draining Branch	46.95	12.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1414		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing And Fittings (Viega) *(22 11 16)*		
		Note: ASTM F876/F877 standards and listed to ANSI/NSF Standards 14 and 61		
22 11 16 00-1415		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing *(22 11 16 00-1414)*		
22 11 16 00-1416	LF	1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	5.89	3.54
22 11 16 00-1417	LF	3/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	7.72	4.40
22 11 16 00-1418	LF	1" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	9.01	4.65
22 11 16 00-1419	LF	1-1/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	14.92	4.86
22 11 16 00-1420	LF	1-1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	16.19	5.13
22 11 16 00-1421	LF	2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	24.90	6.11
22 11 16 00-1422		Cross-Linked Polyethylene (PEX, XPE or XLPE) Fittings *(22 11 16 00-1414)*		
22 11 16 00-1423		Male Adapters *(22 11 16 00-1422)*		
22 11 16 00-1424	EA	1/2" Diameter, Male Adapter, Bronze Press Fitting	23.72	13.20
22 11 16 00-1425	EA	3/4" Diameter, Male Adapter, Bronze Press Fitting	33.55	17.48
22 11 16 00-1426	EA	1" Diameter, Male Adapter, Bronze Press Fitting	44.94	21.76
22 11 16 00-1427	EA	1-1/4" Diameter, Male Adapter, Bronze Press Fitting	75.29	28.18
22 11 16 00-1428	EA	1-1/2" Diameter, Male Adapter, Bronze Press Fitting	85.64	34.72
22 11 16 00-1429	EA	2" Diameter, Male Adapter, Bronze Press Fitting	112.76	44.13
22 11 16 00-1430		Female Adapters *(22 11 16 00-1422)*		
22 11 16 00-1431	EA	1/2" Diameter, Female Adapter, Bronze Press Fitting	26.39	13.20
22 11 16 00-1432	EA	3/4" Diameter, Female Adapter, Bronze Press Fitting	34.23	17.48
22 11 16 00-1433	EA	1" Diameter, Female Adapter, Bronze Press Fitting	50.37	21.76
22 11 16 00-1434		Tees *(22 11 16 00-1422)*		
22 11 16 00-1435	EA	1/2" Diameter, Tee, Bronze Press Fitting	40.05	21.76
22 11 16 00-1436	EA	5/8" Diameter, Tee, Bronze Press Fitting	48.13	26.29
22 11 16 00-1437	EA	3/4" Diameter, Tee, Bronze Press Fitting	49.66	26.29
22 11 16 00-1438	EA	1" Diameter, Tee, Bronze Press Fitting	75.89	34.72
22 11 16 00-1439	EA	1-1/4" Diameter, Tee, Bronze Press Fitting	119.72	43.62
22 11 16 00-1440	EA	1-1/2" Diameter, Tee, Bronze Press Fitting	144.04	52.57
22 11 16 00-1441	EA	2" Diameter, Tee, Bronze Press Fitting	188.29	65.28
22 11 16 00-1442	EA	3/4" x 1/2" Diameter, Reducing Tee, Bronze Press Fitting	49.66	26.29
22 11 16 00-1443	EA	1" x 3/4" Diameter, Reducing Tee, Bronze Press Fitting	70.08	34.72
22 11 16 00-1444	EA	1-1/4" x 1" Diameter, Reducing Tee, Bronze Press Fitting	111.23	43.62
22 11 16 00-1445	EA	1-1/2" x 1" Diameter, Reducing Tee, Bronze Press Fitting	135.17	52.57
22 11 16 00-1446	EA	1-1/2" x 1-1/4" Diameter, Reducing Tee, Bronze Press Fitting	142.32	52.57
22 11 16 00-1447	EA	2" x 1-1/2" Diameter, Reducing Tee, Bronze Press Fitting	177.31	65.28
22 11 16 00-1448		Couplings *(22 11 16 00-1422)*		
22 11 16 00-1449	EA	1/2" Diameter, Coupling, Bronze Press Fitting	23.83	13.20
22 11 16 00-1450	EA	5/8" Diameter, Coupling, Bronze Press Fitting	33.55	17.48
22 11 16 00-1451	EA	3/4" Diameter, Coupling, Bronze Press Fitting	33.09	17.48
22 11 16 00-1452	EA	1" Diameter, Coupling, Bronze Press Fitting	45.71	21.76
22 11 16 00-1453	EA	1-1/4" Diameter, Coupling, Bronze Press Fitting	73.95	28.18
22 11 16 00-1454	EA	1-1/2" Diameter, Coupling, Bronze Press Fitting	96.54	34.72
22 11 16 00-1455	EA	2" Diameter, Coupling, Bronze Press Fitting	127.88	44.13
22 11 16 00-1456	EA	3/4" x 1/2" Diameter, Reducing Coupling, Bronze Press Fitting	36.53	17.48
22 11 16 00-1457	EA	1" x 3/4" Diameter, Reducing Coupling, Bronze Press Fitting	45.32	21.76
22 11 16 00-1458	EA	1-1/4" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	68.29	28.18
22 11 16 00-1459	EA	1-1/2" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	87.86	34.72
22 11 16 00-1460	EA	1-1/2" x 1-1/4" Diameter, Reducing Coupling, Bronze Press Fitting	91.18	34.72
22 11 16 00-1461	EA	2" x 1-1/2" Diameter, Reducing Coupling, Bronze Press Fitting	120.44	44.13
22 11 16 00-1462		90 Degree Elbows *(22 11 16 00-1422)*		
22 11 16 00-1463	EA	1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	25.63	13.08
22 11 16 00-1464	EA	5/8" Diameter, 90 Degree Elbow, Bronze Press Fitting	33.55	17.48
22 11 16 00-1465	EA	3/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	34.88	17.48
22 11 16 00-1466	EA	1" Diameter, 90 Degree Elbow, Bronze Press Fitting	52.86	21.76
22 11 16 00-1467	EA	1-1/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	84.08	28.18
22 11 16 00-1468	EA	1-1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	105.44	34.72
22 11 16 00-1469	EA	2" Diameter, 90 Degree Elbow, Bronze Press Fitting	140.25	44.13
22 11 19		**Domestic Water Piping Specialties** *(22 11)*		
		See CSI section 23 21 16 00-0000 for additional piping specialties.		
22 11 19 00-0001		Rubber Hose And Clamps *(22 11 19)*		
22 11 19 00-0002		General Purpose Hose *(22 11 19 00-0001)*		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.51	2.64
22 11 19 00-0004	LF	1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.98	2.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0005	LF	5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.16	2.64
22 11 19 00-0006	LF	3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.27	2.64
22 11 19 00-0007	LF	1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	16.67	3.97
22 11 19 00-0008	LF	1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	27.44	3.97
22 11 19 00-0009	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	29.85	5.29
22 11 19 00-0010	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	56.97	5.29
22 11 19 00-0011		**Reinfored EPDM Water Hose Assembly** *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	75.49	5.29
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	89.05	5.29
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	125.19	6.50
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	175.77	8.78
22 11 19 00-0016		**Chemical Resistant Rubber Hoses** *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,407.14	326.99
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,900.59	326.99
22 11 19 00-0019		**Water Pump Hose** *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	647.73	80.75
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	685.34	80.75
22 11 19 00-0022		**Barbed Hose x Threaded Male Pipe, Steel Coupling** *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.65	11.10
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	34.65	11.90
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	37.10	12.69
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	42.14	14.27
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	50.49	17.45
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	59.86	20.88
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	77.23	27.48
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	97.18	34.36
22 11 19 00-0031		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter, Worm Drive Hose Clamp	13.87	3.97
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp	14.67	3.97
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp	15.53	3.97
22 11 19 00-0035	EA	3/4" To 2" Diameter, Worm Drive Hose Clamp	16.53	3.97
22 11 19 00-0036	EA	1" To 2-1/2" Diameter, Worm Drive Hose Clamp	17.67	3.97
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp	19.13	5.29
22 11 19 00-0038	EA	1-1/2" To 3" Diameter, Worm Drive Hose Clamp	20.65	5.29
22 11 19 00-0039		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0040		**Trap Primer** *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	346.31	19.92
22 11 19 00-0042	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	212.30	13.28
22 11 19 00-0043	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	205.57	13.28
22 11 19 00-0044		**Trap Primer Distribution Unit** *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	176.59	26.56
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	194.72	26.56
22 11 19 00-0047		**Trap Primer Manifold** *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	277.81	35.71
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	421.14	40.62
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	561.27	43.02
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	706.30	50.45
22 11 19 00-0052		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0053		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0054	EA	2" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	988.69	48.48
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,218.32	81.02
		For Back Flush Attachment, Add	*650.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0056	EA	4" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,544.80	102.27
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0057		**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0058	EA	2" x 1" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	1,009.93	48.48
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,970.67	48.48
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,370.16	81.02
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" x 4" Diameter NPT, With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	3,506.11	102.27
22 11 19 00-0062		**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0063	EA	2" x 1" Diameter NPT, Sewage Combination Air Valve (Apco 443)	2,145.84	48.48
22 11 19 00-0064	EA	2" x 2" Diameter NPT, Sewage Combination Air Valve (Apco 445)	2,955.31	48.48
22 11 19 00-0065	EA	3" x 3" Diameter NPT, Sewage Combination Air Valve (Apco 447)	3,463.61	81.02
22 11 19 00-0066	EA	4" x 4" Diameter NPT, Sewage Combination Air Valve (Apco 449)	4,235.96	102.27
22 11 19 00-0067		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)*		
		Note: Watts 288A		
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	123.79	33.19
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	142.29	37.17
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	293.32	42.48
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	467.54	49.12
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	558.51	54.44
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	818.18	66.39
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,150.31	82.99
22 11 19 00-0075		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)*		
		Note: Watts 800M4QT		
22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	366.92	33.19
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	320.35	37.17
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker	458.69	42.48
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	831.36	49.12
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,012.54	54.44
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,021.56	66.39
22 11 19 00-0082		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	304.02	15.87
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	593.40	19.21
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	867.14	19.21
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	2,116.86	19.21
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,377.58	19.21
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,913.65	19.21
22 11 19 00-0089		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0090		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0089)*		
22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	203.59	8.85
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	392.20	10.21
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	583.56	11.07
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,437.78	14.28
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,751.10	17.71
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,992.79	19.21
22 11 19 00-0097		**Wall Hydrants** *(22 11 19)*		
		Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0098		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0097)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0099	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	589.01	33.19
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0100	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	627.48	39.83
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0101	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	654.68	47.93
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	

22 11 19 00-0102 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants
(22 11 19 00-0097)

Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0103	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	638.23	55.76
		For Cast Bronze Box, Add	*27.73*	
		For 1" NPT Outlet, Add	*65.35*	

22 11 19 00-0104 Cast Bronze Non-Freezing Wall Hydrant *(22 11 19 00-0097)*

Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0105	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	363.70	41.16
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0106	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	433.90	41.16
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0107	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	433.90	41.16
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0108	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	433.90	41.16
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0109	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	450.24	82.99
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0110	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	450.24	82.99
		For 1" NPT Outlet, Add	*65.35*	
22 11 19 00-0111	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	499.11	82.99
		For 1" NPT Outlet, Add	*65.35*	

22 11 19 00-0112 Stainless Steel Box Type Wall Hydrants *(22 11 19 00-0097)*

Note: With 3/4" NPT female and 3/4" NPT male inlet connection.

22 11 19 00-0113	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	316.60	33.19
22 11 19 00-0114	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	341.09	33.19
22 11 19 00-0115	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	344.43	33.19
22 11 19 00-0116	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	381.17	33.19
22 11 19 00-0117	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	526.88	46.47
22 11 19 00-0118	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	541.35	46.47
22 11 19 00-0119	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	541.35	46.47
22 11 19 00-0120	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	575.86	46.47

22 11 19 00-0121 Washer Boxes And Dryer Outlets *(22 11 19)*

22 11 19 00-0122 Dryer Vent Kit *(22 11 19 00-0121)*

Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.

22 11 19 00-0123	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	90.53	17.26

22 11 19 00-0124 Washer Boxes And Dryer Vents *(22 11 19 00-0121)*

Note: Includes 1/2" supply valves and mounting brackets.

22 11 19 00-0125	EA	2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	321.14	26.56

22 11 19 00-0126 Ice Maker Outlet Box *(22 11 19)*

Note: Includes one 1/2" quarter turn ball valve and connections wall mount.

22 11 19 00-0127	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	171.03	26.56
22 11 19 00-0128	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	174.07	26.56
22 11 19 00-0129	EA	Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	253.28	26.56

22 11 19 00-0130 Tempering Controllers For Potable Hot Water *(22 11 19)*

22 11 19 00-0131 Point-Of-Use Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0130)*

Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.

22 11 19 00-0132	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	597.36	32.14
22 11 19 00-0133	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	152.24	32.14
22 11 19 00-0134	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	338.20	32.14
22 11 19 00-0135	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	387.36	43.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0136		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0130)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0137	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,627.94	46.35
22 11 19 00-0138	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,826.55	57.09
22 11 19 00-0139	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,196.20	66.41
22 11 19 00-0140	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,849.21	69.79
22 11 19 00-0141	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,825.65	90.55
22 11 19 00-0142		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0130)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0143	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,156.68	71.39
22 11 19 00-0144	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,411.53	83.01
22 11 19 00-0145	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,312.53	87.25
22 11 19 00-0146	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,991.02	113.20
22 11 19 00-0147		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0130)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0148	EA	3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,180.45	46.35
22 11 19 00-0149	EA	1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,389.47	57.08
22 11 19 00-0150	EA	1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,708.17	66.41
22 11 19 00-0151	EA	1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,090.03	69.82
22 11 19 00-0152	EA	2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,106.77	90.55
22 11 19 00-0153		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0130)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0154	EA	3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,432.32	66.39
22 11 19 00-0155	EA	1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,637.40	83.65
22 11 19 00-0156	EA	1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,006.86	100.90
22 11 19 00-0157	EA	1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,411.07	118.17
22 11 19 00-0158	EA	2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,244.38	155.34
22 11 19 00-0159	EA	2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,189.73	177.13
22 11 19 00-0160		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0130)*		
22 11 19 00-0161	EA	2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,541.09	90.58
22 11 19 00-0162		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0163		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0162)*		
22 11 19 00-0164		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0163)*		
22 11 19 00-0165		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0164)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0166	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	504.04	35.58
		For Work In Restricted Working Space, Add	*26.69*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0167	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	594.73	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-468.60*	
22 11 19 00-0168	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	685.68	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-531.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0169	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	960.34	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0170	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,189.38	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-984.92*	
22 11 19 00-0171	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,369.76	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-1,104.22*	

22 11 19 00-0172 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer

(22 11 19 00-0164)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).

22 11 19 00-0173	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	622.82	35.58
		For Work In Restricted Working Space, Add	*26.69*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0174	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	768.69	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0175	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	898.95	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0176	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,264.22	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0177	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,547.29	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0178	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,863.90	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-1,598.36*	

22 11 19 00-0179 Flanged Double Check Valve Assemblies *(22 11 19 00-0163)*

22 11 19 00-0180 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).

22 11 19 00-0181	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,815.77	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0182	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,488.84	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-7,054.86*	

22 11 19 00-0183 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).

22 11 19 00-0184	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,468.79	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0185	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,577.20	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-8,143.22*	

22 11 19 00-0186 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

22 11 19 00-0187	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,862.86	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0188	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,231.47	330.07
		For Work In Restricted Working Space, Add	*130.20*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0189	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	8,190.57	488.99
		For Work In Restricted Working Space, Add	*195.49*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0190	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	12,418.67	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-11,141.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0191	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,410.69	1,060.87
		For Work In Restricted Working Space, Add	*575.02*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0192	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	36,497.82	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-34,216.38*	

22 11 19 00-0193 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0194	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,569.65	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0195	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,884.39	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0196	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,410.35	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-40,128.91*	

22 11 19 00-0197 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0198	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,290.08	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0199	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	8,010.27	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0200	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,690.83	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0201	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,545.87	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-13,268.26*	
22 11 19 00-0202	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,176.99	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0203	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	38,777.25	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-36,495.81*	

22 11 19 00-0204 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0205	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,338.67	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0206	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,776.46	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0207	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,389.04	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0208	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,685.29	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-7,407.68*	
22 11 19 00-0209	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,562.03	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0210	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	17,953.28	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-15,671.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0211		**N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0179)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0212	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,739.33	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0213	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,177.12	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-5,743.14*	
22 11 19 00-0214	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,729.58	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0215	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,603.47	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0216	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,369.17	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0217	EA	10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	26,618.99	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-24,337.55*	
22 11 19 00-0218		**Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves** *(22 11 19 00-0179)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0219	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,060.09	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0220	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,510.54	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0221	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,135.63	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0222	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,486.22	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-7,208.61*	
22 11 19 00-0223	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	16,370.18	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0224	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	18,488.93	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-16,207.49*	
22 11 19 00-0225		**N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0179)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0226	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,343.30	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0227	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,781.08	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0228	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,334.04	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0229	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,182.18	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0230	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	21,731.50	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0231	EA	10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	25,979.45	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-23,698.01*	
22 11 19 00-0232		**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0179)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0233	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,718.95	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0234	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,156.74	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-4,722.76*	
22 11 19 00-0235	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,769.32	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0236	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,075.15	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0237	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,951.89	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-15,035.47*	

22 11 19 00-0238 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).

22 11 19 00-0239	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,119.61	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0240	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,557.39	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0241	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,109.86	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0242	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	12,993.41	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0243	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,951.89	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-15,035.47*	

22 11 19 00-0244 Grooved Double Check Valve Assemblies *(22 11 19 00-0163)*

22 11 19 00-0245 Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0244)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).

22 11 19 00-0246	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,060.09	156.48
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0247	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,510.54	173.59
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-4,076.56*	

22 11 19 00-0248 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0244)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).

22 11 19 00-0249	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,343.30	156.48
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0250	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,781.08	173.59
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-5,347.10*	

22 11 19 00-0251 Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0162)*

22 11 19 00-0252 Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0251)*

22 11 19 00-0253 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

22 11 19 00-0254	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	559.80	30.80
		For Work In Restricted Working Space, Add	*23.10*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0255	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	591.20	33.99
		For Work In Restricted Working Space, Add	*25.49*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0256	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	688.62	35.58
		For Work In Restricted Working Space, Add	*26.69*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0257	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	924.78	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0258	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,097.20	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-943.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0259	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,658.82	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0260	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,753.63	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0261	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,103.87	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0262 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0263	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	618.24	30.80
		For Work In Restricted Working Space, Add	*23.10*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0264	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	652.79	33.99
		For Work In Restricted Working Space, Add	*25.49*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0265	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	773.03	50.45
		For Work In Restricted Working Space, Add	*26.69*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0266	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,057.44	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0267	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,263.07	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0268	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,885.03	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0269	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,072.86	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0270	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,495.53	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0271 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0272	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	924.78	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0273	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,097.20	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0274	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,658.82	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0275	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,753.63	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0276	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	2,103.87	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0277 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0278	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,057.44	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0279	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,263.07	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-1,109.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0280	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,885.03	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0281	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,072.86	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0282	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,495.53	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0283 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0284	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,910.06	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0285	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,260.79	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0286	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,479.81	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0287	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,761.81	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0288	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,363.47	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-4,097.93*	

22 11 19 00-0289 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0290	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,573.18	50.45
		For Work In Restricted Working Space, Add	*37.84*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0291	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,058.75	61.61
		For Work In Restricted Working Space, Add	*46.20*	
		For Owner Furnished Material, Deduct	*-2,904.74*	
22 11 19 00-0292	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,664.29	71.70
		For Work In Restricted Working Space, Add	*53.77*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0293	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,094.95	82.32
		For Work In Restricted Working Space, Add	*61.34*	
		For Owner Furnished Material, Deduct	*-4,890.49*	
22 11 19 00-0294	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,051.60	106.21
		For Work In Restricted Working Space, Add	*79.66*	
		For Owner Furnished Material, Deduct	*-5,786.06*	

22 11 19 00-0295 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0251)*

22 11 19 00-0296 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0297	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,268.34	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0298	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	7,063.24	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

22 11 19 00-0299 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0300	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,473.66	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0301	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,463.49	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 19 00-0302 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

22 11 19 00-0303	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,729.68	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0304	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,829.96	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-7,395.98*	

22 11 19 00-0305 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

22 11 19 00-0306	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,473.66	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0307	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,463.49	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0308 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).

22 11 19 00-0309	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,297.24	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0310	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,602.21	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-9,168.23*	

22 11 19 00-0311 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).

22 11 19 00-0312	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,769.59	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0313	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,235.40	330.07
		For Work In Restricted Working Space, Add	*130.20*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0314	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,404.62	488.99
		For Work In Restricted Working Space, Add	*195.49*	
		For Owner Furnished Material, Deduct	*-14,752.98*	
22 11 19 00-0315	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,224.37	707.25
		For Work In Restricted Working Space, Add	*536.63*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0316	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,531.26	1,060.87
		For Work In Restricted Working Space, Add	*804.95*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0317	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	49,761.45	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-47,480.01*	

22 11 19 00-0318 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).

22 11 19 00-0319	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,606.17	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-11,215.00*	
22 11 19 00-0320	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,115.83	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0321	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,754.46	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0322	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,254.05	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-23,976.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0323	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,901.44	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-38,985.02*	
22 11 19 00-0324	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	55,520.80	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-53,239.36*	

22 11 19 00-0325 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0326	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,458.34	293.40
		For Work In Restricted Working Space, Add	*117.35*	
		For Owner Furnished Material, Deduct	*-11,067.17*	
22 11 19 00-0327	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	13,024.87	330.07
		For Work In Restricted Working Space, Add	*130.20*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0328	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,385.77	488.99
		For Work In Restricted Working Space, Add	*195.49*	
		For Owner Furnished Material, Deduct	*-15,734.13*	
22 11 19 00-0329	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	24,143.48	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0330	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	40,155.51	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0331	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	52,925.01	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0332 Double Check Detector Assemblies *(22 11 19 00-0162)*

22 11 19 00-0333 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0332)*

22 11 19 00-0334 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0333)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0335	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,593.52	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0336	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	9,000.45	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-8,348.87*	
22 11 19 00-0337	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,118.91	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0338	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	21,512.69	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0339	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	29,062.93	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0340 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0333)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0341	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,436.06	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-6,044.87*	
22 11 19 00-0342	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,873.42	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0343	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,495.34	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-6,843.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0344	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,164.16	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-8,886.55*	
22 11 19 00-0345	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,979.66	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-16,063.24*	
22 11 19 00-0346	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,201.79	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-18,920.35*	
22 11 19 00-0347		**Double Check Detector Assembly With Butterfly Valves And Meter** *(22 11 19 00-0333)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0348	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,816.42	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-6,425.23*	
22 11 19 00-0349	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,253.78	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0350	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,875.62	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0351	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,554.02	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-9,276.41*	
22 11 19 00-0352	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,511.91	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-15,595.49*	
22 11 19 00-0353		**Flanged Double Check Detector Assemblies Without Meter** *(22 11 19 00-0332)*		
22 11 19 00-0354		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter** *(22 11 19 00-0353)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0355	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,315.97	293.40
		For Work In Restricted Working Space, Add	*117.36*	
22 11 19 00-0356	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,753.38	330.07
		For Work In Restricted Working Space, Add	*130.19*	
22 11 19 00-0357	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,375.30	488.99
		For Work In Restricted Working Space, Add	*195.47*	
22 11 19 00-0358	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,044.12	707.25
		For Work In Restricted Working Space, Add	*383.28*	
22 11 19 00-0359	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,859.70	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
22 11 19 00-0360	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	21,081.66	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
22 11 19 00-0361		**Double Check Detector Assembly With Butterfly Valves Less Meter** *(22 11 19 00-0353)*		
		Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0362	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,696.29	293.40
		For Work In Restricted Working Space, Add	*117.36*	
22 11 19 00-0363	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,133.66	330.07
		For Work In Restricted Working Space, Add	*130.19*	
22 11 19 00-0364	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,755.57	488.99
		For Work In Restricted Working Space, Add	*195.47*	
22 11 19 00-0365	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,433.90	707.25
		For Work In Restricted Working Space, Add	*383.28*	
22 11 19 00-0366	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,249.56	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0367		**Flanged Double Check Detector Assemblies** *(22 11 19 00-0332)*		
22 11 19 00-0368		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0367)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0369	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	6,098.67	293.40
		For Work In Restricted Working Space, Add	*117.36*	
		For Owner Furnished Material, Deduct	*-5,707.48*	
22 11 19 00-0370	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	7,381.87	330.07
		For Work In Restricted Working Space, Add	*130.19*	
		For Owner Furnished Material, Deduct	*-6,947.89*	
22 11 19 00-0371	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	8,189.38	488.99
		For Work In Restricted Working Space, Add	*195.47*	
		For Owner Furnished Material, Deduct	*-7,537.80*	
22 11 19 00-0372	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	10,299.31	707.25
		For Work In Restricted Working Space, Add	*383.28*	
		For Owner Furnished Material, Deduct	*-9,021.70*	
22 11 19 00-0373	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	18,224.05	1,060.87
		For Work In Restricted Working Space, Add	*574.93*	
		For Owner Furnished Material, Deduct	*-16,307.63*	
22 11 19 00-0374	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	24,568.32	1,254.80
		For Work In Restricted Working Space, Add	*684.43*	
		For Owner Furnished Material, Deduct	*-22,286.88*	
22 11 19 00-0375	EA	12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	32,790.07	1,505.75
		For Work In Restricted Working Space, Add	*821.32*	
		For Owner Furnished Material, Deduct	*-30,052.34*	
22 11 19 00-0376		**Backflow Preventer Accessories** *(22 11 19 00-0162)*		
22 11 19 00-0377		**Air Gap** *(22 11 19 00-0376)*		
22 11 19 00-0378	EA	Up To 1" Diameter Air Gap For Backflow Preventer	143.65	16.60
22 11 19 00-0379	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	176.78	19.92
22 11 19 00-0380	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	331.87	26.56
22 11 19 00-0381	EA	4" To 6" Diameter Air Gap For Backflow Preventer	656.41	46.47
22 11 19 00-0382	EA	8" To 10" Diameter Air Gap For Backflow Preventer	696.24	66.39
22 11 19 00-0383		**Brass Test Cocks** *(22 11 19 00-0376)*		
22 11 19 00-0384	EA	1/8" Or 1/4" Brass Test Cock	58.48	6.64
22 11 19 00-0385		**Backflow Valve Enclosures** *(22 11 19 00-0162)*		
22 11 19 00-0386		**Flip-Top, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0385)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0387	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,654.71	119.49
		For Heated Enclosure, Add	*203.40*	
22 11 19 00-0388	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,034.13	119.49
		For Heated Enclosure, Add	*260.31*	
22 11 19 00-0389	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,577.92	110.02
		For Heated Enclosure, Add	*345.43*	
22 11 19 00-0390	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,679.50	146.70
		For Heated Enclosure, Add	*346.91*	
22 11 19 00-0391	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,808.17	146.70
		For Heated Enclosure, Add	*366.21*	
22 11 19 00-0392	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,309.65	146.70
		For Heated Enclosure, Add	*441.44*	
22 11 19 00-0393	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,322.85	146.70
		For Heated Enclosure, Add	*443.42*	
22 11 19 00-0394	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,177.35	146.70
		For Heated Enclosure, Add	*571.59*	
22 11 19 00-0395	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	9,619.70	220.05
		For Heated Enclosure, Add	*1,360.44*	
22 11 19 00-0396	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,931.80	220.05
		For Heated Enclosure, Add	*2,007.25*	
22 11 19 00-0397	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,238.96	220.05
		For Heated Enclosure, Add	*1,903.33*	
22 11 19 00-0398	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	15,940.33	256.72
		For Heated Enclosure, Add	*2,294.78*	
22 11 19 00-0399		**One-Piece Drop Over, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0385)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0400	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	877.92	31.86
		For Heated Enclosure, Add	*164.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0401	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,227.64	31.86
		For Heated Enclosure, Add	*234.91*	
22 11 19 00-0402	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,546.75	29.34
		For Heated Enclosure, Add	*299.57*	
22 11 19 00-0403	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,345.16	29.34
		For Heated Enclosure, Add	*459.25*	
22 11 19 00-0404	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,083.09	55.01
		For Heated Enclosure, Add	*1,198.28*	
22 11 19 00-0405	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,316.67	55.01
		For Heated Enclosure, Add	*1,645.00*	
22 11 19 00-0406	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,528.82	55.01
		For Heated Enclosure, Add	*1,087.43*	
22 11 19 00-0407	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,261.25	55.01
		For Heated Enclosure, Add	*1,233.91*	
22 11 19 00-0408	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	9,814.52	55.01
		For Heated Enclosure, Add	*1,944.57*	

22 11 19 00-0409 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0385)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0410	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	12,466.94	220.05
		For Heated Enclosure, Add	*1,787.52*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0411	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	13,743.74	220.05
		For Heated Enclosure, Add	*1,979.04*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0412	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	9,774.77	220.05
		For Heated Enclosure, Add	*1,383.70*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0413	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	10,718.35	220.05
		For Heated Enclosure, Add	*1,525.23*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0414	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,475.45	293.40
		For Heated Enclosure, Add	*1,761.29*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0415	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,986.50	293.40
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0416	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,986.50	293.40
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0417	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	15,451.35	293.40
		For Heated Enclosure, Add	*2,207.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0418	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,605.14	256.72
		For Heated Enclosure, Add	*1,644.50*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0419	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	13,587.29	293.40
		For Heated Enclosure, Add	*1,928.07*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0420	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	15,873.66	293.40
		For Heated Enclosure, Add	*2,271.03*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0421	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	17,423.95	311.73
		For Heated Enclosure, Add	*2,496.69*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0422	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	17,803.36	311.73
		For Heated Enclosure, Add	*2,553.60*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0423	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	19,736.37	330.07
		For Heated Enclosure, Add	*2,836.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0424	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	20,491.89	330.07
		For Heated Enclosure, Add	*2,950.01*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0425	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,883.89	293.40
		For Heated Enclosure, Add	*2,122.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0426	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	15,863.76	293.40
		For Heated Enclosure, Add	*2,269.54*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0427	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	17,948.52	311.73
		For Heated Enclosure, Add	*2,575.38*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0428	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	21,748.90	330.07
		For Heated Enclosure, Add	*3,138.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0429	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,980.84	330.07
		For Heated Enclosure, Add	*2,723.35*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0430	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	22,804.30	348.41
		For Heated Enclosure, Add	*3,289.99*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0431	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	22,048.78	348.41
		For Heated Enclosure, Add	*3,176.66*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0432	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	25,535.71	366.74
		For Heated Enclosure, Add	*3,692.83*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0433	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	23,605.66	366.74
		For Heated Enclosure, Add	*3,403.32*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0434	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	27,541.31	385.08
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0435	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,587.15	403.42
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0436	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	32,697.30	421.76
		For Heated Enclosure, Add	*4,746.44*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

22 11 19 00-0437 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0438 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0437)*

22 11 19 00-0439	EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	71.26	13.28
22 11 19 00-0440	EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	82.42	14.61
22 11 19 00-0441	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	20.99	9.96

22 11 19 00-0442 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0437)*

22 11 19 00-0443	EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	235.90	40.62

22 11 19 00-0444 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0437)*

22 11 19 00-0445	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	149.71	33.19
22 11 19 00-0446	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	162.62	36.78
22 11 19 00-0447	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	172.21	38.90
22 11 19 00-0448	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	181.79	41.69
22 11 19 00-0449	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	191.52	44.21

22 11 19 00-0450 Escutcheons *(22 11 19)*

22 11 19 00-0451 Brass Escutcheons *(22 11 19 00-0450)*

22 11 19 00-0452 Shallow Brass Escutcheons *(22 11 19 00-0451)*

22 11 19 00-0453	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	14.29	3.32
22 11 19 00-0454	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	15.34	3.32

22 11 19 00-0455 Deep Bell Brass Escutcheons *(22 11 19 00-0451)*

22 11 19 00-0456	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.71	3.72
22 11 19 00-0457	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.75	3.72

22 11 19 00-0458 Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0451)*

22 11 19 00-0459	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.40	3.32
22 11 19 00-0460	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.65	3.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0461	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.02	3.32
22 11 19 00-0462	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.38	3.32
22 11 19 00-0463	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.80	3.98
22 11 19 00-0464	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.13	3.98
22 11 19 00-0465	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	29.16	4.39
22 11 19 00-0466	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	30.51	4.65
22 11 19 00-0467	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	43.67	5.31
22 11 19 00-0468		**Plastic Escutcheons** *(22 11 19 00-0450)*		
22 11 19 00-0469		**Split-Ring White Plastic Escutcheons** *(22 11 19 00-0468)*		
22 11 19 00-0470	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	8.11	3.30
22 11 19 00-0471	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	8.11	3.30
22 11 19 00-0472	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	9.47	3.70
22 11 19 00-0473	EA	1" IPS, Split-Ring White Plastic Escutcheon	10.26	3.97
22 11 19 00-0474	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	11.05	4.36
22 11 19 00-0475	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.81	4.63
22 11 19 00-0476	EA	2" IPS, Split-Ring White Plastic Escutcheon	13.30	5.29
22 11 19 00-0477	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	17.10	5.68
22 11 19 00-0478	EA	3" IPS, Split-Ring White Plastic Escutcheon	20.91	5.94
22 11 19 00-0479	EA	4" IPS, Split-Ring White Plastic Escutcheon	25.35	6.61
22 11 19 00-0480		**Chrome Plate Plastic Escutcheons** *(22 11 19 00-0468)*		
22 11 19 00-0481	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	10.68	3.30
22 11 19 00-0482	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	11.67	3.70
22 11 19 00-0483	EA	1" IPS, Chrome Plate Plastic Escutcheon	13.10	3.97
22 11 19 00-0484	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	14.53	4.36
22 11 19 00-0485	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	15.31	4.63
22 11 19 00-0486	EA	2" IPS, Chrome Plate Plastic Escutcheon	19.26	5.29
22 11 19 00-0487	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	27.84	5.68
22 11 19 00-0488	EA	3" IPS, Chrome Plate Plastic Escutcheon	28.84	5.94
22 11 19 00-0489	EA	4" IPS, Chrome Plate Plastic Escutcheon	30.81	6.61
22 11 19 00-0490		**Stainless Steel Escutcheons** *(22 11 19 00-0450)*		
22 11 19 00-0491		**Shallow Stainless Steel Escutcheons** *(22 11 19 00-0490)*		
22 11 19 00-0492	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	19.86	3.32
22 11 19 00-0493	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	19.86	3.32
22 11 19 00-0494	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	28.08	3.72
22 11 19 00-0495		**Chrome Plated Steel Escutcheons** *(22 11 19 00-0450)*		
22 11 19 00-0496		**Split-Ring Chrome Plated Steel Escutcheons** *(22 11 19 00-0495)*		
22 11 19 00-0497	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.38	3.30
22 11 19 00-0498	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.04	3.70
22 11 19 00-0499	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.85	3.97
22 11 19 00-0500	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.51	4.36
22 11 19 00-0501	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.18	4.63
22 11 19 00-0502	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.72	5.29
22 11 19 00-0503	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.57	5.68
22 11 19 00-0504	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.66	5.94
22 11 19 00-0505	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.94	6.34
22 11 19 00-0506	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.35	6.61
22 11 19 00-0507	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	26.20	7.27
22 11 19 00-0508	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	30.54	7.93
22 11 19 00-0509		**Split-Ring/Springs Chrome Plated Steel Escutcheons** *(22 11 19 00-0495)*		
22 11 19 00-0510	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.73	3.30
22 11 19 00-0511	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.73	3.30
22 11 19 00-0512	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.55	3.70
22 11 19 00-0513	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.41	3.97
22 11 19 00-0514	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.01	4.36
22 11 19 00-0515	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.89	4.63
22 11 19 00-0516	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.82	5.29
22 11 19 00-0517	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	21.63	5.68
22 11 19 00-0518	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	26.40	5.94
22 11 19 00-0519	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	32.40	6.34
22 11 19 00-0520	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	32.89	6.61
22 11 19 00-0521	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	54.16	7.27
22 11 19 00-0522	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	56.56	7.93
22 11 19 00-0523		**Deep Bell Chrome Plated Steel Escutcheons** *(22 11 19 00-0495)*		
22 11 19 00-0524	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.03	3.72
22 11 19 00-0525	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.91	3.72
22 11 19 00-0526	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.64	3.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0527	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.59	3.98
22 11 19 00-0528	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.41	4.39
22 11 19 00-0529	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	11.45	4.65
22 11 19 00-0530		Shallow Chrome Plated Steel Escutcheons *(22 11 19 00-0495)*		
22 11 19 00-0531	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	8.13	3.32
22 11 19 00-0532	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	8.13	3.32
22 11 19 00-0533	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.26	3.32
22 11 19 00-0534	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	8.83	3.98
22 11 19 00-0535	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	9.55	4.39
22 11 19 00-0536	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	10.58	4.65
22 11 19 00-0537	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	11.99	5.31
22 11 19 00-0538		Keyed, Recessed Valve Boxes *(22 11 19)*		
22 11 19 00-0539	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	378.60	39.64
22 11 19 00-0540	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	421.36	39.64
22 11 19 00-0541	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	485.51	39.64
22 11 19 00-0542	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	469.18	52.86
22 11 19 00-0543	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	533.32	52.86
22 11 19 00-0544	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	552.56	52.86
22 11 19 00-0545	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	447.02	39.64
22 11 19 00-0546	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	541.10	39.64
22 11 19 00-0547	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	624.48	39.64
22 11 19 00-0548	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	588.91	52.86
22 11 19 00-0549	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	672.30	52.86
22 11 19 00-0550	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	704.37	52.86

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001		Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,896.58	391.19
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,475.79	525.66
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,176.52	660.14
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,816.50	794.61
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,793.14	929.08
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	23,073.58	1,063.56
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	24,624.92	1,198.03
22 11 23 13-0009		Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	45,102.96	1,587.31
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	54,492.03	1,686.52
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	63,919.81	1,785.72
22 11 23 13-0013		Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	59,671.65	1,686.52
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	74,527.40	1,785.72
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	92,807.30	1,984.14
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	117,821.47	2,182.55
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	142,835.64	2,380.97
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	166,471.02	2,678.59
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	190,106.41	2,976.21
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	213,741.81	3,273.83
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	237,625.21	3,670.66
22 11 23 13-0023		Variable Speed Duplex Domestic Water Pressure Booster Skid *(22 11 23 13)* Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	43,326.17	1,726.10
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	45,328.79	1,726.10
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	48,190.30	1,726.10
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	52,315.14	1,726.10
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	49,336.29	1,833.99
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	52,937.09	1,833.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	57,827.32	1,833.99
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	61,802.12	1,833.99
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	53,922.17	1,941.87
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	57,477.31	1,941.87
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	65,426.92	1,941.87
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	78,769.04	1,941.87
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	56,977.20	1,941.87
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	64,228.83	1,941.87
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	80,191.10	1,941.87
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	79,730.12	1,941.87
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	95,129.38	2,157.63
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	65,231.38	2,157.63
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	79,767.25	2,157.63
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	79,308.45	2,157.63
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	95,842.59	2,157.63
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	116,066.68	2,157.63
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	54,876.58	1,726.10

22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	54,876.58	1,726.10
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	61,438.92	1,726.10
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	67,101.06	1,726.10
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	61,708.62	1,833.99
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	67,331.62	1,833.99
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	63,021.96	1,833.99
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	67,855.65	1,833.99
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	74,502.79	1,833.99
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	80,012.72	1,833.99
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	63,609.12	1,941.87
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	68,442.81	1,941.87
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	75,087.78	1,941.87
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	80,597.71	1,941.87
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	69,045.12	1,941.87
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	73,687.47	1,941.87
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	85,157.43	1,941.87
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	103,874.66	1,941.87
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	70,532.57	2,157.63
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	75,177.09	2,157.63
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	86,647.05	2,157.63
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	105,362.11	2,157.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	74,424.75	2,157.63
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	84,848.82	2,157.63
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	107,493.02	2,157.63
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	109,686.99	2,157.63
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	135,973.31	2,157.63
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	84,320.76	2,589.16
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	101,500.69	2,589.16
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	108,015.20	2,589.16
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	130,361.50	2,589.16
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	161,631.55	2,589.16

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,207.60	220.05
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,239.81	220.05
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,297.64	224.32
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,430.24	233.49
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,565.94	242.16
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,737.37	242.16
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,092.49	266.63
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,267.44	292.92
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,167.05	322.27
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,280.77	354.69
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,775.02	389.55
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	8,277.74	428.68
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,536.19	449.48

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,257.89	220.05
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,106.30	220.05
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,115.15	224.32
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,151.73	229.22
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,160.28	233.49
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,200.92	242.16
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,690.72	266.63
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,471.94	322.27
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,657.58	354.69
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,269.63	389.55
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,763.85	428.68
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,739.64	449.48
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,049.34	472.10
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,502.71	518.94
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,144.09	550.38
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,052.93	611.53
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,600.99	733.96
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	12,248.42	856.51

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	45,105.87	10,084.65
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	51,457.64	10,084.65
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	93,231.61	15,562.76
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	120,323.80	20,169.32

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	54,515.89	10,084.65
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	76,629.44	10,084.65
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	114,087.48	15,562.76
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	164,787.31	20,169.32

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13		**Facility Steel, Indoor Potable-Water Storage Pressure Tanks** *(22 12 23)*		
22 12 23 13-0001		Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*		
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,890.79	488.99
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,581.16	611.24
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,621.22	672.36
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	7,322.57	733.49
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	14,562.33	794.61
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	12,543.58	855.73
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	21,546.14	916.86
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	19,852.14	977.98
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	21,566.96	1,039.10
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	25,700.24	1,100.23
22 12 23 13-0012		Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*		
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,472.06	488.99
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,760.54	611.24
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,955.27	672.36
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,363.79	733.49
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,251.17	733.49
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,676.32	794.61
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,472.50	855.73
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,967.05	855.73
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	9,092.71	855.73
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	12,448.05	916.86
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	13,504.24	977.98
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	15,680.80	1,039.10
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	29,444.08	1,100.23
22 12 23 26		**Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks** *(22 12 23)*		
22 12 23 26-0001		Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*		
		Note: Excludes excavation and backfill.		
22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	782.98	275.06
		For Saddle Assembly, Add	*872.33*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	917.14	320.90
		For Saddle Assembly, Add	*872.33*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,087.80	366.74
		For Saddle Assembly, Add	*996.48*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,324.20	412.59
		For Saddle Assembly, Add	*1,480.91*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,587.37	458.43
		For Two Tie Down Bands, Add	*502.00*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,027.69	606.26
		For Two Tie Down Bands, Add	*536.08*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,032.12	707.30
		For Three Tie Down Bands, Add	*913.66*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,376.25	808.35
		For Three Tie Down Bands, Add	*920.97*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,462.79	909.39
		For Four Tie Down Bands, Add	*1,247.42*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,399.51	1,010.44
		For Four Tie Down Bands, Add	*1,744.02*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,150.00	1,111.48
		For Four Tie Down Bands, Add	*2,289.30*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,599.24	1,212.53
		For Four Tie Down Bands, Add	*2,474.31*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,225.56	1,616.70
		For Four Tie Down Bands, Add	*2,795.64*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,699.58	1,616.70
		For Five Tie Down Bands, Add	*4,383.07*	
22 12 23 26-0016		Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*		
22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	856.55	366.74
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	1,030.73	389.66
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,131.89	412.59
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,370.72	458.43
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,563.56	550.12
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,846.47	641.80
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,548.09	808.35
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,299.53	1,010.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,435.60	1,212.53
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,800.47	1,414.61
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,535.88	1,616.70
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,558.52	1,818.79
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	13,103.53	2,020.88
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,439.22	2,222.96
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	16,636.63	2,425.05
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	18,792.65	2,627.14
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	23,261.28	2,829.23
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	27,987.17	3,233.40

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,089.51
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,405.28
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	998.70
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	639.51
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	753.09
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	970.27
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,024.39
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	620.49
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	998.70
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,033.23
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	972.08
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,089.51
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,703.27
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,054.98

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,402.32
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,883.54
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,212.29
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	756.31
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,029.81
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,088.46
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	718.31
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,224.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,084.12	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,053.58	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,402.32	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	700.60	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	941.77	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	606.74	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	378.76	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	514.92	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	544.21	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	389.72	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	611.65	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	542.06	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	527.38	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	692.02	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	690.12	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	766.54	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	654.36	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	395.41	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	463.54	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	628.45	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	637.89	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	390.91	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	654.36	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	694.51	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	640.91	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	689.97	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,066.22	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	664.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0056		**Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	842.15	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,003.71	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	732.04	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	441.21	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	645.78	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	674.81	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	429.28	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	742.91	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	714.46	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	687.18	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	842.15	
22 13 13 00-0068		**Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	420.57	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	501.26	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	366.38	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	220.66	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	322.87	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	337.10	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	214.62	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	371.35	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	357.28	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	344.12	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	412.47	
22 13 16		**Sanitary Waste and Vent Piping** *(22 13)*		
22 13 16 00-0001		**Cast Iron Soil Pipe Assemblies** *(22 13 16)*		
22 13 16 00-0002		**Underground Bell And Spigot Cast Iron Soil Pipe Assemblies** *(22 13 16 00-0001)* Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	35.76	7.70
		For Work In Restricted Working Space, Add	*5.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0004	LF	3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	50.90	11.61
		For Work In Restricted Working Space, Add	*7.67*	
22 13 16 00-0005	LF	4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	65.98	14.79
		For Work In Restricted Working Space, Add	*9.86*	
22 13 16 00-0006	LF	5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	76.09	17.79
		For Work In Restricted Working Space, Add	*10.01*	
22 13 16 00-0007	LF	6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	89.08	19.39
		For Work In Restricted Working Space, Add	*11.12*	
22 13 16 00-0008	LF	8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	140.58	27.66
		For Work In Restricted Working Space, Add	*15.66*	
22 13 16 00-0009	LF	10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	204.06	27.66
		For Work In Restricted Working Space, Add	*17.73*	
22 13 16 00-0010		**Aboveground No Hub Cast Iron Soil Pipe Assemblies** *(22 13 16 00-0001)* Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.55	7.34
		For Work In Restricted Working Space, Add	*6.44*	
22 13 16 00-0012	LF	2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	39.78	7.82
		For Work In Restricted Working Space, Add	*6.92*	
22 13 16 00-0013	LF	3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.10	11.37
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0014	LF	4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.72	14.79
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0015	LF	5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	80.09	17.45
		For Work In Restricted Working Space, Add	*11.84*	
22 13 16 00-0016	LF	6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	91.67	19.05
		For Work In Restricted Working Space, Add	*12.91*	
22 13 16 00-0017	LF	8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	144.50	27.43
		For Work In Restricted Working Space, Add	*17.86*	
22 13 16 00-0018	LF	10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	208.54	31.17
		For Work In Restricted Working Space, Add	*20.75*	
22 13 16 00-0019		**Bell And Spigot Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Diameter, Bell And Spigot Cast Iron Pipe	25.19	7.70
		For Extra Heavy Pipe, Add	*5.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.49*	
22 13 16 00-0022	LF	3" Diameter, Bell And Spigot Cast Iron Pipe	36.89	11.61
		For Extra Heavy Pipe, Add	*8.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.87*	
		For Work In Restricted Working Space, Add	*5.24*	
22 13 16 00-0023	LF	4" Diameter, Bell And Spigot Cast Iron Pipe	47.48	14.79
		For Extra Heavy Pipe, Add	*10.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.11*	
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0024	LF	5" Diameter, Bell And Spigot Cast Iron Pipe	62.27	17.79
		For Extra Heavy Pipe, Add	*14.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.33*	
		For Work In Restricted Working Space, Add	*7.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0025	LF	6" Diameter, Bell And Spigot Cast Iron Pipe	72.44	19.39
		For Extra Heavy Pipe, Add	*18.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.45*	
		For Work In Restricted Working Space, Add	*8.71*	
22 13 16 00-0026	LF	8" Diameter, Bell And Spigot Cast Iron Pipe	109.02	27.66
		For Extra Heavy Pipe, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.08*	
		For Work In Restricted Working Space, Add	*12.45*	
22 13 16 00-0027	LF	10" Diameter, Bell And Spigot Cast Iron Pipe	159.09	31.17
		For Extra Heavy Pipe, Add	*47.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.33*	
		For Work In Restricted Working Space, Add	*14.01*	
22 13 16 00-0028	LF	12" Diameter, Bell And Spigot Cast Iron Pipe	225.55	41.55
		For Extra Heavy Pipe, Add	*68.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.11*	
		For Work In Restricted Working Space, Add	*18.68*	
22 13 16 00-0029	LF	15" Diameter, Bell And Spigot Cast Iron Pipe	313.36	49.84
		For Extra Heavy Pipe, Add	*100.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.74*	
		For Work In Restricted Working Space, Add	*22.41*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	118.53	35.08
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	199.90	44.13
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	266.31	58.68
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.39*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	413.15	75.29
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.64*	
		For Work In Restricted Working Space, Add	*33.85*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	815.70	97.35
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.77*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,115.10	119.77
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.98*	
		For Work In Restricted Working Space, Add	*53.87*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,709.18	167.15
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.53*	
		For Work In Restricted Working Space, Add	*75.19*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,169.94	232.75
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.45*	
		For Work In Restricted Working Space, Add	*104.69*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	101.12	35.08
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	170.68	44.13
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	233.45	58.68
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.39*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	347.50	63.99
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.80*	
		For Work In Restricted Working Space, Add	*28.77*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	419.41	75.29
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.64*	
		For Work In Restricted Working Space, Add	*33.85*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	689.76	97.35
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	1,007.64	119.77
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.98*	
		For Work In Restricted Working Space, Add	*53.87*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,669.10	167.15
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.53*	
		For Work In Restricted Working Space, Add	*75.19*	
22 13 16 00-0049		**Bell And Spigot Cast Iron 1/4 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	91.23	34.96
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.62*	
		For Work In Restricted Working Space, Add	*15.74*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	136.52	39.36
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.95*	
		For Work In Restricted Working Space, Add	*17.72*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	194.88	52.45
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.93*	
		For Work In Restricted Working Space, Add	*23.58*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	241.80	57.15
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.28*	
		For Work In Restricted Working Space, Add	*25.69*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	290.83	68.44
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.81*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	601.22	89.65
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.72*	
		For Work In Restricted Working Space, Add	*40.31*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	885.41	108.79
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.15*	
		For Work In Restricted Working Space, Add	*48.92*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,166.52	128.40
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.63*	
		For Work In Restricted Working Space, Add	*57.76*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,974.17	202.52
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.18*	
		For Work In Restricted Working Space, Add	*91.07*	
22 13 16 00-0059		**Bell And Spigot Cast Iron 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	83.53	35.08
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	129.95	44.13
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	184.85	58.68
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.39*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	229.37	71.53
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.36*	
		For Work In Restricted Working Space, Add	*32.15*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	265.11	79.74
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.98*	
		For Work In Restricted Working Space, Add	*35.88*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	525.07	107.38
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.05*	
		For Work In Restricted Working Space, Add	*48.30*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	733.41	132.49
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.93*	
		For Work In Restricted Working Space, Add	*59.60*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,182.79	171.83
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.88*	
		For Work In Restricted Working Space, Add	*77.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,259.83	202.52
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.18*	
		For Work In Restricted Working Space, Add	*91.07*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	147.31	78.36
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.26*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	184.45	85.82
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	242.79	112.47
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.57*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	308.25	123.09
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.23*	
		For Work In Restricted Working Space, Add	*55.37*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	386.32	145.90
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.94*	
		For Work In Restricted Working Space, Add	*65.63*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	704.90	196.10
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.70*	
		For Work In Restricted Working Space, Add	*88.21*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	985.68	222.49
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.68*	
		For Work In Restricted Working Space, Add	*100.05*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,455.19	270.81
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.30*	
		For Work In Restricted Working Space, Add	*121.80*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,252.08	303.84
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.78*	
		For Work In Restricted Working Space, Add	*136.66*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	229.92	81.90
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.14*	
		For Work In Restricted Working Space, Add	*36.85*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	279.95	101.22
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.55*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	311.67	103.78
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.78*	
		For Work In Restricted Working Space, Add	*46.71*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	455.88	130.72
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.80*	
		For Work In Restricted Working Space, Add	*58.77*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	467.64	133.12
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.98*	
		For Work In Restricted Working Space, Add	*59.89*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	489.62	142.02
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.88*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	718.60	157.70
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.82*	
		For Work In Restricted Working Space, Add	*70.92*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	750.97	160.73
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.05*	
		For Work In Restricted Working Space, Add	*72.28*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	769.23	168.32
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	908.41	187.23
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.04*	
		For Work In Restricted Working Space, Add	*84.23*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,117.86	175.44
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.15*	
		For Work In Restricted Working Space, Add	*78.91*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,162.90	183.15
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.73*	
		For Work In Restricted Working Space, Add	*82.40*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,272.30	202.52
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.18*	
		For Work In Restricted Working Space, Add	*91.07*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,680.06	214.78
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.10*	
		For Work In Restricted Working Space, Add	*96.60*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,728.96	214.78
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.10*	
		For Work In Restricted Working Space, Add	*96.60*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,799.87	232.75
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.45*	
		For Work In Restricted Working Space, Add	*104.69*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,112.38	244.31
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.31*	
		For Work In Restricted Working Space, Add	*109.86*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,565.90	251.55
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.86*	
		For Work In Restricted Working Space, Add	*113.15*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,235.42	237.19
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.78*	
		For Work In Restricted Working Space, Add	*106.68*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,420.72	256.69
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.25*	
		For Work In Restricted Working Space, Add	*115.48*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,511.54	267.77
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.07*	
		For Work In Restricted Working Space, Add	*120.44*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,616.72	276.87
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.75*	
		For Work In Restricted Working Space, Add	*124.51*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,733.78	292.98
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.96*	
		For Work In Restricted Working Space, Add	*131.77*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	160.06	78.36
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.26*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	192.31	85.82
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	256.47	112.47
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.57*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	352.80	129.13
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.68*	
		For Work In Restricted Working Space, Add	*58.06*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	441.75	160.16
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.00*	
		For Work In Restricted Working Space, Add	*72.02*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	807.46	211.16
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.83*	
		For Work In Restricted Working Space, Add	*94.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,164.01	276.87
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.75*	
		For Work In Restricted Working Space, Add	*124.51*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,559.99	355.90
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.68*	
		For Work In Restricted Working Space, Add	*160.08*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	170.56	81.90
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.14*	
		For Work In Restricted Working Space, Add	*36.85*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	239.48	101.22
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.59*	
		For Work In Restricted Working Space, Add	*45.55*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	258.26	103.78
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.78*	
		For Work In Restricted Working Space, Add	*46.71*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	379.28	130.72
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.80*	
		For Work In Restricted Working Space, Add	*58.77*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	394.92	133.12
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.98*	
		For Work In Restricted Working Space, Add	*59.89*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	418.66	142.02
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.88*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	576.32	157.70
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.82*	
		For Work In Restricted Working Space, Add	*70.92*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	592.29	168.32
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.71*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	747.39	187.23
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.04*	
		For Work In Restricted Working Space, Add	*84.23*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	258.13	93.76
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	374.63	118.22
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.15*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	507.72	149.51
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.21*	
		For Work In Restricted Working Space, Add	*67.27*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	964.96	224.15
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.80*	
		For Work In Restricted Working Space, Add	*100.82*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,928.12	265.09
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.87*	
		For Work In Restricted Working Space, Add	*119.21*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,553.57	296.61
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.23*	
		For Work In Restricted Working Space, Add	*133.40*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,775.12	355.90
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.68*	
		For Work In Restricted Working Space, Add	*160.08*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,986.62	373.53
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*28.02*	
		For Work In Restricted Working Space, Add	*168.10*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	235.67	110.88
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.31*	
		For Work In Restricted Working Space, Add	*49.88*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	273.77	127.38
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.55*	
		For Work In Restricted Working Space, Add	*57.30*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	296.28	133.61
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.12*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	376.18	155.48
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.65*	
		For Work In Restricted Working Space, Add	*69.92*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	398.71	161.41
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.10*	
		For Work In Restricted Working Space, Add	*72.59*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	458.49	176.01
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.19*	
		For Work In Restricted Working Space, Add	*79.16*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	738.29	204.27
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.31*	
		For Work In Restricted Working Space, Add	*91.85*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	804.71	241.74
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.13*	
		For Work In Restricted Working Space, Add	*108.75*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	786.51	218.52
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.38*	
		For Work In Restricted Working Space, Add	*98.30*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	916.69	256.69
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.25*	
		For Work In Restricted Working Space, Add	*115.48*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,128.56	279.79
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.98*	
		For Work In Restricted Working Space, Add	*125.85*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,152.75	286.21
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.46*	
		For Work In Restricted Working Space, Add	*128.75*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,471.96	311.43
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*23.35*	
		For Work In Restricted Working Space, Add	*140.07*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	215.97	93.76
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	290.82	125.42
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.40*	
		For Work In Restricted Working Space, Add	*56.42*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	379.69	156.84
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.75*	
		For Work In Restricted Working Space, Add	*70.53*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	823.86	250.50
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.78*	
		For Work In Restricted Working Space, Add	*112.68*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	287.84	112.47
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.57*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	341.28	127.38
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.55*	
		For Work In Restricted Working Space, Add	*57.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	383.08	141.81
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.63*	
		For Work In Restricted Working Space, Add	*63.76*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	758.73	186.85
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.01*	
		For Work In Restricted Working Space, Add	*84.05*	
22 13 16 00-0155		**Bell And Spigot Cast Iron Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	176.45	78.48
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.30*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	200.48	85.82
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	321.11	105.13
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.89*	
		For Work In Restricted Working Space, Add	*47.31*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	461.69	113.84
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.54*	
		For Work In Restricted Working Space, Add	*51.23*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	553.85	136.55
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.24*	
		For Work In Restricted Working Space, Add	*61.42*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,187.84	179.18
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.43*	
		For Work In Restricted Working Space, Add	*80.59*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,783.51	218.52
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.38*	
		For Work In Restricted Working Space, Add	*98.30*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,659.09	256.69
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.25*	
		For Work In Restricted Working Space, Add	*115.48*	
22 13 16 00-0164		**Bell And Spigot Cast Iron Reducing Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	235.50	81.90
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.14*	
		For Work In Restricted Working Space, Add	*36.85*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	278.76	95.96
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.19*	
		For Work In Restricted Working Space, Add	*43.15*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	291.76	95.96
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.19*	
		For Work In Restricted Working Space, Add	*43.15*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	438.55	130.72
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.80*	
		For Work In Restricted Working Space, Add	*58.77*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	456.50	133.12
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.98*	
		For Work In Restricted Working Space, Add	*59.89*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	495.19	142.02
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.88*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	842.89	168.32
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.71*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,057.59	187.23
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.04*	
		For Work In Restricted Working Space, Add	*84.23*	
22 13 16 00-0173		**Bell And Spigot Cast Iron Vent Tees** *(22 13 16 00-0030)*		
22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	151.89	78.36
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	188.47	85.82
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	249.60	112.47
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.57*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	314.42	129.13
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.68*	
		For Work In Restricted Working Space, Add	*58.06*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	395.82	160.16
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.00*	
		For Work In Restricted Working Space, Add	*72.02*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	678.96	211.16
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.83*	
		For Work In Restricted Working Space, Add	*94.96*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	155.92	78.36
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.26*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	172.07	85.82
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	222.05	112.47
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.57*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	158.46	78.36
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.88*	
		For Work In Restricted Working Space, Add	*35.26*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	176.90	85.82
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	234.18	112.47
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.57*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	87.81	44.13
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	110.04	58.19
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.37*	
		For Work In Restricted Working Space, Add	*26.20*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	117.48	58.68
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.39*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	146.61	69.13
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.11*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	153.29	70.04
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	158.18	71.53
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.36*	
		For Work In Restricted Working Space, Add	*32.15*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	204.66	73.69
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.15*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	231.47	90.93
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	237.55	93.26
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.99*	
		For Work In Restricted Working Space, Add	*41.96*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	245.38	97.35
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.77*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	306.20	109.26
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.19*	
		For Work In Restricted Working Space, Add	*49.15*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	322.82	114.74
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.61*	
		For Work In Restricted Working Space, Add	*51.63*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	343.92	119.77
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.98*	
		For Work In Restricted Working Space, Add	*53.87*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	426.97	129.80
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.73*	
		For Work In Restricted Working Space, Add	*58.36*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	476.35	151.86
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.39*	
		For Work In Restricted Working Space, Add	*68.33*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	515.35	172.98
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.97*	
		For Work In Restricted Working Space, Add	*77.82*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	564.76	199.26
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.94*	
		For Work In Restricted Working Space, Add	*89.62*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	736.90	199.26
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.94*	
		For Work In Restricted Working Space, Add	*89.62*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	784.14	214.78
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.10*	
		For Work In Restricted Working Space, Add	*96.60*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	816.56	226.46
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.98*	
		For Work In Restricted Working Space, Add	*101.87*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	860.49	241.74
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.13*	
		For Work In Restricted Working Space, Add	*108.75*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	89.72	35.08
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	120.12	44.13
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	163.65	58.68
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.39*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	258.21	63.99
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.80*	
		For Work In Restricted Working Space, Add	*28.77*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	346.57	75.29
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.64*	
		For Work In Restricted Working Space, Add	*33.85*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	769.85	97.35
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.77*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	853.66	119.77
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.98*	
		For Work In Restricted Working Space, Add	*53.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0218		**Bell And Spigot Cast Iron Deep Seal P-Traps** *(22 13 16 00-0030)*		
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	103.83	35.08
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	147.85	44.13
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	215.21	58.68
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.39*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	351.00	71.53
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.36*	
		For Work In Restricted Working Space, Add	*32.15*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	372.53	79.74
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.98*	
		For Work In Restricted Working Space, Add	*35.88*	
22 13 16 00-0224		**Bell And Spigot Cast Iron Running Traps With Single Vent** *(22 13 16 00-0030)*		
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	239.61	84.72
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	319.58	111.37
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.57*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	428.24	124.23
		For Above Ground Cast Iron Pipe Installation, Add	*9.39*	
		For Work In Restricted Working Space, Add	*56.34*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	860.15	140.77
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.88*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,821.86	166.46
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.71*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,055.41	185.72
		For Above Ground Cast Iron Pipe Installation, Add	*14.04*	
		For Work In Restricted Working Space, Add	*84.23*	
22 13 16 00-0231		**Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)*		
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	306.78	116.99
		For Above Ground Cast Iron Pipe Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.15*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	418.64	147.67
		For Above Ground Cast Iron Pipe Installation, Add	*11.21*	
		For Work In Restricted Working Space, Add	*67.27*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	958.90	173.96
		For Above Ground Cast Iron Pipe Installation, Add	*13.19*	
		For Work In Restricted Working Space, Add	*79.16*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,112.21	210.57
		For Above Ground Cast Iron Pipe Installation, Add	*15.95*	
		For Work In Restricted Working Space, Add	*95.73*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	3,039.49	201.83
		For Above Ground Cast Iron Pipe Installation, Add	*15.31*	
		For Work In Restricted Working Space, Add	*91.85*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,335.44	239.64
		For Above Ground Cast Iron Pipe Installation, Add	*18.13*	
		For Work In Restricted Working Space, Add	*108.75*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,436.01	276.52
		For Above Ground Cast Iron Pipe Installation, Add	*20.98*	
		For Work In Restricted Working Space, Add	*125.85*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,139.46	319.72
		For Above Ground Cast Iron Pipe Installation, Add	*24.22*	
		For Work In Restricted Working Space, Add	*145.30*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,950.07	369.79
		For Above Ground Cast Iron Pipe Installation, Add	*28.03*	
		For Work In Restricted Working Space, Add	*168.16*	
22 13 16 00-0241		**Bell And Spigot Cast Iron Scission Joint Fittings** *(22 13 16 00-0030)*		
22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	185.01	
		For Above Ground Cast Iron Pipe Installation, Add	*2.62*	
		For Work In Restricted Working Space, Add	*15.74*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	255.06	
		For Above Ground Cast Iron Pipe Installation, Add	*2.95*	
		For Work In Restricted Working Space, Add	*17.68*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	294.64	
		For Above Ground Cast Iron Pipe Installation, Add	*3.95*	
		For Work In Restricted Working Space, Add	*23.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	363.79	
		For Above Ground Cast Iron Pipe Installation, Add	*4.58*	
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	441.79	
		For Above Ground Cast Iron Pipe Installation, Add	*5.54*	
		For Work In Restricted Working Space, Add	*33.23*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	836.14	
		For Above Ground Cast Iron Pipe Installation, Add	*7.00*	
		For Work In Restricted Working Space, Add	*42.00*	
22 13 16 00-0248		**Cut And Prepare Existing In-Place Cast Iron Pipe** *(22 13 16 00-0019)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe	14.61	
		For Above Ground Cast Iron Pipe Installation, Add	*0.73*	
		For Work In Restricted Working Space, Add	*4.38*	
22 13 16 00-0250	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe	15.94	
		For Above Ground Cast Iron Pipe Installation, Add	*0.80*	
		For Work In Restricted Working Space, Add	*4.78*	
22 13 16 00-0251	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe	19.92	
		For Above Ground Cast Iron Pipe Installation, Add	*1.00*	
		For Work In Restricted Working Space, Add	*5.98*	
22 13 16 00-0252	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe	23.90	
		For Above Ground Cast Iron Pipe Installation, Add	*1.20*	
		For Work In Restricted Working Space, Add	*7.17*	
22 13 16 00-0253	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe	31.86	
		For Above Ground Cast Iron Pipe Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0254	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe	37.17	
		For Above Ground Cast Iron Pipe Installation, Add	*1.86*	
		For Work In Restricted Working Space, Add	*11.15*	
22 13 16 00-0255	EA	Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe	43.81	
		For Above Ground Cast Iron Pipe Installation, Add	*2.19*	
		For Work In Restricted Working Space, Add	*13.14*	
22 13 16 00-0256	EA	Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe	50.45	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0257		**Joint Material** *(22 13 16 00-0019)*		
		Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.73	
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	11.94	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.68	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.40	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99	
22 13 16 00-0268		**No Hub Cast Iron Soil Pipe And Fittings** *(22 13 16)*		
		Note: Service Weight. Excludes hangers.		
22 13 16 00-0269		**No Hub Cast Iron Pipe** *(22 13 16 00-0268)*		
		Note: Excludes couplings.		
22 13 16 00-0270	LF	1-1/2" Diameter, No Hub Cast Iron Pipe	21.96	7.34
		For Below Ground Installation, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.30*	
22 13 16 00-0271	LF	2" Diameter, No Hub Cast Iron Pipe	23.31	7.82
		For Below Ground Installation, Add	*0.59*	
		For Work In Restricted Working Space, Add	*3.55*	
22 13 16 00-0272	LF	3" Diameter, No Hub Cast Iron Pipe	33.01	11.37
		For Below Ground Installation, Add	*0.86*	
		For Work In Restricted Working Space, Add	*5.13*	
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe	42.82	14.79
		For Below Ground Installation, Add	*1.11*	
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe	54.88	17.45
		For Below Ground Installation, Add	*1.31*	
		For Work In Restricted Working Space, Add	*7.85*	
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe	64.02	19.05
		For Below Ground Installation, Add	*1.43*	
		For Work In Restricted Working Space, Add	*8.56*	
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe	97.90	27.43
		For Below Ground Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.32*	
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe	140.94	31.17
		For Below Ground Installation, Add	*2.33*	
		For Work In Restricted Working Space, Add	*14.01*	
22 13 16 00-0278		**No Hub Cast Iron Fittings** *(22 13 16 00-0268)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	77.12	33.25
		For Below Ground Installation, Add	*2.49*	
		For Work In Restricted Working Space, Add	*14.97*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	79.92	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	94.60	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	130.99	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	182.30	57.60
		For Below Ground Installation, Add	*4.32*	
		For Work In Restricted Working Space, Add	*25.90*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	216.15	68.67
		For Below Ground Installation, Add	*5.15*	
		For Work In Restricted Working Space, Add	*30.91*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	442.69	88.95
		For Below Ground Installation, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.02*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	123.41	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	185.90	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	74.13	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	90.02	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	128.59	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	183.20	57.60
		For Below Ground Installation, Add	*4.32*	
		For Work In Restricted Working Space, Add	*25.90*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	202.09	68.67
		For Below Ground Installation, Add	*5.15*	
		For Work In Restricted Working Space, Add	*30.91*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	400.19	88.95
		For Below Ground Installation, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.02*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	656.02	124.55
		For Below Ground Installation, Add	*9.34*	
		For Work In Restricted Working Space, Add	*56.03*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	67.05	33.25
		For Below Ground Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.97*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	70.15	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	83.55	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	114.30	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	165.45	57.60
		For Below Ground Installation, Add	*4.32*	
		For Work In Restricted Working Space, Add	*25.90*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	190.73	68.67
		For Below Ground Installation, Add	*5.15*	
		For Work In Restricted Working Space, Add	*30.91*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	367.10	88.95
		For Below Ground Installation, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.02*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	63.36	33.25
		For Below Ground Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.97*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	65.78	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	79.26	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	104.67	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	175.31	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	309.55	101.95
		For Below Ground Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.84*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	483.73	125.42
		For Below Ground Installation, Add	*9.40*	
		For Work In Restricted Working Space, Add	*56.42*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	102.28	52.32
		For Below Ground Installation, Add	*3.92*	
		For Work In Restricted Working Space, Add	*23.51*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	130.52	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	149.51	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	206.51	101.95
		For Below Ground Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.84*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	284.31	112.14
		For Below Ground Installation, Add	*8.41*	
		For Work In Restricted Working Space, Add	*50.43*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	337.34	133.12
		For Below Ground Installation, Add	*9.98*	
		For Work In Restricted Working Space, Add	*59.89*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	590.37	178.01
		For Below Ground Installation, Add	*13.34*	
		For Work In Restricted Working Space, Add	*80.04*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	997.06	197.74
		For Below Ground Installation, Add	*14.82*	
		For Work In Restricted Working Space, Add	*88.94*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	127.55	67.72
		For Below Ground Installation, Add	*5.07*	
		For Work In Restricted Working Space, Add	*30.44*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	142.52	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	162.07	85.82
		For Below Ground Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	187.73	95.35
		For Below Ground Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.89*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	244.13	113.28
		For Below Ground Installation, Add	*8.49*	
		For Work In Restricted Working Space, Add	*50.97*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	261.16	118.40
		For Below Ground Installation, Add	*8.87*	
		For Work In Restricted Working Space, Add	*53.24*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	299.08	138.37
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.22*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	395.09	139.95
		For Below Ground Installation, Add	*10.49*	
		For Work In Restricted Working Space, Add	*62.95*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	459.38	153.84
		For Below Ground Installation, Add	*11.53*	
		For Work In Restricted Working Space, Add	*69.17*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	730.26	163.89
		For Below Ground Installation, Add	*12.29*	
		For Work In Restricted Working Space, Add	*73.72*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	769.98	175.44
		For Below Ground Installation, Add	*13.15*	
		For Work In Restricted Working Space, Add	*78.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	889.62	187.35
		For Below Ground Installation, Add	*14.04*	
		For Work In Restricted Working Space, Add	*84.25*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	115.45	60.88
		For Below Ground Installation, Add	*4.56*	
		For Work In Restricted Working Space, Add	*27.37*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	131.50	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	156.88	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	227.35	101.95
		For Below Ground Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.84*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	422.75	156.84
		For Below Ground Installation, Add	*11.75*	
		For Work In Restricted Working Space, Add	*70.53*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	772.53	201.22
		For Below Ground Installation, Add	*15.09*	
		For Work In Restricted Working Space, Add	*90.51*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	905.33	243.28
		For Below Ground Installation, Add	*18.24*	
		For Work In Restricted Working Space, Add	*109.41*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	132.70	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	146.20	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	169.45	85.82
		For Below Ground Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.60*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	194.88	95.35
		For Below Ground Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.89*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	265.56	113.28
		For Below Ground Installation, Add	*8.49*	
		For Work In Restricted Working Space, Add	*50.97*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	298.62	118.40
		For Below Ground Installation, Add	*8.87*	
		For Work In Restricted Working Space, Add	*53.24*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	331.88	138.37
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.22*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	456.39	139.95
		For Below Ground Installation, Add	*10.49*	
		For Work In Restricted Working Space, Add	*62.95*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	599.50	153.84
		For Below Ground Installation, Add	*11.53*	
		For Work In Restricted Working Space, Add	*69.17*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	165.92	88.14
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	223.13	107.34
		For Below Ground Installation, Add	*8.04*	
		For Work In Restricted Working Space, Add	*48.26*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	304.05	117.36
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.77*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	472.33	167.80
		For Below Ground Installation, Add	*12.58*	
		For Work In Restricted Working Space, Add	*75.45*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	937.59	226.46
		For Below Ground Installation, Add	*16.98*	
		For Work In Restricted Working Space, Add	*101.87*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	199.81	97.67
		For Below Ground Installation, Add	*7.32*	
		For Work In Restricted Working Space, Add	*43.92*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	240.37	112.47
		For Below Ground Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	264.77	122.61
		For Below Ground Installation, Add	*9.19*	
		For Work In Restricted Working Space, Add	*55.15*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	400.89	147.95
		For Below Ground Installation, Add	*11.09*	
		For Work In Restricted Working Space, Add	*66.54*	
22 13 16 00-0365		**No Hub Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	217.96	105.87
		For Below Ground Installation, Add	*7.94*	
		For Work In Restricted Working Space, Add	*47.63*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	267.57	117.36
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.77*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	407.95	155.37
		For Below Ground Installation, Add	*11.64*	
		For Work In Restricted Working Space, Add	*69.86*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	563.98	239.85
		For Below Ground Installation, Add	*17.98*	
		For Work In Restricted Working Space, Add	*107.87*	
22 13 16 00-0370		**No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	205.26	91.07
		For Below Ground Installation, Add	*6.83*	
		For Work In Restricted Working Space, Add	*40.98*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	237.90	105.87
		For Below Ground Installation, Add	*7.94*	
		For Work In Restricted Working Space, Add	*47.63*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	288.40	115.65
		For Below Ground Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.02*	
22 13 16 00-0374		**No Hub Cast Iron Sanitary Tees** *(22 13 16 00-0278)*		
22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	99.59	51.22
		For Below Ground Installation, Add	*3.84*	
		For Work In Restricted Working Space, Add	*23.06*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	131.72	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	146.81	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	200.35	101.95
		For Below Ground Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.84*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	285.59	112.14
		For Below Ground Installation, Add	*8.41*	
		For Work In Restricted Working Space, Add	*50.43*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	336.43	133.12
		For Below Ground Installation, Add	*9.98*	
		For Work In Restricted Working Space, Add	*59.89*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	666.41	178.01
		For Below Ground Installation, Add	*13.34*	
		For Work In Restricted Working Space, Add	*80.04*	
22 13 16 00-0382		**No Hub Cast Iron Reducing Sanitary Tees** *(22 13 16 00-0278)*		
22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	112.12	57.82
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.01*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	129.66	67.72
		For Below Ground Installation, Add	*5.07*	
		For Work In Restricted Working Space, Add	*30.44*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	134.51	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	163.61	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	180.00	95.96
		For Below Ground Installation, Add	*7.19*	
		For Work In Restricted Working Space, Add	*43.15*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	187.07	95.96
		For Below Ground Installation, Add	*7.19*	
		For Work In Restricted Working Space, Add	*43.15*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	243.71	106.55
		For Below Ground Installation, Add	*7.99*	
		For Work In Restricted Working Space, Add	*47.91*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	253.57	106.55
		For Below Ground Installation, Add	*7.99*	
		For Work In Restricted Working Space, Add	*47.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	254.77	106.55
		For Below Ground Installation, Add	*7.99*	
		For Work In Restricted Working Space, Add	*47.91*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	264.21	110.99
		For Below Ground Installation, Add	*8.32*	
		For Work In Restricted Working Space, Add	*49.91*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	522.78	150.11
		For Below Ground Installation, Add	*11.25*	
		For Work In Restricted Working Space, Add	*67.50*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	77.52	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	90.24	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	110.16	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	73.08	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	93.48	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	138.36	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	232.47	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	322.69	101.95
		For Below Ground Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.84*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	390.02	154.89
		For Below Ground Installation, Add	*11.61*	
		For Work In Restricted Working Space, Add	*69.68*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	60.97	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	73.70	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	105.57	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	166.29	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	221.33	101.95
		For Below Ground Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.84*	

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	133.42	68.46
		For Below Ground Installation, Add	*5.14*	
		For Work In Restricted Working Space, Add	*30.82*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	144.66	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	176.82	77.63
		For Below Ground Installation, Add	*5.82*	
		For Work In Restricted Working Space, Add	*34.93*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	266.31	101.95
		For Below Ground Installation, Add	*7.64*	
		For Work In Restricted Working Space, Add	*45.84*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	190.87	91.07
		For Below Ground Installation, Add	*6.83*	
		For Work In Restricted Working Space, Add	*40.97*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	217.30	93.76
		For Below Ground Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.17*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	239.31	97.92
		For Below Ground Installation, Add	*7.34*	
		For Work In Restricted Working Space, Add	*44.02*	
22 13 16 00-0421		**No Hub Cast Iron Reducers** *(22 13 16 00-0278)*		
22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	119.16	70.90
		For Below Ground Installation, Add	*5.32*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	163.45	95.96
		For Below Ground Installation, Add	*7.19*	
		For Work In Restricted Working Space, Add	*43.15*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	164.05	95.96
		For Below Ground Installation, Add	*7.19*	
		For Work In Restricted Working Space, Add	*43.15*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	188.51	106.55
		For Below Ground Installation, Add	*7.99*	
		For Work In Restricted Working Space, Add	*47.91*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	192.49	106.55
		For Below Ground Installation, Add	*7.99*	
		For Work In Restricted Working Space, Add	*47.91*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	194.07	106.55
		For Below Ground Installation, Add	*7.99*	
		For Work In Restricted Working Space, Add	*47.91*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	227.17	118.40
		For Below Ground Installation, Add	*8.87*	
		For Work In Restricted Working Space, Add	*53.24*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	227.77	118.40
		For Below Ground Installation, Add	*8.87*	
		For Work In Restricted Working Space, Add	*53.24*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	229.57	118.40
		For Below Ground Installation, Add	*8.87*	
		For Work In Restricted Working Space, Add	*53.24*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	315.28	166.10
		For Below Ground Installation, Add	*12.45*	
		For Work In Restricted Working Space, Add	*74.71*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	319.87	166.10
		For Below Ground Installation, Add	*12.45*	
		For Work In Restricted Working Space, Add	*74.71*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	327.24	166.10
		For Below Ground Installation, Add	*12.45*	
		For Work In Restricted Working Space, Add	*74.71*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	334.91	166.10
		For Below Ground Installation, Add	*12.45*	
		For Work In Restricted Working Space, Add	*74.71*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	335.82	166.10
		For Below Ground Installation, Add	*12.45*	
		For Work In Restricted Working Space, Add	*74.71*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	404.93	175.21
		For Below Ground Installation, Add	*13.13*	
		For Work In Restricted Working Space, Add	*78.79*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	433.76	182.91
		For Below Ground Installation, Add	*13.72*	
		For Work In Restricted Working Space, Add	*82.29*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	488.70	198.55
		For Below Ground Installation, Add	*14.88*	
		For Work In Restricted Working Space, Add	*89.30*	
22 13 16 00-0439		**No Hub Cast Iron Blind Plugs** *(22 13 16 00-0278)*		
22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	32.32	16.64
		For Below Ground Installation, Add	*1.25*	
		For Work In Restricted Working Space, Add	*7.49*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	33.09	17.36
		For Below Ground Installation, Add	*1.30*	
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	42.38	19.93
		For Below Ground Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.95*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	56.25	26.29
		For Below Ground Installation, Add	*1.97*	
		For Work In Restricted Working Space, Add	*11.82*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	75.20	29.32
		For Below Ground Installation, Add	*2.20*	
		For Work In Restricted Working Space, Add	*13.17*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	83.15	34.33
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	166.31	44.47
		For Below Ground Installation, Add	*3.33*	
		For Work In Restricted Working Space, Add	*20.00*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	215.06	47.86
		For Below Ground Installation, Add	*3.59*	
		For Work In Restricted Working Space, Add	*21.53*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	78.12	34.72
		For Below Ground Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.61*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	119.12	39.73
		For Below Ground Installation, Add	*2.98*	
		For Work In Restricted Working Space, Add	*17.89*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	182.21	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	323.47	58.06
		For Below Ground Installation, Add	*4.35*	
		For Work In Restricted Working Space, Add	*26.10*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	340.51	69.24
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.14*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	128.36	44.13
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	187.31	58.68
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.39*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	275.58	77.51
		For Below Ground Installation, Add	*5.81*	
		For Work In Restricted Working Space, Add	*34.84*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	120.24	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	128.82	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	240.80	52.57
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	88.49	44.13
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	95.41	44.13
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.82*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.

22 13 16 00-0467	EA	1-1/2" No Hub Coupling	8.02	
		For Medium Duty (Fernco MD-2000), Add	*1.04*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.17*	
22 13 16 00-0468	EA	2" No Hub Coupling	8.02	
		For Medium Duty (Fernco MD-2000), Add	*1.04*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.17*	
22 13 16 00-0469	EA	3" No Hub Coupling	9.52	
		For Medium Duty (Fernco MD-2000), Add	*1.24*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.57*	
22 13 16 00-0470	EA	4" No Hub Coupling	11.30	
		For Medium Duty (Fernco MD-2000), Add	*1.47*	
		For Heavy-Duty (Fernco HD-4000), Add	*3.05*	
22 13 16 00-0471	EA	5" No Hub Coupling	26.13	
		For Medium Duty (Fernco MD-2000), Add	*3.40*	
		For Heavy-Duty (Fernco HD-4000), Add	*7.06*	
22 13 16 00-0472	EA	6" No Hub Coupling	28.72	
		For Medium Duty (Fernco MD-2000), Add	*3.73*	
		For Heavy-Duty (Fernco HD-4000), Add	*7.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0473	EA	8" No Hub Coupling	54.10	
		For Medium Duty (Fernco MD-2000), Add	*7.03*	
		For Heavy-Duty (Fernco HD-4000), Add	*14.61*	
22 13 16 00-0474	EA	10" No Hub Coupling	74.52	
		For Medium Duty (Fernco MD-2000), Add	*9.69*	
		For Heavy-Duty (Fernco HD-4000), Add	*20.12*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	9.52	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	14.76	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	20.60	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	17.55	
22 13 16 00-0479		**Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts** *(22 13 16 00-0278)*		
		Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	
22 13 16 00-0488		**Cut And Prepare Existing Pipe In-Place** *(22 13 16 00-0268)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA	Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub	11.95	
		For Work In Restricted Working Space, Add	*3.59*	
22 13 16 00-0490	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub	14.61	
		For Work In Restricted Working Space, Add	*4.38*	
22 13 16 00-0491	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub	15.94	
		For Work In Restricted Working Space, Add	*4.78*	
22 13 16 00-0492	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub	19.92	
		For Work In Restricted Working Space, Add	*5.98*	
22 13 16 00-0493	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub	23.89	
		For Work In Restricted Working Space, Add	*7.17*	
22 13 16 00-0494	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub	31.87	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0495	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub	37.18	
		For Work In Restricted Working Space, Add	*11.15*	
22 13 16 00-0496		**Copper Drain-Waste-Vent (DWV) Pipe** *(22 13 16)*		
		See CSI section 22 11 16 00-0451 for copper and brass fittings.		
22 13 16 00-0497	LF	1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	20.23	5.74
22 13 16 00-0498	LF	1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	24.20	6.41
22 13 16 00-0499	LF	2" Diameter, Hard Drawn DWV Copper Tube/Pipe	31.21	7.92
22 13 16 00-0500	LF	3" Diameter, Hard Drawn DWV Copper Tube/Pipe	66.60	10.97
22 13 16 00-0501	LF	4" Diameter, Hard Drawn DWV Copper Tube/Pipe	93.75	12.37
22 13 16 00-0502	LF	5" Diameter, Hard Drawn DWV Copper Tube/Pipe	186.81	14.20
22 13 16 00-0503	LF	6" Diameter, Hard Drawn DWV Copper Tube/Pipe	266.00	22.02
22 13 16 00-0504		**Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)*		
		Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)*		
22 13 16 00-0506		**Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)*		
		Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.		
22 13 16 00-0507	LF	1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	14.21	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*2.87*	
22 13 16 00-0508	LF	2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	16.99	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*3.48*	
22 13 16 00-0509	LF	3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	27.98	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*4.93*	
22 13 16 00-0510	LF	4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	36.24	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0511	LF	6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	66.38	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0512	LF	8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	94.94	
		For Work In Restricted Working Space, Add	*9.34*	
22 13 16 00-0513	LF	10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	137.60	
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0514		Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0505)* Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF	1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.06	5.13
		For Work In Restricted Working Space, Add	*5.89*	
22 13 16 00-0516	LF	2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.48	6.11
		For Work In Restricted Working Space, Add	*6.54*	
22 13 16 00-0517	LF	3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.50	8.81
		For Work In Restricted Working Space, Add	*8.13*	
22 13 16 00-0518	LF	4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	56.74	9.53
		For Work In Restricted Working Space, Add	*8.88*	
22 13 16 00-0519	LF	6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	90.26	12.23
		For Work In Restricted Working Space, Add	*11.37*	
22 13 16 00-0520	LF	8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	119.35	16.26
		For Work In Restricted Working Space, Add	*13.04*	
22 13 16 00-0521	LF	10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	167.88	21.76
		For Work In Restricted Working Space, Add	*16.99*	
22 13 16 00-0522		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)* Note: Excludes fittings or hangers.		
22 13 16 00-0523		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) *(22 13 16 00-0522)* Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.67	5.13
		For Work In Restricted Working Space, Add	*2.29*	
22 13 16 00-0525	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	13.13	6.11
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0526	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	21.09	8.81
		For Work In Restricted Working Space, Add	*3.94*	
22 13 16 00-0527	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	25.47	9.53
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0528	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	37.10	11.40
		For Work In Restricted Working Space, Add	*5.12*	
22 13 16 00-0529	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	53.18	15.17
		For Work In Restricted Working Space, Add	*6.85*	
22 13 16 00-0530	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	76.92	20.31
		For Work In Restricted Working Space, Add	*9.12*	
22 13 16 00-0531		Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0522)* Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.76	5.13
		For Work In Restricted Working Space, Add	*2.29*	
22 13 16 00-0533	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	12.06	6.11
		For Work In Restricted Working Space, Add	*2.75*	
22 13 16 00-0534	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	19.06	8.81
		For Work In Restricted Working Space, Add	*3.94*	
22 13 16 00-0535	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	22.79	9.53
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0536	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	32.10	11.40
		For Work In Restricted Working Space, Add	*5.12*	
22 13 16 00-0537	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	46.15	15.17
		For Work In Restricted Working Space, Add	*6.85*	
22 13 16 00-0538	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	69.27	20.31
		For Work In Restricted Working Space, Add	*9.12*	
22 13 16 00-0539		Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0504)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0540		**Polyvinyl Chloride (PVC) DWV 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	39.60	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	50.58	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	88.16	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	136.63	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	538.96	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	894.05	71.27
		For Work In Restricted Working Space, Add	*32.09*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,180.32	94.99
		For Work In Restricted Working Space, Add	*42.78*	
22 13 16 00-0548		**Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	64.94	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	65.16	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	125.65	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	205.38	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	406.17	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	719.54	71.27
		For Work In Restricted Working Space, Add	*32.09*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,177.19	94.99
		For Work In Restricted Working Space, Add	*42.78*	
22 13 16 00-0556		**Polyvinyl Chloride (PVC) DWV 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	41.68	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	50.40	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	85.03	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	121.36	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	500.07	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	803.67	71.27
		For Work In Restricted Working Space, Add	*32.09*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	914.46	94.99
		For Work In Restricted Working Space, Add	*42.78*	
22 13 16 00-0564		**Polyvinyl Chloride (PVC) DWV Sanitary Tees** *(22 13 16 00-0539)*		
22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	61.98	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	81.77	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	140.30	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	208.87	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	800.75	79.34
		For Work In Restricted Working Space, Add	*35.76*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	1,041.54	106.84
		For Work In Restricted Working Space, Add	*48.14*	
22 13 16 00-0571		**Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees** *(22 13 16 00-0539)*		
22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	79.28	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	94.68	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	77.49	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	114.88	45.23
		For Work In Restricted Working Space, Add	*20.35*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	116.91	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	139.60	50.86
		For Work In Restricted Working Space, Add	*22.92*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	239.53	53.79
		For Work In Restricted Working Space, Add	*24.21*	

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22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	303.36	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	769.15	73.23
		For Work In Restricted Working Space, Add	*33.01*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,431.89	91.57
		For Work In Restricted Working Space, Add	*41.26*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,515.04	97.67
		For Work In Restricted Working Space, Add	*44.01*	

22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	109.73	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	149.41	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	304.76	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	443.22	81.42
		For Work In Restricted Working Space, Add	*36.68*	

22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	134.03	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	234.24	55.37
		For Work In Restricted Working Space, Add	*24.94*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	270.74	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	494.54	66.75
		For Work In Restricted Working Space, Add	*30.07*	
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	518.81	75.67
		For Work In Restricted Working Space, Add	*34.11*	

22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0539)*

22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	52.89	23.23
		For Work In Restricted Working Space, Add	*10.45*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	99.20	27.63
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	94.10	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	145.60	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	156.66	37.89
		For Work In Restricted Working Space, Add	*17.05*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	570.29	44.01
		For Work In Restricted Working Space, Add	*19.80*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	475.28	46.82
		For Work In Restricted Working Space, Add	*21.09*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,195.32	55.99
		For Work In Restricted Working Space, Add	*25.22*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,007.54	62.10
		For Work In Restricted Working Space, Add	*27.97*	
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,355.52	73.96
		For Work In Restricted Working Space, Add	*33.31*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,058.39	83.13
		For Work In Restricted Working Space, Add	*37.44*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0539)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	77.43	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	101.73	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	293.24	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	602.22	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	1,021.87	79.34
		For Work In Restricted Working Space, Add	*35.76*	

22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0539)*

22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	121.70	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	99.20	37.89
		For Work In Restricted Working Space, Add	*17.05*	

22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0539)*

22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	78.13	30.57
		For Work In Restricted Working Space, Add	*13.75*	

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22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	91.14	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	152.28	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	228.48	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	727.14	79.34
		For Work In Restricted Working Space, Add	*35.76*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	901.72	106.84
		For Work In Restricted Working Space, Add	*48.14*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,186.61	142.42
		For Work In Restricted Working Space, Add	*64.18*	

22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0539)*

22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	107.75	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	111.51	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	157.56	45.23
		For Work In Restricted Working Space, Add	*20.35*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	128.89	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	218.86	50.86
		For Work In Restricted Working Space, Add	*22.92*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	190.57	53.79
		For Work In Restricted Working Space, Add	*24.21*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	215.69	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	657.25	70.41
		For Work In Restricted Working Space, Add	*31.73*	
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	815.39	73.23
		For Work In Restricted Working Space, Add	*33.01*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	772.85	91.57
		For Work In Restricted Working Space, Add	*41.26*	
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	977.99	97.67
		For Work In Restricted Working Space, Add	*44.01*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	888.97	115.28
		For Work In Restricted Working Space, Add	*51.95*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,111.03	121.40
		For Work In Restricted Working Space, Add	*54.71*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,294.77	130.56
		For Work In Restricted Working Space, Add	*58.83*	

22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	129.86	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	166.60	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	333.40	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	585.05	81.42
		For Work In Restricted Working Space, Add	*36.68*	
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,207.04	105.87
		For Work In Restricted Working Space, Add	*47.68*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,396.83	142.54
		For Work In Restricted Working Space, Add	*64.18*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,170.13	189.97
		For Work In Restricted Working Space, Add	*85.57*	

22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	150.41	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	283.43	55.37
		For Work In Restricted Working Space, Add	*24.94*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	261.64	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	377.66	66.75
		For Work In Restricted Working Space, Add	*30.07*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	480.14	75.67
		For Work In Restricted Working Space, Add	*34.11*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	742.46	93.64
		For Work In Restricted Working Space, Add	*42.18*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	868.93	111.98
		For Work In Restricted Working Space, Add	*50.43*	
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,107.83	124.20
		For Work In Restricted Working Space, Add	*55.93*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,170.00	135.70
		For Work In Restricted Working Space, Add	*61.12*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,522.04	147.92
		For Work In Restricted Working Space, Add	*66.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,841.93	166.25
		For Work In Restricted Working Space, Add	*74.88*	
22 13 16 00-0658		**Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	98.27	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	122.56	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	246.71	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	440.26	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0663		**Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	186.68	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	297.65	45.23
		For Work In Restricted Working Space, Add	*20.35*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	215.75	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	400.22	53.79
		For Work In Restricted Working Space, Add	*24.21*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	433.50	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 13 16 00-0669		**Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	145.49	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	168.33	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	261.71	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	947.16	81.42
		For Work In Restricted Working Space, Add	*36.68*	
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,153.78	105.87
		For Work In Restricted Working Space, Add	*47.68*	
22 13 16 00-0675		**Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	345.74	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	559.38	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	971.86	66.75
		For Work In Restricted Working Space, Add	*30.07*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	876.51	75.67
		For Work In Restricted Working Space, Add	*34.11*	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,097.12	93.64
		For Work In Restricted Working Space, Add	*42.18*	
22 13 16 00-0681		**Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug** *(22 13 16 00-0539)*		
22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	212.35	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	372.41	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	602.31	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,602.92	79.34
		For Work In Restricted Working Space, Add	*35.76*	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,007.78	106.84
		For Work In Restricted Working Space, Add	*48.14*	
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,664.25	142.42
		For Work In Restricted Working Space, Add	*64.18*	
22 13 16 00-0688		**Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug** *(22 13 16 00-0539)*		
22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	57.13	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	82.00	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	118.54	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	216.14	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	504.93	52.93
		For Work In Restricted Working Space, Add	*23.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,144.45	71.27
		For Work In Restricted Working Space, Add	*32.09*	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,116.19	94.99
		For Work In Restricted Working Space, Add	*42.76*	

22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	38.44	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	47.97	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	75.20	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	98.31	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	284.68	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	699.78	71.27
		For Work In Restricted Working Space, Add	*32.09*	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,061.27	94.99
		For Work In Restricted Working Space, Add	*42.79*	

22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	23.25	10.14
		For Work In Restricted Working Space, Add	*4.58*	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	39.16	13.08
		For Work In Restricted Working Space, Add	*5.87*	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	80.63	17.48
		For Work In Restricted Working Space, Add	*7.89*	
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	155.12	20.41
		For Work In Restricted Working Space, Add	*9.17*	

22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0710	EA	1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.96
22 13 16 00-0711	EA	2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.86
22 13 16 00-0712	EA	3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.55
22 13 16 00-0713	EA	4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	16.93
22 13 16 00-0714	EA	6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	24.19
22 13 16 00-0715	EA	8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	32.26
22 13 16 00-0716	EA	10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	39.44

22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies

(22 13 16 00-0717)

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0719	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.78	5.13
		For Work In Restricted Working Space, Add	*7.04*	
22 13 16 00-0720	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	33.08	6.11
		For Work In Restricted Working Space, Add	*7.79*	
22 13 16 00-0721	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	45.16	8.81
		For Work In Restricted Working Space, Add	*9.68*	
22 13 16 00-0722	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	52.02	9.53
		For Work In Restricted Working Space, Add	*10.75*	
22 13 16 00-0723	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	86.67	12.23
		For Work In Restricted Working Space, Add	*14.29*	

22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0717)*

Note: Excludes fittings or hangers.

22 13 16 00-0725	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.34	5.13
		For Work In Restricted Working Space, Add	*2.29*	
22 13 16 00-0726	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	12.80	6.11
		For Work In Restricted Working Space, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0727	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	20.65	8.81
		For Work In Restricted Working Space, Add	*3.94*	
22 13 16 00-0728	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	25.00	9.53
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0729	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	38.97	11.40
		For Work In Restricted Working Space, Add	*5.12*	

22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0717)*

22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0732	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	42.08	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0733	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	55.53	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0734	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	103.23	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0735	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	160.38	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0736	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	449.91	52.93
		For Work In Restricted Working Space, Add	*23.84*	

22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0738	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	57.99	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0739	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	71.09	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0740	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	141.85	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0741	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	237.21	40.71
		For Work In Restricted Working Space, Add	*18.34*	

22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0730)*

22 13 16 00-0743	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	44.23	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0744	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	54.03	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0745	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	95.31	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0746	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	145.75	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0747	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	465.33	52.93
		For Work In Restricted Working Space, Add	*23.84*	

22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0749	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	65.44	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0750	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	88.14	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0751	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	153.91	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0752	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	235.91	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0753	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	900.93	79.34
		For Work In Restricted Working Space, Add	*35.76*	

22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	81.37	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	98.28	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	82.64	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	125.17	45.23
		For Work In Restricted Working Space, Add	*20.35*	
22 13 16 00-0759	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	129.98	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	284.28	50.86
		For Work In Restricted Working Space, Add	*22.92*	
22 13 16 00-0761	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	274.73	53.79
		For Work In Restricted Working Space, Add	*24.21*	
22 13 16 00-0762	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	314.95	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 13 16 00-0763	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	984.05	73.23
		For Work In Restricted Working Space, Add	*33.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0765	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	120.65	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0766	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	165.10	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 13 16 00-0767	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	349.13	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 13 16 00-0768	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	513.31	81.42
		For Work In Restricted Working Space, Add	*36.68*	

22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	137.22	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	207.49	55.37
		For Work In Restricted Working Space, Add	*24.94*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	238.83	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	417.60	62.28
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	439.09	70.61
		For Work In Restricted Working Space, Add	*31.82*	

22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes *(22 13 16 00-0730)*

22 13 16 00-0776	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	85.30	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0777	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	99.19	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0778	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	168.51	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0779	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	258.73	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0780	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	732.14	79.34
		For Work In Restricted Working Space, Add	*35.76*	

22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes *(22 13 16 00-0730)*

22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	120.52	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	124.08	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0784	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	141.80	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 13 16 00-0785	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	214.90	53.79
		For Work In Restricted Working Space, Add	*24.21*	
22 13 16 00-0786	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	244.21	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 13 16 00-0787	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	616.44	73.23
		For Work In Restricted Working Space, Add	*33.01*	

22 13 16 00-0788 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes *(22 13 16 00-0730)*

22 13 16 00-0789	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	145.04	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0790	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	186.18	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 13 16 00-0791	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	384.18	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 13 16 00-0792	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	687.53	81.42
		For Work In Restricted Working Space, Add	*36.68*	

22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes *(22 13 16 00-0730)*

22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	168.27	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	279.97	55.37
		For Work In Restricted Working Space, Add	*24.94*	
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	298.86	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	439.16	66.75
		For Work In Restricted Working Space, Add	*30.07*	
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	561.37	75.67
		For Work In Restricted Working Space, Add	*34.11*	

22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0800	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	108.87	30.57
		For Work In Restricted Working Space, Add	*13.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0801	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	140.59	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0802	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	213.81	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0803	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	350.49	57.04
		For Work In Restricted Working Space, Add	*25.67*	
22 13 16 00-0804		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0805	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	120.73	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 13 16 00-0806	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	224.91	45.23
		For Work In Restricted Working Space, Add	*20.35*	
22 13 16 00-0807	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	170.27	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 13 16 00-0808	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	299.32	53.79
		For Work In Restricted Working Space, Add	*24.21*	
22 13 16 00-0809	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	324.16	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 13 16 00-0810		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0811	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	226.52	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 13 16 00-0812	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	447.14	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 13 16 00-0813		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0814	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	189.02	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 13 16 00-0815	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	427.86	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0816		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0817	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	119.97	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0818	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	151.69	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0819	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	238.62	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0820	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	390.34	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0821		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0822	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	55.98	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0823	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	80.13	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0824	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	115.60	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0825	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	209.50	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0826	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	486.82	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 13 16 00-0827		**Acrylonitrile Butadiene Styrene (ABS) DWV Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0828	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	39.33	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0829	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	48.36	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0830	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	77.69	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0831	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	102.54	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0832	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	284.19	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 13 16 00-0833		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducers** *(22 13 16 00-0730)*		
22 13 16 00-0834	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	57.05	23.23
		For Work In Restricted Working Space, Add	*10.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0835	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	111.97	27.63
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0836	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	104.87	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0837	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	166.56	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0838	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	178.66	37.89
		For Work In Restricted Working Space, Add	*17.05*	
22 13 16 00-0839		**Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps** *(22 13 16 00-0730)*		
22 13 16 00-0840	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	88.89	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0841	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	128.36	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0842	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	398.01	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0843	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	745.56	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0844		**Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges** *(22 13 16 00-0730)*		
22 13 16 00-0845	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	121.23	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0846	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	113.22	37.89
		For Work In Restricted Working Space, Add	*17.05*	
22 13 16 00-0847		**Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters** *(22 13 16 00-0730)*		
22 13 16 00-0848	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	26.45	10.14
		For Work In Restricted Working Space, Add	*4.58*	
22 13 16 00-0849	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	39.37	13.08
		For Work In Restricted Working Space, Add	*5.87*	
22 13 16 00-0850	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	84.01	17.48
		For Work In Restricted Working Space, Add	*7.89*	
22 13 16 00-0851	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	158.25	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0852		**Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings** *(22 13 16 00-0730)*		
22 13 16 00-0853	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	44.08	23.23
		For Work In Restricted Working Space, Add	*10.45*	
22 13 16 00-0854	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	91.39	27.63
		For Work In Restricted Working Space, Add	*12.47*	
22 13 16 00-0855	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	77.50	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0856	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	164.95	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0857	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	123.38	37.89
		For Work In Restricted Working Space, Add	*17.05*	
22 13 16 00-0858	EA	6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	326.53	43.69
		For Work In Restricted Working Space, Add	*19.68*	
22 13 16 00-0859		**Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0860	EA	1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	160.77	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 13 16 00-0861	EA	2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	178.00	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 13 16 00-0862	EA	3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	200.13	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0863	EA	4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	217.36	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 13 16 00-0864		**Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe** *(22 13 16 00-0717)* Note: In place piping.		
22 13 16 00-0865	EA	1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.96	
22 13 16 00-0866	EA	2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.86	
22 13 16 00-0867	EA	3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	12.55	
22 13 16 00-0868	EA	4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	16.93	
22 13 16 00-0869	EA	6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	24.19	
22 13 16 00-0870		**Elastomeric Flexible Pipe Couplings** *(22 13 16)*		
22 13 16 00-0871		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings** *(22 13 16 00-0870)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		

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22 13 16 00-0872	EA	1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	15.28	5.31
		For Work In Restricted Working Space, Add	*3.19*	
22 13 16 00-0873	EA	1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.45	5.64
		For Work In Restricted Working Space, Add	*3.39*	
22 13 16 00-0874	EA	2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	17.30	5.98
		For Work In Restricted Working Space, Add	*3.59*	
22 13 16 00-0875	EA	3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	19.85	6.31
		For Work In Restricted Working Space, Add	*3.79*	
22 13 16 00-0876	EA	4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.33	6.64
		For Work In Restricted Working Space, Add	*3.98*	
22 13 16 00-0877	EA	5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	28.13	6.97
		For Work In Restricted Working Space, Add	*4.18*	
22 13 16 00-0878	EA	6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	33.97	7.30
		For Work In Restricted Working Space, Add	*4.38*	
22 13 16 00-0879	EA	8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	45.72	7.97
		For Work In Restricted Working Space, Add	*4.78*	
22 13 16 00-0880	EA	10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	59.99	9.30
		For Work In Restricted Working Space, Add	*5.58*	

22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings *(22 13 16 00-0870)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0882	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	16.27	5.64
		For Work In Restricted Working Space, Add	*3.39*	
22 13 16 00-0883	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	17.60	5.98
		For Work In Restricted Working Space, Add	*3.59*	
22 13 16 00-0884	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	21.35	6.31
		For Work In Restricted Working Space, Add	*3.79*	
22 13 16 00-0885	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	19.31	6.31
		For Work In Restricted Working Space, Add	*3.79*	
22 13 16 00-0886	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	26.01	6.64
		For Work In Restricted Working Space, Add	*3.98*	
22 13 16 00-0887	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	24.97	6.64
		For Work In Restricted Working Space, Add	*3.98*	
22 13 16 00-0888	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	23.03	6.64
		For Work In Restricted Working Space, Add	*3.98*	
22 13 16 00-0889	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	32.67	6.97
		For Work In Restricted Working Space, Add	*4.18*	
22 13 16 00-0890	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	29.71	6.97
		For Work In Restricted Working Space, Add	*4.18*	
22 13 16 00-0891	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	40.09	7.30
		For Work In Restricted Working Space, Add	*4.38*	
22 13 16 00-0892	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	35.66	7.30
		For Work In Restricted Working Space, Add	*4.38*	
22 13 16 00-0893	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	36.89	7.30
		For Work In Restricted Working Space, Add	*4.38*	
22 13 16 00-0894	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	72.14	13.28
		For Work In Restricted Working Space, Add	*7.97*	
22 13 16 00-0895	EA	8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	59.86	13.28
		For Work In Restricted Working Space, Add	*7.97*	
22 13 16 00-0896	EA	10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	75.22	14.94
		For Work In Restricted Working Space, Add	*8.96*	

22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0898	EA	1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101)	58.05	35.84
22 13 16 00-0899	EA	2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102)	62.21	38.11
22 13 16 00-0900	EA	3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103)	71.97	43.68
22 13 16 00-0901	EA	4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104)	94.99	57.76
22 13 16 00-0902	EA	5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105)	113.83	69.04
22 13 16 00-0903	EA	6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106)	131.39	79.67
22 13 16 00-0904	EA	8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108)	175.39	100.90
22 13 16 00-0905	EA	10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110)	214.10	112.85
22 13 16 00-0906	EA	12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112)	268.41	125.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0907		**Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series)** *(22 13 16)*		
22 13 16 00-0908	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	107.21	27.51
22 13 16 00-0909	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	113.32	30.57
22 13 16 00-0910	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	168.94	39.73
22 13 16 00-0911	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	197.95	45.84
22 13 16 00-0912	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	230.67	51.95
22 13 16 00-0913	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	384.56	58.07
22 13 16 00-0914		**Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series)** *(22 13 16)*		
22 13 16 00-0915	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	217.92	27.51
22 13 16 00-0916	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	224.03	30.57
22 13 16 00-0917	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	266.73	39.73
22 13 16 00-0918	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	333.25	45.84
22 13 16 00-0919	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	454.09	51.95
22 13 16 00-0920	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	466.31	58.07
22 13 16 00-0921		**Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series)** *(22 13 16)*		
		Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922	EA	1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	412.65	27.51
22 13 16 00-0923	EA	2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	418.76	30.57
22 13 16 00-0924	EA	3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	481.81	39.73
22 13 16 00-0925	EA	4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	542.47	45.84
22 13 16 00-0926	EA	5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	632.93	51.95
22 13 16 00-0927	EA	6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	691.72	58.07

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001		**Round Top Floor Drains** *(22 13 19 13)*		
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	863.58	131.42
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	949.07	147.31
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	926.78	162.95
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	960.34	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	867.67	147.31
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	899.09	162.95
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	932.65	179.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,438.00	147.31
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,469.42	162.95
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,502.98	179.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,354.94	147.31
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,386.19	162.95
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,419.92	179.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,487.70	147.19
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,519.09	162.95
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,552.82	179.83
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,340.43	147.19
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,371.82	162.95
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,405.55	179.83
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,226.91	147.19
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,258.30	162.95
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,292.03	179.83
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,025.34	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,057.08	163.08
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,090.46	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,108.40	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,140.14	163.08
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,173.52	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,473.85	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,505.59	163.08
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,538.97	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	964.43	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	996.17	163.08
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	1,029.55	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,069.64	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,101.38	163.08
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,134.76	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,365.88	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,397.62	163.08
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,431.00	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,534.98	163.08
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,568.36	179.83
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,437.54	163.08
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,470.92	179.83
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,329.57	163.08
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,362.95	179.83
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,496.00	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,527.74	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,561.12	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,925.14	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,956.88	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,990.26	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,024.81	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,056.55	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,089.93	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,797.24	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,828.98	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,862.36	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,407.41	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,439.15	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,472.53	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,772.86	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,804.60	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,837.98	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,872.53	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,904.27	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,937.65	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,501.00	147.19
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,532.74	163.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,566.12	179.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,411.87	131.42
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,443.40	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,474.79	162.95
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,508.52	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	2,066.33	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	2,097.72	162.95
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,131.45	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,958.36	147.19
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,989.75	162.95
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	2,023.48	179.83
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,995.40	131.42
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	3,027.04	147.19
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	3,058.43	162.95
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	3,092.16	179.83
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	3,126.96	197.18
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,237.45	147.19
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,269.19	163.08
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,302.57	179.83
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,337.37	197.18
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,988.81	147.19
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,020.55	163.08
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,053.93	179.83
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,088.73	197.18
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,021.50	147.19
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,053.24	163.08
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,086.62	179.83
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,121.42	197.18
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	54.97	13.28
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	61.10	13.28
22 13 19 13-0106	EA	4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	126.83	26.56
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	113.11	26.56

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,422.83	131.42
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,454.47	147.19
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,485.86	162.95
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0112		**Rotary And Lever Drains** *(22 13 19 13-0102)*		
22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	292.55	88.63
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	310.88	97.80
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	292.55	88.63
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	310.88	97.80
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	292.55	88.63
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	310.88	97.80
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	292.55	88.63
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	310.88	97.80
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100)	399.83	97.80
22 13 19 13-0122		**Floor Receptor** *(22 13 19 13)*		
22 13 19 13-0123		**9" Diameter Round Shallow Receptor** *(22 13 19 13-0122)* Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,745.38	147.31
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,777.27	163.20
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,810.30	179.83
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		**Square Top Floor Receptors** *(22 13 19 13-0122)* Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,056.95	131.42
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,088.62	147.31
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,119.87	162.95
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,153.60	179.83
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0132		**Floor Drain Accessories** *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	117.55	15.28
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	95.80	15.28
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	104.50	15.28
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	126.24	15.28
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	113.20	15.28
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	161.27	15.28
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	178.77	15.28
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	222.19	15.28
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		**Manual Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		**Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,364.62	91.69
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,341.77*	
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,591.27	206.29
		For Flange And Clamp Device, Add	*397.69*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,419.74*	
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,254.40	229.22
		For Flange And Clamp Device, Add	*412.97*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,551.14*	
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,721.44	252.13
		For Flange And Clamp Device, Add	*428.25*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,677.10*	
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	3,046.50	275.06
		For Flange And Clamp Device, Add	*473.93*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,748.34*	
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,740.19	320.90
		For Flange And Clamp Device, Add	*515.70*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,926.66*	
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,875.62	366.74
		For Flange And Clamp Device, Add	*587.22*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,057.94*	
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,565.29	412.59
		For Flange And Clamp Device, Add	*819.06*	
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,816.32	505.69
		For Flange And Clamp Device, Add	*945.13*	
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,353.71	809.11
		For Flange And Clamp Device, Add	*1,307.41*	
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,155.73	1,011.39
		For Flange And Clamp Device, Add	*1,571.54*	
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,347.10	1,213.67
		For Flange And Clamp Device, Add	*2,019.35*	
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	29,029.59	1,415.94
		For Flange And Clamp Device, Add	*2,391.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	37,547.42	1,618.22
		For Flange And Clamp Device, Add	*2,800.10*	
22 13 19 26-0017		**Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,911.45	252.13
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	5,031.62	320.90
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,289.36	366.74
22 13 19 26-0021		**Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		**Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,435.11	91.69
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,341.77*	
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	4,038.89	206.29
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,419.74*	
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,315.87	229.22
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,551.14*	
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,265.22	252.13
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,677.10*	
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,345.30	275.06
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,748.34*	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,563.44	320.90
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,926.66*	
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,492.27	366.74
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,057.94*	
22 13 19 26-0030		**Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	8,811.23	320.90
22 13 19 26-0032		**Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,520.15	252.13
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,742.90	275.06
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,498.52	320.90
22 13 19 26-0036		**Precast Concrete Grease Interceptor** *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,653.84	453.04
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,462.70	453.04
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	7,335.38	517.94
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	8,360.63	731.45
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	9,428.39	984.12
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	14,124.77	1,294.78
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	18,176.59	2,123.23
22 13 19 26-0044		**Coated Steel Manual Oil Interceptor** *(22 13 19 26)* Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,813.58	349.19
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,848.10	414.91
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	9,501.41	510.50
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,318.76	552.98
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	12,405.38	603.44
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	16,392.13	663.85
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	27,618.54	764.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	30,165.23	940.08
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	37,076.08	1,018.94
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	51,949.06	1,222.48
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	59,955.82	1,314.16
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	75,567.09	1,567.22
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	91,425.58	1,284.21
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	108,301.72	1,528.10

22 13 19 33 Backwater Valves *(22 13 19)*

22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*

22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve	773.68	35.08
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve	787.12	44.13
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve	1,139.17	58.68
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve	3,123.60	79.74
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve	3,813.47	104.94
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve	11,182.92	129.48
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve	12,650.23	167.92

22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve *(22 13 19 33)*

Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.

22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,895.81	83.65
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,913.97	101.47
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,599.03	130.81
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,082.88	144.87
22 13 19 33-0014	EA	8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,078.50	171.68

22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)*

Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.

22 13 19 33-0016	EA	3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,279.48	132.40
22 13 19 33-0017	EA	4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,345.00	176.04
22 13 19 33-0018	EA	5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,803.91	214.57
22 13 19 33-0019	EA	6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,841.21	239.20

22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)*

Note: Oatey.

22 13 19 33-0021	EA	3" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	151.18	44.13
22 13 19 33-0022	EA	4" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	181.77	58.68
22 13 19 33-0023	EA	6" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	519.38	79.74

22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*

22 13 19 33-0025	EA	3" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	354.64	88.26
22 13 19 33-0026	EA	4" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	472.24	117.36
22 13 19 33-0027	EA	6" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	806.31	159.48

22 13 19 36 Air-Admittance Valves *(22 13 19)*

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	174.69	17.12
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	207.20	17.12

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,339.10	173.11
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,340.76	173.11
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,879.63	173.11
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,879.63	173.11

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	2,001.62	173.11
22 13 23 00-0007		**Solid Interceptors, Cast Iron With Internal Deep Seal Trap** *(22 13 23)*		
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	340.99	59.21
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	348.56	63.07
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0010		**Sediment Strainers** *(22 13 23)*		
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	209.83	80.75

22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,092.76	1,466.49
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,409.91	1,466.49
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,727.06	1,466.49
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	9,029.57	1,466.49

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,971.02	1,466.49
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,093.00	1,466.49
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,178.39	1,466.49
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,763.89	1,466.49
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,337.20	1,466.49
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	11,215.45	1,466.49
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	12,093.71	1,466.49
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	13,942.14	1,951.57

22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,582.22	1,466.49
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,582.22	1,466.49
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,793.55	1,466.49
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,433.35	1,466.49
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,721.00	1,466.49
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,043.33	1,951.57
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,775.21	1,951.57

22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*

22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	

22 13 29 13-0030 Float Switches *(22 13 29 13-0001)*

Note: Copper coated floats, brass rods and stops and switch brackets.

22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	

22 13 29 13-0034 Square Or Round Steel Sump Covers *(22 13 29 13-0001)*

22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	770.65	48.90
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	853.32	55.01
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,183.18	73.35
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,710.97	85.58
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,833.31	88.63
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,959.55	91.69
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	2,494.23	110.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	3,370.79	122.25
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	4,274.46	152.81
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	5,426.03	168.09
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,607.22	88.95
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,713.03	88.95
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,680.47	88.95
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,836.48	88.95
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,836.48	88.95
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,943.56	111.19
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,081.93	111.19
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,099.57	111.19
22 13 29 16-0011		Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,637.06	88.95
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,789.00	88.95
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,717.10	88.95
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,863.61	88.95
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,995.20	88.95
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,859.45	111.19
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,016.82	111.19
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,015.46	111.19
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,312.30	179.24
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,445.24	179.24
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,468.30	179.24
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,476.27	219.07
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,628.21	219.07
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,632.28	219.07
22 13 29 16-0026		Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,940.94	88.95
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,198.70	88.95
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,148.41	111.19
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,304.42	111.19
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,622.96	179.24
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,778.97	179.24
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,788.29	219.07
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,944.29	219.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0035		**Submersible Sewage Pumps With Semi-Open Impeller** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,886.36	111.19
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,203.12	177.21
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,568.86	216.59
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,821.19	262.54
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,531.00	308.48
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	7,294.33	354.42
22 13 29 16-0042		**Submersible Sewage Pumps, Explosion Proof** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,713.23	398.45
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,116.57	398.45
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,116.57	398.45
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,093.22	531.27
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,496.56	531.27
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,496.56	531.27
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,596.27	664.08
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,999.61	664.08
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,999.61	664.08
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,983.73	796.90
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,387.07	796.90
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,387.07	796.90
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,926.82	929.71
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,330.16	929.71
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,330.16	929.71
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,286.93	1,062.53
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,286.93	1,062.53
22 13 29 16-0060		**Submersible Sewage Pump Accessories** *(22 13 29 16)*		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	788.61	100.73
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	814.53	100.73
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,606.23	134.31
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,269.86	134.31
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,830.20	134.31
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,053.12	134.31
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	8,073.18	167.89
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	6,805.02	167.89
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,780.97	167.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,962.42	167.89
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,883.36	167.89
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,046.89	167.89
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,507.56	167.89
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	654.07	67.15
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	124.18	33.58
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	142.13	33.58
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	159.02	33.58
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	159.14	33.58
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	475.72	33.58
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	500.84	33.58
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	529.66	33.58
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	570.02	33.58
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	253.44	33.58
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	67.75	16.78
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,339.20	100.73
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,099.79	134.31
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,742.72	167.89
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	2,766.50	100.73
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	3,905.70	100.73
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	385.12	67.15
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	678.95	83.94
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	680.16	100.73
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	189.86	33.58
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	375.95	33.58

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	166.75	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	215.98	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	493.64	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	693.73	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	893.82	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	1,040.02	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	403.93	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	819.89	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,471.30	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,979.96	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,281.26	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,409.36	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,830.21	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,286.44	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*
Note: Dome free area is 124 square inches.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,046.38	203.78
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,148.25	244.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,250.12	305.62
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,677.36	366.74
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,728.29	407.46
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,041.38	427.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,756.89	443.14
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,615.58	203.78
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,757.21	244.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,936.51	305.62
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,675.55	366.74
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,870.87	407.46
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,231.92	203.78
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,333.79	244.49
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,435.66	305.62
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,845.34	366.74
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,896.27	407.46
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,440.74	81.54
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,481.49	101.83
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,500.02	111.12
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,110.21	147.31
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,175.19	179.83
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*

Note: Grate free area is 27 square inches.

22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,147.37	203.78
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,249.24	244.49
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,351.11	305.62
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,235.18	203.78
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,337.05	244.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,438.92	305.62
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,866.17	366.74
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,917.10	407.46
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,230.19	427.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,945.70	443.14
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0040		Aluminum Roof Drains *(22 14 26 13)*		
22 14 26 13-0041		Aluminum Dome Roof Drains *(22 14 26 13-0040)*		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,268.12	203.78
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,369.99	244.49
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,471.86	305.62
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,950.03	407.08
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,263.35	427.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,978.63	443.14
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
22 14 26 13-0049		Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	912.33	244.49
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	1,029.70	305.62
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,244.50	366.74
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,357.43	407.08
22 14 26 13-0054		Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,051.82	244.49
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,162.99	305.62
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,387.09	366.74
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,456.62	407.08
22 14 26 13-0059		Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	918.53	244.49
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,035.90	305.62
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,250.70	366.74
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,314.03	407.08
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	547.71	122.25
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	547.71	122.25
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	547.71	122.25
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	851.55	152.81
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	851.55	152.81
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,105.72	152.81
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,237.45	147.19
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,269.19	163.08
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,302.57	179.83
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,337.37	197.18
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,988.81	147.19
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,020.55	163.08
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,053.93	179.83
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,088.73	197.18
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,021.50	147.19
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,053.24	163.08
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,086.62	179.83
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,121.42	197.18
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,537.62	147.19
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,569.36	163.08
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,602.74	179.83
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,637.54	197.18
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,187.62	147.19
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,219.36	163.08
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,252.74	179.83
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,287.54	197.18
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,197.09	147.19
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,228.83	163.08
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,262.21	179.83
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,297.01	197.18
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,437.86	147.19
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,469.60	163.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,502.98	179.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	867.53	147.19
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	899.27	163.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	932.65	179.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,354.80	147.19
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,386.54	163.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,419.92	179.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,353.20	147.19
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,384.94	163.08
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,418.32	179.83
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,827.70	147.19
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,859.44	163.08
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,892.82	179.83
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,087.41	147.19
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,119.15	163.08
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,152.53	179.83
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,184.11	147.19
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,215.85	163.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,249.23	179.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	724.63	147.19
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	756.37	163.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	789.75	179.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,121.50	147.19
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,153.24	163.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,186.62	179.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,036.28	73.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	576.80	73.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	973.67	73.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,871.82	147.19
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,903.56	163.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,936.94	179.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,303.27	147.19
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,335.01	163.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,368.39	179.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,794.06	147.19
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,825.80	163.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,859.18	179.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,568.86	147.19
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,600.60	163.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,633.98	179.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,723.97	73.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,155.42	73.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,646.21	73.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,421.01	73.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,745.02	354.69
		For Explosion Proof Motor, Add	*344.47*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	7,132.14	429.30
		For Explosion Proof Motor, Add	*382.95*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	8,148.21	510.01
		For Explosion Proof Motor, Add	*494.72*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,693.64	627.43
		For Explosion Proof Motor, Add	*560.68*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	9,180.88	680.02
		For Explosion Proof Motor, Add	*819.04*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,887.19	815.78
		For Explosion Proof Motor, Add	*928.98*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,735.38	844.90
		For Explosion Proof Motor, Add	*1,522.64*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,315.32	1,007.41
		For Explosion Proof Motor, Add	*2,021.03*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,529.56	1,174.88
		For Explosion Proof Motor, Add	*2,620.19*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	22,207.72	1,410.37
		For Explosion Proof Motor, Add	*3,413.57*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	30,806.90	1,566.52
		For Explosion Proof Motor, Add	*5,410.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0013		**Extra Column Assemblies** *(22 14 29 13)*		
22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.66	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,158.42	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.58	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,521.99	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,701.17	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,732.14	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,944.51	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,127.75	
22 14 29 13-0022		**Support Plate** *(22 14 29 13)*		
22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	770.65	48.90
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	853.32	55.01
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,183.18	73.35
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,710.97	85.58
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	1,833.31	88.63
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	1,959.42	91.69
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	2,494.23	110.02
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	3,370.79	122.25
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	4,498.05	152.81
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	5,426.03	168.09
22 14 29 16		**Submersible Sump Pumps** *(22 14 29)*		
22 14 29 16-0001		Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*		
22 14 29 16-0002		Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*		
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	553.44	79.67
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	612.56	79.67
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	959.77	84.30
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,053.32	84.30
22 14 29 16-0007		Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)* Note: Includes 20' of cord with pump.		
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,612.06	84.30
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,753.04	84.30
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,841.97	92.94
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,992.70	92.94
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,052.01	106.21
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,200.14	106.21
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,205.17	126.13
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,333.81	126.13
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)* Note: Includes 20' of cord with pump.		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,213.27	79.67
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,251.79	79.67
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,557.55	84.30
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,584.61	84.30
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,896.63	88.95
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,896.63	88.95
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,005.67	92.94
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,005.67	92.94
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,289.06	106.21
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,289.06	106.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,662.77	126.13
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,615.93	126.13

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001 Aluminum Pipe And Fittings For Compressed Air *(22 15 13)*

22 15 13 00-0002 Aluminum (6063) Pipe (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

22 15 13 00-0003	LF	3/4" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	9.03	2.66
22 15 13 00-0004	LF	1" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	11.01	2.92
22 15 13 00-0005	LF	1-1/2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	14.74	3.72
22 15 13 00-0006	LF	2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	17.77	4.25
22 15 13 00-0007	LF	3" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	28.94	5.84

22 15 13 00-0008 Compression Fittings (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

22 15 13 00-0009 Compression Union *(22 15 13 00-0008)*

22 15 13 00-0010	EA	3/4" Diameter, FastPipe Compression Union Note: For compresed air system	24.72	3.72
22 15 13 00-0011	EA	1" Diameter, FastPipe Compression Union Note: For compresed air system	37.14	5.31
22 15 13 00-0012	EA	1-1/2" Diameter, FastPipe Compression Union Note: For compresed air system	57.81	7.43
22 15 13 00-0013	EA	2" Diameter, FastPipe Compression Union Note: For compresed air system	72.42	9.56
22 15 13 00-0014	EA	3" Diameter, FastPipe Compression Union Note: For compresed air system	137.56	14.87

22 15 13 00-0015 Compression 90 Degree Elbow *(22 15 13 00-0008)*

22 15 13 00-0016	EA	3/4" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	26.13	3.72
22 15 13 00-0017	EA	1" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	38.61	5.31
22 15 13 00-0018	EA	1-1/2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	59.37	7.43
22 15 13 00-0019	EA	2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	81.25	9.56
22 15 13 00-0020	EA	3" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	156.33	14.87

22 15 13 00-0021 Compression 45 Degree Elbow *(22 15 13 00-0008)*

22 15 13 00-0022	EA	1" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	38.93	5.31
22 15 13 00-0023	EA	1-1/2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	66.15	7.43
22 15 13 00-0024	EA	2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	87.63	9.56

22 15 13 00-0025 Compression Tee *(22 15 13 00-0008)*

22 15 13 00-0026	EA	3/4" Diameter, FastPipe Compression Tee Note: For compresed air system	35.28	5.57
22 15 13 00-0027	EA	1" Diameter, FastPipe Compression Tee Note: For compresed air system	49.98	7.97
22 15 13 00-0028	EA	1-1/2" Diameter, FastPipe Compression Tee Note: For compresed air system	91.86	11.16
22 15 13 00-0029	EA	2" Diameter, FastPipe Compression Tee Note: For compresed air system	114.45	14.34
22 15 13 00-0030	EA	3" Diameter, FastPipe Compression Tee Note: For compresed air system	216.85	22.30

22 15 13 00-0031 Compression Reducing Tee *(22 15 13 00-0008)*

22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	47.88	7.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	82.25	9.30
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	85.86	10.09
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	103.93	11.42
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	107.19	12.21
22 15 13 00-0037		**Compression Reducing Union** *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	35.78	4.52
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	52.28	5.57
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	53.42	6.37
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	66.25	6.64
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	68.75	7.43
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	73.06	8.50
22 15 13 00-0044		**Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	52.88	7.70
22 15 13 00-0046	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	56.40	8.76
22 15 13 00-0047	EA	1" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	62.15	8.50
22 15 13 00-0048	EA	1" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	64.28	9.56
22 15 13 00-0049	EA	1" x 3/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	66.94	10.62
22 15 13 00-0050		**Compression x NPT Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	61.27	9.56
22 15 13 00-0052	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	63.80	10.62
22 15 13 00-0053	EA	1" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	72.76	11.16
22 15 13 00-0054	EA	1" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	75.05	12.21
22 15 13 00-0055	EA	1" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	77.93	13.28
22 15 13 00-0056	EA	1-1/2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	103.94	14.34
22 15 13 00-0057	EA	1-1/2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	106.60	15.40
22 15 13 00-0058	EA	2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	116.16	16.47
22 15 13 00-0059	EA	2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	118.81	17.52
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		
22 15 13 00-0061	EA	3/4" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	78.11	3.72
22 15 13 00-0062	EA	1" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	100.39	5.31
22 15 13 00-0063	EA	1-1/2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	207.29	7.43
22 15 13 00-0064	EA	2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	299.39	9.56
22 15 13 00-0065	EA	3" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	482.97	14.87
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	69.88	8.76
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	72.42	9.56
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	28.26	6.90
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	62.80	18.59
22 15 13 00-0074	EA	3/4" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	69.91	22.57
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	882.64	105.91
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,010.08	108.85
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,190.94	111.79
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,341.03	117.67
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,748.14	132.38
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,976.48	150.62
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,217.22	170.63
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,606.67	191.22
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,021.53	223.58
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,405.72	238.87
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,003.21	264.77
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,605.67	294.19
		For 230 Voltage, Add	*1,205.19*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,977.79	323.60
		For 230 Voltage, Add	*1,299.17*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,360.14	358.90
		For 230 Voltage, Add	*1,393.16*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,795.72	382.44
		For 230 Voltage, Add	*1,509.25*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,129.20	397.15
		For 230 Voltage, Add	*1,600.47*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,636.62	411.86
		For 230 Voltage, Add	*2,943.87*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,430.80	426.57
		For 230 Voltage, Add	*3,173.30*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,202.87	441.27
		For 230 Voltage, Add	*3,396.10*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,500.71	470.69
		For 230 Voltage, Add	*4,067.80*	
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	16,444.33	588.37
		For 230 Voltage, Add	*4,580.28*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	23,396.68	706.04
		For 230 Voltage, Add	*6,595.38*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	31,777.22	823.71
		For 230 Voltage, Add	*9,038.93*	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	35,578.38	941.39
		For 230 Voltage, Add	*10,108.68*	
22 15 13 00-0100		**Oil And Water Separator For Air Compressor** *(22 15 13)*		
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	792.49	42.50
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	1,061.55	49.81
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	1,240.68	56.45
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,557.30	66.41
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,851.07	79.69
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	3,732.01	166.02
22 15 13 00-0107		**Heavy-Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	138.78	35.30
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	193.65	47.07
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	329.22	58.84
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	413.86	88.25
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	576.96	102.96
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	606.38	117.67
22 15 13 00-0114		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	525.07	105.91
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	650.96	141.21
22 15 13 00-0117		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer	3,054.70	105.91
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer	3,672.17	117.67
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer	3,708.60	129.44
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer	4,236.00	147.09
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer	5,833.51	176.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer	5,765.05	235.35
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer	7,742.12	294.19
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer	8,218.77	353.02
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer	9,409.68	411.86
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer	10,804.98	470.69
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer	11,612.78	529.53
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer	14,196.11	588.37
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer	15,773.02	706.04
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer	18,230.80	823.71
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer	21,035.00	941.39
22 15 13 00-0133		**Air-Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler	773.67	73.54
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler	1,044.47	88.25
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	1,147.60	102.96
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,401.84	117.67
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,950.92	132.38
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	2,190.43	147.09
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	4,234.69	176.51
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	4,428.43	205.93
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	4,620.68	235.35
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	5,418.11	264.77
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	5,923.64	294.19
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	6,791.84	323.60
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	8,715.59	353.02
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	9,967.82	382.44
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	10,293.86	411.86
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	11,038.22	441.27
22 15 13 00-0150		**Compressed Air Coalescing Filters** *(22 15 13)*		
22 15 13 00-0151		**1.0 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		
22 15 13 00-0152	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	270.61	43.16
22 15 13 00-0153	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	322.21	43.16
22 15 13 00-0154	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	352.07	49.81
22 15 13 00-0155	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	405.38	57.11
22 15 13 00-0156	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	472.63	63.09
22 15 13 00-0157	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	536.04	76.37
22 15 13 00-0158	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	559.92	83.01
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	700.46	99.61
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	899.55	132.82
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	1,028.59	149.41
22 15 13 00-0162		**0.01 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		
22 15 13 00-0163	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	329.59	43.16
22 15 13 00-0164	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	357.58	49.81
22 15 13 00-0165	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	410.54	57.11
22 15 13 00-0166	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	482.95	56.45
22 15 13 00-0167	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	547.84	76.37
22 15 13 00-0168	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	621.19	83.01
22 15 13 00-0169	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	713.73	99.61
22 15 13 00-0170	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	921.67	132.82
22 15 13 00-0171	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	1,058.07	149.41
22 15 13 00-0172		**Compressed Air Storage Tanks** *(22 15 13)*		
22 15 13 00-0173		**Horizontal Compressed Air Storage Tanks** *(22 15 13 00-0172)*		
22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	446.26	94.14
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	988.71	102.96
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,048.23	108.26
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,199.64	117.67
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,561.85	158.86
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,897.54	176.51
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,892.80	205.93
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,370.42	235.35
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	4,882.25	250.06
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,134.25	264.77
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	9,430.93	308.89
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	13,626.93	367.73
22 15 13 00-0186		**Vertical Compressed Air Storage Tanks** *(22 15 13 00-0172)*		
22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	922.13	94.14
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	964.25	102.96
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,048.23	108.26
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,248.08	117.67
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,707.15	158.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,967.51	176.51
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,740.64	205.93
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,056.82	235.35
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,482.52	250.06
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,155.79	264.77
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	7,912.36	308.89
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	10,368.46	338.31
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	17,374.58	382.44

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,254.23	417.50
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,402.52	481.88
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,883.84	569.07
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,423.62	627.90
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,405.36	663.21
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,774.23	686.75
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,484.90	784.88
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,955.17	831.95
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,341.88	941.86

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	6,218.73	733.81
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,680.15	863.37
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,984.64	941.86
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,985.02	1,255.82
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,603.25	1,255.82
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	9,248.93	1,569.76
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,809.65	1,569.76
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	12,574.76	1,941.61
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	13,496.59	2,000.46
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	14,578.72	2,337.94
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	21,931.05	2,646.49
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	23,566.33	2,990.44
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	26,265.81	3,305.10
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	28,575.53	3,622.23

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,617.11	1,059.87
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,852.88	1,413.17
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,196.39	1,771.77
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,583.43	2,257.88
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,118.89	2,656.33
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,408.43	2,988.37
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	26,751.25	3,320.41
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	32,168.02	3,718.86
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	35,358.55	3,984.49
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	39,688.17	4,293.95
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	51,588.97	4,648.57
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	57,238.04	4,914.20
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	91,841.69	5,312.65
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	114,572.13	5,744.31
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	133,084.62	6,182.60
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	173,146.81	6,640.82
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	196,716.17	7,065.83

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,253.24	1,413.17
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	14,081.39	1,413.17

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0022		EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,854.87	1,771.77
22 15 19 19-0023		EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,760.66	1,771.77
22 15 19 19-0024		EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,945.74	2,257.88
22 15 19 19-0025		EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,903.28	2,257.88
22 15 19 19-0026		EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,417.94	2,656.33
22 15 19 19-0027		EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,453.12	2,656.33
22 15 19 19-0028		EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	35,312.32	2,988.37
22 15 19 19-0029		EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	38,043.34	3,320.41
22 15 19 19-0030		EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	40,515.59	3,718.86

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*

See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) *(22 31 16)*

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,348.22	336.18
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,590.28	351.47
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	6,037.04	366.74
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,959.11	382.02
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,419.50	397.31

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	8,045.20	366.74
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,462.39	382.02
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	8,925.05	397.31
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,620.37	412.59
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,813.07	427.87
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,402.17	443.14

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,260.38	382.02
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,707.13	397.31
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,407.00	412.59
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,599.69	427.87
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,329.80	443.14
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,207.45	458.43
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,333.94	473.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	29,755.63	443.14
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	34,389.27	458.43
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	38,461.17	473.71
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	48,450.67	488.99
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	53,657.44	504.27
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,136.07	573.03
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	21,030.20	595.96
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	23,962.07	618.88
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,207.11	641.80
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	32,020.44	664.72
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	42,468.71	687.65
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	50,010.48	710.56
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	54,681.07	664.72
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	62,836.90	687.65
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	70,631.11	710.56
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	89,914.83	733.49
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	100,406.30	756.41
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,017.12	504.27
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,485.97	527.19
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,170.87	550.12
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,826.89	573.03
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,877.95	595.96
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,840.58	550.12
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,595.99	573.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,715.28	595.96
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	18,003.53	618.88
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,325.90	641.80
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,481.98	664.72

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001 Commercial Water Filters Housings *(22 32 16)*

22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*

22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,762.76	215.82
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,816.43	232.43
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,997.46	249.04
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,319.50	265.63
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,418.65	282.23
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,147.77	298.84
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,699.65	315.44
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,613.66	332.04
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,290.22	348.64
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,181.48	365.24

22 32 16 00-0014 Commercial Water Filter Cartridges *(22 32 16 00-0002)*

22 32 16 00-0015 (Depth) Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.84	2.66
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.84	2.66
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.84	2.66
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.56	2.66
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.41	2.66
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.41	2.66
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.54	2.66
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.52	2.66
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.54	2.66
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.39	2.66
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.39	2.66
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.39	2.66
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	20.09	2.66
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	26.35	2.66
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	24.07	2.66
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	24.07	2.66
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	26.35	2.66

22 32 16 00-0033 Pleated Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	24.64	2.66
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	24.64	2.66
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	25.21	2.66
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	26.92	2.66
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	40.56	2.66
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	38.86	2.66
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	38.86	2.66
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	38.86	2.66
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	51.36	2.66
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	72.97	2.66
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	61.03	2.66
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	84.91	2.66
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	88.32	2.66
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	99.69	2.66

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,173.50	199.22
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	713.74	2.66
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	148.02	2.66
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	146.88	2.66
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	146.88	2.66
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	168.49	2.66
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	391.93	2.66
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	368.05	2.66
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	401.03	2.66
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	420.36	2.66
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	447.65	2.66
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	485.18	2.66
22 33		**Electric Domestic Water Heaters** *(22 30)*		
22 33 13		**Instantaneous Electric Domestic Water Heaters** *(22 33)*		
22 33 13 13		**Flow-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	593.02	66.39
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	643.59	66.39
22 33 13 16		**Thermostat-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)* Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	786.97	99.58
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	819.33	132.77
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,387.94	232.35
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	2,100.56	265.54
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,597.76	132.77
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	2,182.31	199.15
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,402.35	265.54
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,494.76	265.54
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,582.03	265.54
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	2,710.38	265.54
22 33 30		**Residential, Electric Domestic Water Heaters** *(22 33)*		
22 33 30 13		**Residential, Small-Capacity Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,095.75	209.11
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,348.19	222.39
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,593.99	232.35
22 33 30 16		**Residential, Storage Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,704.40	232.35
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,601.62	238.99
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,575.37	245.63
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,760.59	248.95
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,566.59	255.58
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,614.75	265.54
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,484.14	282.14
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,831.18	232.35
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,742.80	238.99
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,846.43	245.63
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*		
		Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,890.89	238.99
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,066.67	245.63
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,546.69	255.58
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,769.90	265.54
22 33 30 16-0018		Water Heater Accessories *(22 33 30 16)*		
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	145.29	13.28
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	171.78	13.28
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	335.43	13.28
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	450.61	13.28
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	79.48	9.96
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	86.65	9.96
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	91.44	9.96
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	108.18	9.96
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	43.48	9.96
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	47.31	9.96
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	52.69	9.96
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	59.61	9.96
22 33 30 23		**Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 23-0001		Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) *(22 33 30 23)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,309.56	265.54
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,168.26	282.14
22 33 33		**Light-Commercial Electric Domestic Water Heaters** *(22 33)*		
22 33 33 00-0001		Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*		
		Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	11,026.84	232.35
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,471.57	232.35
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,953.36	232.35
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	12,019.74	265.54
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,575.65	265.54
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,465.11	265.54
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	14,058.09	265.54
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,539.88	265.54
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	15,058.73	265.54
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,131.57	265.54
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,650.42	265.54
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,243.39	265.54
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,725.18	265.54
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,244.03	265.54
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,061.29	265.54
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,264.98	331.92
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,746.77	331.92
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,339.74	331.92
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,858.59	331.92
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,712.92	331.92
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,491.83	331.92
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,233.69	331.92
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,473.15	398.31
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,954.94	398.31
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,436.73	398.31
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,955.59	398.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,921.09	398.31
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,700.01	398.31
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,441.87	398.31
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,592.03	398.31
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	30,000.35	398.31
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,892.37	398.31
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,192.71	398.31
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,792.10	398.31
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,443.49	531.08
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,999.40	531.08
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,518.25	531.08
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,962.98	531.08
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,891.43	531.08
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,670.35	531.08
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,375.14	531.08
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,599.43	531.08
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,970.68	531.08
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,899.77	531.08
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,237.17	531.08
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,799.49	531.08
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,614.60	597.46
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,133.46	597.46
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,578.18	597.46
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,543.69	597.46
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,137.30	597.46
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,990.34	597.46
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,214.63	597.46
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,622.94	597.46
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,255.54	597.46
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,852.37	597.46
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,414.70	597.46
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,193.38	663.85
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,786.35	663.85
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,640.67	663.85
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,419.59	663.85
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,161.45	663.85
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,311.62	663.85
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,756.99	663.85
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,611.95	663.85
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,912.29	663.85
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,548.74	663.85
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,793.12	796.62
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,311.97	796.62
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	29,166.29	796.62
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,871.09	796.62
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,687.07	796.62
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,837.23	796.62
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	37,171.42	796.62
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	42,174.63	796.62
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,512.03	796.62
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	59,037.29	796.62
22 33 33 00-0079		Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*		
		Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,762.28	232.35
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,995.77	232.35
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,236.33	265.54
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,904.71	265.54
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,778.70	331.92
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,467.38	398.31
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,747.74	597.46
22 33 33 00-0087		Water Heater Accessories *(22 33 33)*		
22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	52.08	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	75.95	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0090		Removal And Reinstallation Of Water Heater *(22 33 33)*		
		Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	442.56	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,327.69	

22 33 36 Commercial Domestic Water Electric Booster Heaters *(22 33)*

22 33 36 16 Commercial Storage Electric Domestic Water Heaters *(22 33 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0001		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,381.93	863.06
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,416.36	863.06
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,450.81	863.06
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,485.24	863.06
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,554.10	863.06
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,622.98	863.06
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	58,878.08	863.06
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	44,094.03	1,014.09
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	46,144.11	1,014.09
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,194.20	1,014.09
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,244.28	1,014.09
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,344.45	1,014.09
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,444.62	1,014.09
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,724.76	1,014.09
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,644.95	1,014.09
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,798.62	1,154.33
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,819.14	1,154.33
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	49,839.67	1,154.33
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	51,860.19	1,154.33
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	55,901.24	1,154.33
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	59,942.29	1,154.33
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	63,983.34	1,154.33
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	68,832.60	1,154.33
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	73,681.85	1,154.33
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,525.70	1,326.94
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,559.16	1,326.94
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,592.61	1,326.94
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,659.53	1,326.94
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,726.44	1,326.94
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,979.97	1,326.94
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,215.91	1,326.94
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	77,096.20	1,326.94
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,536.35	1,326.94
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	81,976.50	1,326.94
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,416.65	1,326.94
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	56,094.29	1,564.28
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	57,999.85	1,564.28
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	59,905.42	1,564.28
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	63,716.54	1,564.28
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	67,527.66	1,564.28
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	70,576.56	1,564.28
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	75,149.91	1,564.28
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	79,723.25	1,564.28
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	82,009.93	1,564.28
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	84,296.60	1,564.28
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	86,583.27	1,564.28
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	90,013.29	1,564.28
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	61,511.84	1,726.10
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	63,866.21	1,726.10
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	66,220.58	1,726.10
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	70,929.31	1,726.10
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	75,638.04	1,726.10
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	79,405.03	1,726.10
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	85,055.51	1,726.10
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	90,705.99	1,726.10
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	93,531.22	1,726.10
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	96,356.46	1,726.10
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	99,181.71	1,726.10
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	104,832.18	1,726.10
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	107,657.42	1,726.10
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	71,802.56	1,941.87
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	74,311.66	1,941.87
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	76,820.75	1,941.87
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	81,838.95	1,941.87
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	86,857.15	1,941.87
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	90,871.70	1,941.87
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	96,893.54	1,941.87
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	102,915.38	1,941.87
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	105,926.29	1,941.87
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	108,937.21	1,941.87
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	111,948.13	1,941.87
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	117,969.97	1,941.87
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	120,980.89	1,941.87
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	127,002.72	1,941.87
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	133,024.55	1,941.87
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	84,284.20	2,157.63
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	87,201.47	2,157.63
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	90,118.75	2,157.63
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	95,953.28	2,157.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	101,787.83	2,157.63
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	106,455.46	2,157.63
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	112,477.30	2,157.63
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	119,478.75	2,157.63
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	122,979.48	2,157.63
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	126,480.20	2,157.63
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	129,980.92	2,157.63
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	137,961.99	2,157.63
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	144,963.44	2,157.63
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	148,464.17	2,157.63
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	155,465.61	2,157.63
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	97,232.19	2,880.43
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	103,177.09	2,880.43
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	109,121.99	2,880.43
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	113,877.91	2,880.43
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	121,011.80	2,880.43
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	128,145.67	2,880.43
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	131,712.62	2,880.43
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	135,279.56	2,880.43
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	138,846.49	2,880.43
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	145,980.38	2,880.43
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	153,114.27	2,880.43
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	156,681.20	2,880.43
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	163,815.09	2,880.43
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	113,879.87	3,700.33
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	118,969.77	3,700.33
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	124,059.67	3,700.33
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	128,131.60	3,700.33
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	134,239.49	3,700.33
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	140,347.38	3,700.33
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	143,401.31	3,700.33
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	146,455.26	3,700.33
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	149,509.20	3,700.33
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	155,617.08	3,700.33
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	161,724.97	3,700.33
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	164,778.91	3,700.33
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	170,886.79	3,700.33
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	126,382.05	4,315.26
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	131,059.15	4,315.26
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	135,736.25	4,315.26
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	139,477.93	4,315.26
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	145,090.46	4,315.26
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	150,702.98	4,315.26
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	153,509.24	4,315.26
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	156,315.50	4,315.26
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	159,121.77	4,315.26
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	164,734.28	4,315.26
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	170,346.80	4,315.26
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	173,153.06	4,315.26
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	178,765.59	4,315.26
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	184,378.11	4,315.26
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	138,717.73	5,178.30
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	143,236.52	5,178.30
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	147,755.32	5,178.30
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	151,370.35	5,178.30
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	156,792.90	5,178.30
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	162,215.46	5,178.30
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	164,926.73	5,178.30
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	167,638.01	5,178.30
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	170,349.28	5,178.30
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	175,771.84	5,178.30
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	181,194.39	5,178.30
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	183,905.66	5,178.30
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	189,328.21	5,178.30
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	194,750.77	5,178.30

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,398.88	265.54
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,601.19	268.86
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,863.51	275.50
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,356.80	282.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,087.59	298.73
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,176.53	298.73
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,594.56	265.54
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,087.59	298.73
22 34 30		**Residential Gas Domestic Water Heaters** *(22 34)*		
22 34 30 13		**Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,781.63	255.58
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,746.91	262.22
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,344.67	268.86
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,541.62	275.50
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,780.65	282.14
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,143.89	298.73
22 34 30 16		**Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,313.02	262.22
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,784.70	268.86
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,942.24	275.50
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	3,003.41	262.22
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,129.62	268.86
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)* Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	7,182.04	398.31
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,668.68	464.70
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,486.23	531.08
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,209.19	531.08
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	9,434.06	531.08
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	12,574.58	584.19
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,140.50	597.46
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	13,546.20	657.21
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,282.03	597.46
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	12,922.81	657.21
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,288.89	730.23
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	14,141.56	803.26
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,569.37	730.23
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	14,225.80	803.26
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,196.75	796.62
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	15,702.87	876.28
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,212.53	796.62
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	18,600.78	876.28
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	18,523.67	863.01
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	9,252.36	464.70
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	11,097.53	511.16
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,621.01	531.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	11,529.99	584.19
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	2,348.60	331.92
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,567.62	331.92

22 34 36 13-0027 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	603.50	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,595.78	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,851.03	398.31
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	8,361.42	398.31
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	10,195.86	464.70
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,615.06	531.08
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,665.61	531.08
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,901.48	531.08
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,793.61	584.19
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	12,028.30	597.46
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,792.98	657.21
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,613.96	730.23
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	15,455.73	803.26
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,883.53	730.23
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	15,624.21	803.26
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	14,448.41	796.62
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,983.34	876.28
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	17,497.95	796.62
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	20,184.52	876.28

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,536.86	398.31
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	6,086.90	398.31
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,367.37	398.31
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,614.51	438.14
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,869.79	464.70
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,709.02	511.16
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	11,036.27	531.08
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	14,124.63	584.19
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,752.78	597.46
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	15,517.45	657.21
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	20,308.04	803.26
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	21,347.05	876.28
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	24,559.48	949.30

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0001		**Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm)** *(22 34 36 23)* Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	98,199.33	1,726.10
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	118,801.84	1,833.99
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	144,429.40	1,941.87
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	172,733.65	2,049.74
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	181,050.80	2,157.63
22 34 36 23-0007		**Gas Fired Volume Water Heater (Laars Mighty Therm)** *(22 34 36 23)*		
22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,220.07	978.45
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,256.16	1,100.76
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,345.75	1,345.37
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,387.53	1,467.67
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,618.45	1,712.29
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,160.53	1,956.90
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,106.83	2,201.51
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	37,199.49	2,446.12
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	38,598.70	2,568.43
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	41,411.28	2,690.74
22 34 36 23-0018		**Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm)** *(22 34 36 23)* Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,553.61	733.72
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	23,848.82	978.45
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	31,230.34	1,100.76
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	39,220.54	1,345.37
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	46,347.57	1,467.67
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	52,415.77	1,589.98
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	62,935.00	1,712.29
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	69,753.21	1,834.59
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	91,769.13	1,956.90
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	123,365.99	2,568.43
		For Skid Mounting, Add	*950.00*	
22 34 36 26		**Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 26-0001		**Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters** *(22 34 36 26)*		
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	37,097.62	1,859.06
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	52,300.52	2,054.74
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,737.67	2,152.58
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	61,456.05	2,348.28
22 34 36 26-0006		**Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters** *(22 34 36 26)*		
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,935.32	1,859.06
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	36,385.11	2,054.74
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,760.60	2,152.58
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	43,200.84	2,348.28
22 34 36 26-0011		**Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters** *(22 34 36 26)*		
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,528.52	880.61
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,384.34	978.45
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,025.96	1,174.14
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,472.91	1,223.06
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,068.11	1,467.67
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,041.06	1,761.21
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,892.87	1,859.06
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,473.85	2,005.83
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,883.17	2,103.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,980.78	2,152.58
22 34 36 26-0022		**Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters** *(22 34 36 26)*		
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	24,049.94	1,467.67
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,553.44	1,761.21
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,763.47	2,005.83
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,750.60	2,103.67
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	34,246.95	2,152.58
22 34 36 26-0028		**Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters** *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,924.11	1,761.21
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,909.22	2,005.83
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	37,061.39	2,152.58
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 11		**Standard-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 11-0001		**Oil-Fired Domestic Water Heaters** *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	3,864.85	204.46
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,818.53	204.46
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	3,967.36	204.46
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,158.01	209.77
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,168.21	215.09
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,432.23	215.09
22 34 46 11-0008		**Oil-Fired Commercial Water Heaters** *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	5,887.98	318.64
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	6,856.95	318.64
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	6,894.23	318.64
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	9,628.01	424.86
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	13,535.53	531.08
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	16,818.39	584.19
22 34 46 13		**Large-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 13-0001		**Commercial Oil-Fired Domestic Water Heaters** *(22 34 46 13)*		
22 34 46 13-0002	EA	140 Gallon, 140 MBH, 134 GPH, Glass Lined, Commercial Oil-Fired Water Heater	27,699.50	759.76
22 34 46 13-0003	EA	140 Gallon, 199 MBH, 191 GPH, Glass Lined, Commercial Oil-Fired Water Heater	28,623.22	809.11
22 34 46 13-0004	EA	140 Gallon, 255 MBH, 247 GPH, Glass Lined, Commercial Oil-Fired Water Heater	29,852.78	1,011.39
22 34 46 13-0005	EA	140 Gallon, 270 MBH, 259 GPH, Glass Lined, Commercial Oil-Fired Water Heater	37,127.03	1,348.52
22 34 46 13-0006	EA	160 Gallon, 400 MBH, 385 GPH, Glass Lined, Commercial Oil-Fired Water Heater	38,546.44	1,618.22
22 34 46 13-0007	EA	160 Gallon, 540 MBH, 519 GPH, Glass Lined, Commercial Oil-Fired Water Heater	40,221.43	1,685.65
22 34 46 13-0008	EA	160 Gallon, 720 MBH, 691 GPH, Glass Lined, Commercial Oil-Fired Water Heater	41,137.87	1,758.88
22 34 46 13-0009	EA	200 Gallon, 300 MBH, 288 GPH, Glass Lined, Commercial Oil-Fired Water Heater	53,397.82	1,838.97
22 34 46 13-0010	EA	200 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	57,113.44	1,881.72
22 34 46 13-0011	EA	200 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	59,496.84	1,973.42
22 34 46 13-0012	EA	200 Gallon, 1,000 MBH, 960, Glass Lined, Commercial Oil-Fired Water Heater	61,052.99	1,926.49
22 34 46 13-0013	EA	240 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	61,729.21	1,989.60
22 34 46 13-0014	EA	240 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	66,885.12	2,092.63
22 34 46 13-0015	EA	300 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	62,349.06	2,024.53
22 34 46 13-0016	EA	300 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	64,995.99	2,110.43
22 34 46 13-0017	EA	300 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	66,410.51	2,130.25
22 34 46 13-0018	EA	300 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	67,716.56	2,233.28
22 34 46 13-0019	EA	300 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	72,381.00	2,365.44
22 34 46 13-0020	EA	400 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	67,584.67	2,167.34
22 34 46 13-0021	EA	400 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	70,495.02	2,247.58
22 34 46 13-0022	EA	400 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	71,768.03	2,334.01
22 34 46 13-0023	EA	400 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	73,703.78	2,476.96
22 34 46 13-0024	EA	400 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	77,876.88	2,638.38
22 34 46 13-0025	EA	400 Gallon, 1,750 MBH, 1,681 GPH, Glass Lined, Commercial Oil-Fired Water Heater	80,445.03	2,822.45
22 34 46 13-0026	EA	400 Gallon, 2,000 MBH, 1,921 GPH, Glass Lined, Commercial Oil-Fired Water Heater	86,770.26	2,960.13
22 34 46 13-0027	EA	400 Gallon, 2,250 MBH, 2,161 GPH, Glass Lined, Commercial Oil-Fired Water Heater	89,987.79	3,193.82
22 34 46 13-0028	EA	400 Gallon, 2,500 MBH, 2,401 GPH, Glass Lined, Commercial Oil-Fired Water Heater	93,205.19	3,427.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 35 Domestic Water Heat Exchangers *(22 30)*

22 35 23 Circulating, Domestic Water Heat Exchangers *(22 35)*

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers *(22 35 23)*

22 35 23 13-0001 Steam Driven Water Heaters *(22 35 23 13)*

22 35 23 13-0002 Constant Flow *(22 35 23 13-0001)*

22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,652.05	663.85
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,304.11	813.48
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,646.69	1,063.89
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,418.17	1,481.84
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	21,343.56	2,440.57
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	23,289.51	2,765.99
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	30,443.49	3,191.52
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	36,611.83	3,771.86

22 35 23 13-0011 Variable Flow *(22 35 23 13-0001)*

22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	10,100.77	1,294.50
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	11,478.69	1,580.62
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	14,650.10	2,043.85
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	19,258.69	2,851.63
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	28,878.41	4,769.08
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	34,995.96	5,251.97
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	40,555.74	6,146.71
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	51,237.89	7,343.49

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 26 Residential Disposers *(22 41)*

22 41 26 00-0001 Disposals *(22 41 26)*

22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	269.27	69.95
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	306.77	69.95
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	400.53	69.95
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	494.29	69.95

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001 Residential Kitchen Faucets *(22 41 39)*

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	232.31	61.12
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	268.60	61.12
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	268.60	61.12
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	258.58	61.12
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	278.08	61.12

22 41 39 00-0007 Residential Lavatory Faucets *(22 41 39)*

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	212.51	44.01
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	212.51	44.01
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	152.81	44.01
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	

22 41 39 00-0011 Residential Bath And Shower Faucets *(22 41 39)*

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	276.78	53.06
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	326.43	53.06
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	255.14	53.06
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	281.87	53.06
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	314.63	33.19
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	261.46	33.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	293.72	33.19
22 41 39 00-0019		**Residential Laundry Faucets** *(22 41 39)*		
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	182.95	39.03
22 41 39 00-0021		**Residential Laundry/Wash Basin Faucets** *(22 41 39)*		
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	184.45	39.03
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	263.99	43.02
22 41 39 00-0024		**Supply Lines and Shut-off Valves** *(22 41 39)*		
		See CSI section 22 42 39 00-0148 for supply lines and shut-off valves.		
22 41 39 00-0025	EA	16" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	19.37	8.30
22 41 39 00-0026	EA	20" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	22.08	8.30
22 41 39 00-0027		**Other Residential Faucets** *(22 41 39)*		
22 41 39 00-0028	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	47.02	9.96

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001		**Vitreous China Water Closets** *(22 42 13 13)*		
		Note: With a 2" ball pass.		
22 42 13 13-0002		**Floor Mounted Elongated Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	680.05	127.13
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	814.87	127.13
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	1,008.55	127.13
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	853.85	127.13
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	952.30	127.13
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	964.41	127.13
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	656.26	127.13
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	735.59	127.13
22 42 13 13-0011		**Wall Hung Elongated Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	773.69	156.48
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	982.56	156.48
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,233.26	156.48
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	784.24	156.48
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,548.67	156.48
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	867.57	156.48
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	836.03	156.48
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	958.39	156.48
22 42 13 13-0020		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	660.94	127.13
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	725.87	127.13
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	902.34	127.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	875.98	127.13
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	900.97	127.13
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,112.62	127.13
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	876.22	127.13
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	775.94	127.13
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	840.17	127.13
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	937.84	127.13
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	796.35	127.13
22 42 13 13-0032	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	780.47	127.13
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5667-BWL)	849.37	127.13
22 42 13 13-0034		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	709.52	127.13
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	699.09	127.13
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	772.05	127.13
22 42 13 13-0038		**Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)*		
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	796.49	127.13
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	773.11	127.13
22 42 13 13-0041		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,646.77	275.06
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,398.70	275.06
22 42 13 13-0044		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0045		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier	757.99	64.54
22 42 13 13-0047		**No-Hub, Water Closet Carriers** *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,196.66	64.54
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*294.62*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,196.66	64.54
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*294.62*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,310.74	64.54
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*294.62*	
		For Horizontal No Hub Cast Long Barrel, Add	*307.18*	
		For Carrier For Wide Chase Installations, Add	*397.73*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,456.96	64.54
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*234.88*	
		For Auxiliary Inlet, Add	*294.62*	
		For Carrier For Wide Chase Installations, Add	*397.73*	
		For Double 4" Branches, Add	*471.35*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	2,000.16	94.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*144.42*	
		For Supply Pipe Support, Add	*147.65*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*312.96*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,058.02	94.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*144.42*	
		For Supply Pipe Support, Add	*147.65*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*312.96*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,519.17	94.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*144.42*	
		For Supply Pipe Support, Add	*147.65*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*244.05*	
		For Auxiliary Inlet, Add	*312.96*	
		For Double 4" Branches, Add	*489.69*	
		For Carrier For Wide Chase Installations, Add	*850.47*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,368.13	94.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*144.42*	
		For Supply Pipe Support, Add	*147.65*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*316.35*	
		For Carrier For Wide Chase Installations, Add	*850.47*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0056 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,096.15	64.54
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*294.62*	
22 42 13 13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,196.66	64.54
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*294.62*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,511.59	64.54
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*234.88*	
		For Auxiliary Inlet, Add	*294.62*	
		For Carrier For Wide Chase Installations, Add	*397.73*	
		For Double 4" Branches, Add	*471.35*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,828.18	94.75
		For Positioning Frame, Add	*144.42*	
		For Supply Pipe Support, Add	*147.65*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*312.96*	
		For Hanger Type Closet Adapter, Add	*459.55*	
22 42 13 13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,573.81	94.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*144.42*	
		For Supply Pipe Support, Add	*147.65*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*244.05*	
		For Auxiliary Inlet, Add	*312.96*	
		For Double 4" Branches, Add	*489.69*	
		For Carrier For Wide Chase Installations, Add	*850.47*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0062		**Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers** *(22 42 13 13-0044)* Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	915.46	64.54
		For Positioning Frame, Add	*67.63*	
		For Supply Pipe Support, Add	*69.24*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
22 42 13 13-0064		**Institutional Water Closet Carriers** *(22 42 13 13-0044)* Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,319.39	94.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*144.42*	
		For Supply Pipe Support, Add	*147.65*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*312.96*	
22 42 13 13-0066		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	560.98	
22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	560.98	
22 42 13 13-0069	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	431.94	
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	431.94	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		**Vitreous China Urinals** *(22 42 13 16)* Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		**Wall Hung Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	666.31	130.81
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	781.15	130.81
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	745.04	130.81
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	815.69	130.81
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	777.69	130.81
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	642.07	130.81
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	827.93	130.81
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	752.03	130.81
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	741.00	130.81
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	682.05	130.81
22 42 13 16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	723.83	130.81
22 42 13 16-0014		**Floor Mounted Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,119.87	165.04
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,213.43	165.04
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	321.72	30.57
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	364.16	30.57
22 42 13 16-0019		**Waterfree Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	676.07	91.69
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-42.23*	
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	812.42	91.69
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-57.78*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	773.40	91.69
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-53.33*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	638.26	91.69
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-37.92*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	638.26	91.69
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-37.92*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	833.61	91.69
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-60.19*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,002.51	91.69
		For >1, Deduct	*-79.45*	
22 42 13 16-0027		**Stainless Steel Urinals** *(22 42 13 16)*		
22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,691.66	275.06
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	5,434.23	336.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0030		**Urinal Carriers** *(22 42 13 16)*		
22 42 13 16-0031		**Floor Mounted, Urinal Carriers** *(22 42 13 16-0030)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	614.48	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	728.30	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0034		**Wall Mounted, Urinal Carriers** *(22 42 13 16-0030)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	286.42	46.46
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0036		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	556.91	
22 42 16		**Commercial Lavatories and Sinks** *(22 42)*		
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		**Lavatories** *(22 42 16 13)*		
		Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002		**Wall Hung Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	587.91	81.90
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	614.71	81.90
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	764.86	81.90
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	539.03	81.90
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	464.14	81.90
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	587.47	81.90
22 42 16 13-0009	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	551.65	81.90
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	486.21	81.90
22 42 16 13-0011	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	692.76	81.90
22 42 16 13-0012		**Countertop Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	565.04	99.02
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	577.31	99.02
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	611.49	99.02
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	647.91	99.02
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	851.88	106.96
22 42 16 13-0018		**Undermount Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	521.56	99.02
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	495.80	99.02
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	495.80	99.02
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	527.21	99.02
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	511.20	99.02
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	506.46	99.02
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	511.29	99.02
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	617.97	99.02
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	617.97	99.02
22 42 16 13-0028		**Pedestal Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	691.03	235.32
22 42 16 13-0030		**Cultured Marble Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	391.65	91.69
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	450.26	97.80
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	555.90	103.91
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	786.73	110.02
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	425.83	91.69
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	459.89	97.80
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	612.75	103.91
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	673.61	106.96
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	762.68	110.02
22 42 16 13-0040		**Quartz Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	799.98	91.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	836.72	97.80
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	965.56	103.91
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	973.35	106.96
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,064.19	110.02
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,430.99	116.13
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,692.84	122.23
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	47.44	
22 42 16 13-0049		**Solid Surface Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	667.92	91.69
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	753.51	97.80
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	850.42	103.91
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	938.40	106.96
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,018.89	110.02
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,124.76	113.08
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,254.50	116.13
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,286.57	116.13
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,391.00	122.23
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	69.95	
22 42 16 13-0060		**Stainless Steel Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0061	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,525.33	213.94
22 42 16 13-0062		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)*		
		Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0063	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	7,029.57	168.04
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0064	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,315.12	168.04
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0065	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	473.80	56.01
22 42 16 13-0066	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	588.18	56.01
22 42 16 13-0067	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,170.75	56.01
22 42 16 13-0068		**Lavatory Carriers** *(22 42 16 13)*		
22 42 16 13-0069		**Floor Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		
22 42 16 13-0070		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0069)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	614.48	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*117.01*	
		For Corner Carrier, Add	*227.61*	
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	728.30	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*117.01*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	835.96	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*234.02*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	959.69	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*234.02*	
22 42 16 13-0075		**Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 13-0069)*		
		Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	790.70	55.01
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*119.46*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,156.06	55.01
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*119.46*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,055.22	55.01
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*238.91*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,720.06	55.01
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*238.91*	
		For Heavy-Duty Carrier, Add	*234.59*	
22 42 16 13-0080		Wall Mounted, Lavatory Carriers *(22 42 16 13-0068)*		
22 42 16 13-0081		Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0080)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	286.42	46.46
		For Double Plate Carrier, Add	*88.75*	
22 42 16 13-0083		Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0080)*		
		Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	486.01	55.01
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	576.00	55.01
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	853.98	55.01
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 13-0087		Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	359.55	
22 42 16 16		**Commercial Sinks** *(22 42 16)*		
22 42 16 16-0001		Sinks *(22 42 16 16)*		
		Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002		Kitchen Sinks *(22 42 16 16-0001)*		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	747.96	114.91
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	972.97	130.81
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	1,000.89	112.47
		For 18 Gauge, Add	*271.23*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	1,028.09	112.47
		For 18 Gauge, Add	*284.83*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	1,089.29	112.47
		For 18 Gauge, Add	*315.43*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,144.75	114.91
		For 18 Gauge, Add	*335.83*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,458.89	130.81
		For 18 Gauge, Add	*469.57*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,498.02	130.81
		For 18 Gauge, Add	*488.91*	
22 42 16 16-0011	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,932.08	130.81
22 42 16 16-0012	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,441.76	112.47
22 42 16 16-0013	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,472.36	112.47
22 42 16 16-0014	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,549.43	112.47
22 42 16 16-0015	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,653.62	114.91
22 42 16 16-0016	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	2,013.09	130.81
22 42 16 16-0017		Undermount Kitchen Sinks *(22 42 16 16-0001)*		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,300.85	112.47
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,275.16	112.47
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,312.18	112.47
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,389.25	112.47
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99)	1,340.51	112.47
		Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,538.04	112.47
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,833.35	112.47
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	1,037.21	112.47
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,379.43	112.47

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0027		**Multi-Station Wash Sink, Wall Mounted** *(22 42 16 16-0001)*		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	1,968.53	198.65
		Note: Excludes faucets.		
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,589.62	213.94
		Note: Excludes faucets.		
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,964.63	229.22
		Note: Excludes faucets.		
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,699.31	152.81
		Note: Excludes faucets.		
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,003.00	168.09
		Note: Excludes faucets.		
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,300.61	183.37
		Note: Excludes faucets.		
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,668.36	206.29
		Note: Excludes faucets.		
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain	3,590.18	336.18
		Note: Includes sensor operated spray heads.		
22 42 16 16-0036		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	697.71	130.81
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	793.51	130.81
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	695.71	130.81
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,034.28	130.81
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,448.24	146.70
22 42 16 16-0042		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0043	EA	Refinish Sink/Lavatory	278.74	
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,162.05	196.82
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,214.30	196.82
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,405.40	260.38
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	574.22	183.37
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	657.63	183.37
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	735.67	220.05
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	670.55	183.37
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	764.92	220.05
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	1,047.76	183.37
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,292.63	220.05
22 42 16 16-0055		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0056	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,466.38	305.62
22 42 16 16-0057		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0058	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,131.79	112.47
22 42 16 16-0059	SF	Soapstone Sink Backsplash	173.52	
22 42 16 16-0060	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,432.00	130.81
22 42 16 16-0061	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,661.85	130.81
22 42 16 16-0062		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0063		**Floor Mounted, Sink Carriers** *(22 42 16 16-0062)*		
		Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	896.35	46.46
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*117.01*	
22 42 16 16-0065	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,531.71	46.46
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*269.68*	
22 42 16 16-0066	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,923.80	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 16-0067		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	492.93	

22 42 19 Commercial Bathtubs *(22 42)*

22 42 19 00-0001 Recessed Alcove Bathtubs *(22 42 19)*

22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	2,388.27	339.85
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,724.75	339.85
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,756.65	339.85
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,713.49	339.85

22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	795.79	339.85
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	957.24	339.85

22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	1,367.51	339.85

22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,394.12	339.85
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,672.61	339.85
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,699.13	339.85
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,679.06	339.85
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,712.39	339.85

22 42 19 00-0018 Bathtub Refinishing *(22 42 19)*

22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	700.33	

22 42 19 00-0020 Tub And Shower Combinations *(22 42 19)*

22 42 19 00-0021 Acrylic Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta B23207-6032-WH)	925.22	120.99
		For 2 Piece Enclosure, Deduct	*-209.32*	

22 42 19 00-0023 Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	1,122.41	120.99
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	1,106.14	120.99
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,625.40	182.60
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	2,566.66	417.22
		For 2 Piece Enclosure, Deduct	*-544.94*	

22 42 23 Commercial Showers *(22 42)*

22 42 23 00-0001 Shower Enclosures *(22 42 23)*

Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.

22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*

22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,679.66	197.17
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,822.47	197.17
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,736.47	197.17
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	3,007.81	197.17

22 42 23 00-0007 Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*

22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,720.76	197.17
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,979.25	197.17
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,264.56	197.17
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,764.40	197.17

22 42 23 00-0012 Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down *(22 42 23 00-0001)*

22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,023.13	197.17
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,054.54	197.17
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,098.76	197.17
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,196.19	197.17
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,207.08	197.17

22 42 23 00-0018 1 Piece Shower Units *(22 42 23)*

22 42 23 00-0019	EA	32" x 32" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3232CS)	1,048.74	120.99
22 42 23 00-0020	EA	36" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3636CS)	1,082.07	120.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0021		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0022		Acrylic Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	654.61	49.79
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	695.36	49.79
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	776.74	49.79
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	945.60	59.75
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	656.53	49.79
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	710.12	49.79
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	809.83	49.79
22 42 23 00-0030	EA	60" x 30" Acrylic Shower Receptor	1,170.14	129.65
22 42 23 00-0031	EA	60" x 32" Acrylic Shower Receptor	894.88	59.75
22 42 23 00-0032	EA	60" x 36" Acrylic Shower Receptor	901.78	59.75
22 42 23 00-0033	EA	60" x 42" Acrylic Shower Receptor	908.11	59.75
22 42 23 00-0034	EA	60" x 48" Acrylic Shower Receptor	1,007.18	59.75
22 42 23 00-0035	EA	36" x 36" Acrylic Corner Shower Receptor	981.27	49.79
22 42 23 00-0036	EA	42" x 42" Acrylic Corner Shower Receptor	1,135.08	49.79
22 42 23 00-0037	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,712.61	123.17
22 42 23 00-0038		Molded Stone Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0039	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	329.04	49.79
22 42 23 00-0040	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	343.94	49.79
22 42 23 00-0041	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	345.60	49.79
22 42 23 00-0042	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	419.27	49.79
22 42 23 00-0043	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	374.57	49.79
22 42 23 00-0044	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	395.27	49.79
22 42 23 00-0045	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	397.75	49.79
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	461.57	59.75
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	477.30	59.75
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	378.71	49.79
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	387.82	49.79
22 42 23 00-0050		Precast Terrazzo Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor	598.91	49.79
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor	621.26	49.79
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor	641.96	49.79
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor	644.44	49.79
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor	703.22	49.79
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor	733.02	49.79
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor	1,021.10	49.79
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor	636.99	49.79
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor	648.86	49.79
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor	670.10	49.79
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor	696.59	49.79
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor	699.08	49.79
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor	733.02	49.79
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor	766.96	49.79
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor	1,033.29	59.75
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor	1,127.22	59.75
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor	1,131.83	59.75
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor	1,136.41	59.75
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	647.75	49.79
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	648.86	49.79
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	651.06	49.79
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	776.06	49.79
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,392.79	49.79
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,552.64	59.75
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,617.21	59.75
22 42 23 00-0076		Shower Receptors Accessories *(22 42 23 00-0021)*		
22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	4.26	
22 42 23 00-0078		Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head	59.75	

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,753.48	196.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,972.71	196.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,532.25	196.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,429.01	224.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,736.09	224.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	10,216.39	224.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,509.56	168.04
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,533.15	168.04
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,481.25	168.04
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	10,440.89	196.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,465.78	196.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,707.58	196.05
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	250.84	61.12
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	284.11	61.12
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	281.54	61.12
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	310.42	61.12
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	233.26	61.12
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	256.70	61.12
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	335.69	61.12
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	236.56	61.12
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	227.69	61.12
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	271.06	61.12
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	471.97	61.12
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	518.54	61.12
22 42 39 00-0014	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	487.37	66.39
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	485.10	66.39
22 42 39 00-0016	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	359.77	66.39
22 42 39 00-0017	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	843.70	61.12
22 42 39 00-0018	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	1,069.73	61.12
22 42 39 00-0019	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,145.07	61.12
22 42 39 00-0020	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	843.70	61.12
22 42 39 00-0021	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	1,069.73	61.12
22 42 39 00-0022	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,145.07	61.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0023		**Lavatory Faucets** *(22 42 39)*		
22 42 39 00-0024	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	322.19	44.01
22 42 39 00-0025	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	225.96	44.01
22 42 39 00-0026	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	278.60	44.01
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	304.85	44.01
22 42 39 00-0028	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	372.64	44.01
22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	445.09	44.01
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	267.28	44.01
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	402.81	44.01
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	292.46	44.01
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	299.06	44.01
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	359.53	44.01
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	352.38	44.01
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	289.30	44.01
22 42 39 00-0037		**Bath And Shower Faucets** *(22 42 39)*		
22 42 39 00-0038		**Bath And Shower Faucets With Valve Body** *(22 42 39 00-0037)*		
22 42 39 00-0039	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	284.42	53.06
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	334.07	53.06
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	365.89	53.06
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	262.78	53.06
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	275.51	53.06
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	312.43	53.06
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	354.44	53.06
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0046		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047	EA	Senior Institutional Shower Head (Symmons® 4-150)	276.46	53.06
22 42 39 00-0048	EA	Universal Institutional Shower Head (Symmons® 4-151)	466.02	53.06
22 42 39 00-0049	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	326.37	53.06
22 42 39 00-0050	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	244.64	53.06
22 42 39 00-0051	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	1,042.23	79.46
22 42 39 00-0052	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	851.54	91.69
22 42 39 00-0053	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,128.17	91.69
22 42 39 00-0054	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,592.64	97.80
22 42 39 00-0055	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	457.20	82.52
22 42 39 00-0056	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	1,039.87	82.52
22 42 39 00-0057	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	718.89	82.52
22 42 39 00-0058	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,446.75	82.52
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,723.00	82.52
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,168.27	82.52
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,771.57	82.52
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,901.61	82.52
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	3,521.36	82.52
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	3,074.08	82.52
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,535.34	82.52
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,365.12	82.52
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,533.25	82.52
22 42 39 00-0068	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,528.67	82.52
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	1,129.16	73.35
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	873.90	53.06
22 42 39 00-0071		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	614.16	101.77
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	436.70	101.77
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	471.07	101.77
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	488.89	101.77
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	637.86	142.66
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	714.24	162.59
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	826.27	162.59
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	485.14	101.77
22 42 39 00-0080	EA	8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8ABCP)	726.61	162.59
22 42 39 00-0081	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	995.33	162.59
22 42 39 00-0082		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0083	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	249.13	43.28
22 42 39 00-0084	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	408.57	61.12
22 42 39 00-0085	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	531.07	61.12
22 42 39 00-0086	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	324.93	57.08
22 42 39 00-0087	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	441.21	81.42
22 42 39 00-0088	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	600.93	81.42
22 42 39 00-0089	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	481.07	61.12
22 42 39 00-0090	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	470.24	81.42
22 42 39 00-0091	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	308.56	47.00
22 42 39 00-0092	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	434.69	66.39
22 42 39 00-0093	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	333.46	66.39
22 42 39 00-0094	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	408.59	66.39
22 42 39 00-0095	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	104.40	40.83
22 42 39 00-0096	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	667.19	73.35
22 42 39 00-0097	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	860.16	73.35
22 42 39 00-0098	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	1,035.97	73.35
22 42 39 00-0099	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	915.24	73.35
22 42 39 00-0100	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	1,091.28	73.35
22 42 39 00-0101	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	169.41	40.34
22 42 39 00-0102	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	236.86	48.41
22 42 39 00-0103	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	236.86	48.41
22 42 39 00-0104	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	304.32	56.48
22 42 39 00-0105	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	371.77	64.54
22 42 39 00-0106		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0107	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	943.02	45.84
22 42 39 00-0108	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,021.82	42.78
22 42 39 00-0109	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,318.43	45.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0110	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,392.33	45.84
22 42 39 00-0111	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,689.60	30.57
22 42 39 00-0112	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,039.27	76.41
22 42 39 00-0113	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,845.45	76.41
22 42 39 00-0114	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,939.50	76.41
22 42 39 00-0115	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	372.07	46.47
22 42 39 00-0116	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	410.54	46.47
22 42 39 00-0117	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	444.15	46.47
22 42 39 00-0118	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,997.82	30.57
22 42 39 00-0119		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0120	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	442.63	43.28
22 42 39 00-0121	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	392.70	57.08
22 42 39 00-0122	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	436.54	43.28
22 42 39 00-0123	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	266.35	62.00
22 42 39 00-0124	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	518.48	47.00
22 42 39 00-0125	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	525.48	47.00
22 42 39 00-0126	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	437.01	47.00
22 42 39 00-0127		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0128	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	807.15	101.95
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0129	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	814.79	101.95
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0130	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	1,094.79	110.73
22 42 39 00-0131	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,142.26	101.95
22 42 39 00-0132	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,699.66	110.73
22 42 39 00-0133	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	2,130.07	110.73
22 42 39 00-0134	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,988.93	110.73
22 42 39 00-0135	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,386.24	101.95
22 42 39 00-0136	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,085.86	101.95
22 42 39 00-0137	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,146.71	101.95
22 42 39 00-0138	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	994.58	101.95
22 42 39 00-0139	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,146.71	101.95
22 42 39 00-0140	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	1,003.05	101.95
22 42 39 00-0141	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	1,003.05	101.95
22 42 39 00-0142	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,128.16	101.95
22 42 39 00-0143	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	958.24	101.95
22 42 39 00-0144	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	919.85	101.95
22 42 39 00-0145	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,661.36	101.95
22 42 39 00-0146		**Singles** *(22 42 39)*		
22 42 39 00-0147	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	310.94	44.87
22 42 39 00-0148		**Supply Lines and Shut-off Valves** *(22 42 39)*		
22 42 39 00-0149	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036-0000LF)	51.52	12.83
22 42 39 00-0150	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037-0000LF)	51.52	12.83
22 42 39 00-0151	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558LF)	43.46	12.83
22 42 39 00-0152	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	41.18	14.10
22 42 39 00-0153	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	23.52	8.30
22 42 39 00-0154	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	23.89	8.30
22 42 39 00-0155		**Other Trim** *(22 42 39)*		
22 42 39 00-0156	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	22.74	6.64
22 42 39 00-0157	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	144.50	19.92
22 42 39 00-0158		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0159	EA	Removal And Reinstallation Of Faucet	106.21	
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Water Closet Flush Valves** *(22 42 43)*		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	273.77	41.69
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	265.67	41.69
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	261.57	41.69
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	414.87	41.69
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	512.68	41.69
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	872.43	41.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	775.51	41.69
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	816.77	41.69
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	744.32	41.69
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	358.32	41.69
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	724.61	41.69
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	301.45	41.69
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	473.79	41.69
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	355.63	36.67
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	436.31	36.67
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	734.40	41.69
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	803.70	41.69
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,047.11	41.69
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,047.11	41.69
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	744.67	41.69
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	718.59	41.69
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	394.97	36.67
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	120.15	6.72
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	795.08	41.69
22 42 43 00-0026	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	283.07	41.69
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	611.55	41.69
22 42 43 00-0028		**Urinal Flush Valves** *(22 42 43)*		
22 42 43 00-0029	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	211.61	41.69
22 42 43 00-0030	EA	1-1/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	503.99	41.69
22 42 43 00-0031	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	349.52	41.69
22 42 43 00-0032	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	531.84	41.69
22 42 43 00-0033	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	705.20	41.69
22 42 43 00-0034	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	943.81	41.69
22 42 43 00-0035	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,057.52	41.69
22 42 43 00-0036	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	678.07	41.69
22 42 43 00-0037	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	838.35	41.69
22 42 43 00-0038	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	703.17	41.69
22 42 43 00-0039	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	264.08	41.69
22 42 43 00-0040	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	595.16	41.69
22 42 43 00-0041	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	744.67	41.69
22 42 43 00-0042		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0043	EA	Removal And Reinstallation Of Flush Valve	165.96	
22 42 43 00-0044		**Plumbing Control Transformers** *(22 42 43)*		
22 42 43 00-0045	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	63.38	
22 42 46		**Chemical Toilets** *(22 42)* Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		**Standard Chemical Toilets** *(22 42 46)*		
22 42 46 00-0002		**Small Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	5,062.31	1,222.48
		For Extra Urinal, Add	*163.94*	
22 42 46 00-0004		**Medium Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	6,016.70	1,455.97
		For Extra Urinal, Add	*194.18*	
22 42 46 00-0006		**Large Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	7,221.47	1,651.57
		For Extra Urinal, Add	*260.09*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	881.35	127.13
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	719.92	127.13

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,206.92	81.90
		For Stainless Steel Rim Guards (Three Sides), Add	*106.51*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,322.07	235.32
		For Stainless Steel Rim Guards (Three Sides), Add	*106.51*	
		For Pedestal Base, Add	*488.36*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,160.02	81.90
		For Painted Bracket Supports, Add	*177.30*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,019.34	81.90

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	104.58	18.34

22 43 39 00-0003 Electronic Proximity Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	584.92	89.73
		For Hard Wired AC Powered, Add	*24.26*	

22 43 39 00-0005 Foot And Knee Faucet Controls *(22 43 39)*

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	494.81	163.08
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	582.65	163.08
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,259.72	163.08
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	694.25	163.08

22 43 39 00-0010 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	687.46	89.73
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	695.41	89.73
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	694.61	89.73
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	619.03	89.73
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	591.98	89.73

22 43 39 00-0016 Bedpan Washers *(22 43 39)*

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,638.09	163.08
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,554.79	163.08
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,530.11	163.08
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,506.12	163.08

22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	239.73	41.69
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	513.37	41.69

22 43 46 Healthcare Patient Care Units *(22 43)*

22 43 46 00-0001 Patient Care Units *(22 43 46)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,477.38	244.49
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,166.56*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,137.91	213.94
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,166.56*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	

22 43 46 00-0004 Patient Care Plumbing Accessories *(22 43 46)*

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,950.96	33.19
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,149.06	33.19

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	787.94	213.94
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	899.69	213.94
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	961.77	213.94
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,148.01	213.94
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,532.92	213.94
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,221.55	244.49
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,338.55	275.06
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,220.60	275.06
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,245.43	275.06
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,711.04	275.06

22 45 13 00-0013 Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	686.92	213.94
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	706.27	213.94
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,092.01	244.49

22 45 13 00-0017 Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	988.85	213.94
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	1,013.38	213.94
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	2,214.75	213.94
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,581.58	275.06
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	2,136.64	275.06

22 45 16 Eyewash Equipment *(22 45)*

22 45 16 00-0001 Emergency Eyewash Equipment *(22 45 16)*

22 45 16 00-0002 Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*

22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	335.05	6.11
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,611.71	275.06

22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*

22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	1,006.21	61.12
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	1,006.21	61.12
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	1,024.80	61.12
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	1,024.80	61.12
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	1,366.03	61.12
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,558.27	61.12
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,558.27	61.12
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	2,899.00	61.12
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	2,899.00	61.12
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	3,034.26	61.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	3,034.26	61.12
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	3,746.05	61.12
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	3,746.05	61.12
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,830.45	213.94
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,804.22	213.94
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	1,287.10	213.94
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,832.44	213.94
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	1,092.40	213.94

22 45 23 Personal Eyewash Equipment *(22 45)*

22 45 23 00-0001 Portable Eyewash Equipment *(22 45 23)*

22 45 23 00-0002 Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*

22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	345.54	18.34
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,809.64	18.34
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	845.73	152.81
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	856.23	213.94
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	837.61	213.94
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	910.86	213.94
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	918.31	213.94
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	1,006.47	213.94
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,359.09	213.94
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,538.63	213.94
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,047.72	244.49
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,190.51	244.49
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,630.79	244.49
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	699.61	61.12
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	674.77	61.12
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	705.81	61.12
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	885.85	61.12
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,175.69	305.62
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,618.38	244.49
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,697.17	305.62
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,152.28	244.49

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	767.54	213.94
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	937.23	244.49

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,629.32	213.94
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	2,174.66	213.94
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	2,105.33	213.94
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,939.90	213.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,060.33	61.12
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,060.33	61.12
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	1,028.06	61.12
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	1,028.06	61.12
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,582.52	61.12
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,582.52	61.12
22 45 26 00-0036		Emergency Eye/Face Wash Equipment (Guardian) *(22 45 26 00-0001)*		
		Note: Includes one pull rod.		
22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,773.29	213.94

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	748.79	76.41
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	860.54	76.41

22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*

22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	803.17	76.41
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	738.41	76.41
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,119.47	76.41
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	1,047.40	76.41
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,073.21	76.41
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,413.02	76.41
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,639.03	76.41
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,562.39	76.41

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,426.36	397.30
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	3,010.91	397.30
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,110.73	397.30
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,333.73	397.30
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,458.39	397.30
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,315.60	397.30
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,986.57	397.30
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,221.99	397.30
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,526.19	397.30
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,594.47	397.30
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	4,010.42	397.30
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,252.54	397.30
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,184.25	397.30
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,232.93	397.30
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,568.17	397.30
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,831.67	397.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,986.57	397.30
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,241.10	397.30
22 45 33 00-0021		**Emergency Shower With Eye/Face Wash (Speakman)** *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,840.37	397.30
22 45 33 00-0023		**Emergency Shower With Eye/Face Wash (WaterSaver)** *(22 45 33 00-0001)*		
22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,417.44	331.92
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	7,581.80	331.92
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,949.94	331.92
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,694.25	331.92
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,495.28	331.92
22 45 36		**Emergency Fixture Water-Tempering Equipment** *(22 45)*		
22 45 36 00-0001		**Emergency Fixture Water-Tempering Equipment** *(22 45 36)*		
22 45 36 00-0002		**Emergency Fixture Water-Tempering Equipment (Haws)** *(22 45 36 00-0001)*		
22 45 36 00-0003	EA	10 GPM, 1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	792.25	76.41
22 45 36 00-0004	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,158.53	76.41
22 45 36 00-0005	EA	31 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,698.63	76.41
22 45 36 00-0006	EA	78 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	2,002.83	76.41
22 45 36 00-0007	EA	31 GPM, 1" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,834.72	76.41
22 45 36 00-0008	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,989.92	76.41
22 45 36 00-0009	EA	74 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,019.98	76.41
22 45 36 00-0010	EA	78 GPM, 2" Diameter Inlet, 2" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,031.90	76.41
22 45 36 00-0011	EA	1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	885.37	76.41
22 45 39		**Emergency Plumbing Fixture Accessories** *(22 45)*		
22 45 39 00-0001		**Emergency Plumbing Fixture Accessories** *(22 45 39)*		
22 45 39 00-0002		**Emergency Plumbing Fixture Accessories (Haws)** *(22 45 39 00-0001)*		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	204.10	24.45
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	284.81	24.45
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	297.22	24.45
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	328.75	9.17
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	335.05	6.11
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	365.90	12.23
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	648.98	91.69
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	664.26	40.35
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	987.09	40.35
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,158.53	91.69
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,197.67	40.35
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,441.85	134.51
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,491.52	134.51
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,614.70	134.51
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,774.14	134.51
22 45 39 00-0018		**Emergency Plumbing Fixture Accessories (Speakman)** *(22 45 39 00-0001)*		
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,161.07	91.69
22 45 39 00-0020		**Emergency Plumbing Fixture Accessories (WaterSaver)** *(22 45 39 00-0001)*		
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	212.88	19.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	2,497.98	305.62
		For Angled Toilet, Add	*30.56*	
		For Offset Toilet, Add	*219.24*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	2,983.98	305.62
		For Angled Toilet, Add	*30.56*	
		For Offset Toilet, Add	*267.84*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	3,026.56	305.62
		For Angled Toilet, Add	*30.56*	
		For Offset Toilet, Add	*272.09*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	296.90	61.12

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	2,903.77	275.06
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,882.54	390.83

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,425.70	378.97
		For Angled Toilet, Add	*37.90*	
		For Offset Toilet, Add	*404.67*	
		For 15" Mirror/Shelf Module, Add	*928.97*	
		For AC Duplex Outlet Option, Add	*105.79*	
		For Intercom Option, Add	*150.79*	
		For 15" Wide Light/Ventilation Module, Add	*862.38*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	4,563.68	397.30
		For Angled Toilet, Add	*39.73*	
		For Offset Toilet, Add	*416.64*	
		For 18" Mirror/Shelf Module, Add	*972.31*	
		For AC Duplex Outlet Option, Add	*109.46*	
		For Intercom Option, Add	*154.46*	
		For 18" Wide Light/Ventilation Module, Add	*888.38*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	4,670.84	415.64
		For Angled Toilet, Add	*41.56*	
		For Offset Toilet, Add	*425.52*	
		For 20" Mirror/Shelf Module, Add	*1,025.65*	
		For AC Duplex Outlet Option, Add	*113.13*	
		For Intercom Option, Add	*158.13*	
		For 20" Wide Light/Ventilation Module, Add	*924.39*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	4,992.35	433.97
		For Angled Toilet, Add	*43.40*	
		For Offset Toilet, Add	*455.84*	
		For 26" Mirror/Shelf Module, Add	*1,068.98*	
		For AC Duplex Outlet Option, Add	*116.80*	
		For Intercom Option, Add	*161.80*	
		For 26" Wide Light/Ventilation Module, Add	*955.39*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,902.44	452.31
		For Angled Toilet, Add	*45.23*	
		For Offset Toilet, Add	*745.01*	
		For 28" Mirror/Shelf Module, Add	*1,107.32*	
		For AC Duplex Outlet Option, Add	*120.46*	
		For Intercom Option, Add	*165.46*	
		For 28" Wide Light/Ventilation Module, Add	*986.39*	

22 46 16 Security Lavatories and Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,796.70	213.94
		For Shelf, Add	*99.18*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	1,824.89	213.94
		For Shelf, Add	*99.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,062.94	213.94
		For Shelf, Add	*99.18*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	1,824.89	213.94
		For Shelf, Add	*99.18*	

22 46 16 16 Security Sinks *(22 46 16)*

22 46 16 16-0001 Security Sinks *(22 46 16 16)*

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	3,787.10	325.79

22 46 16 16-0003 Security Mop Sink *(22 46 16 16)*

22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,255.74	183.37

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	698.79	163.20
22 46 19 00-0002	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	489.07	85.58
22 46 19 00-0003	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	9,668.57	488.99
22 46 19 00-0004	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	10,009.21	488.99
22 46 19 00-0005	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	10,359.79	488.99
22 46 19 00-0006	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	13,104.78	488.99
22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)	1,013.23	128.36
		For PWT Electronic FV, Add	*148.00*	
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)	1,210.51	128.36
		For PWT Electronic FV, Add	*148.00*	

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,032.33	244.49
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,045.93	244.49

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,530.61	198.65
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,718.86	213.94
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,362.77	198.65
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	4,018.56	213.94
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,667.02	198.65
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	2,003.81	213.94
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,897.24	198.65
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,314.99	213.94

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,712.03	213.94
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,676.35	213.94
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,390.71	275.06
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	3,630.95	275.06
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,129.23	275.06
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	2,852.73	275.06
22 47 13 00-0018	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,198.11	213.94
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,090.60	213.94
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	2,959.20	213.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	2,839.74	213.94
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,588.87	213.94
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,481.36	213.94
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,361.90	213.94
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,361.90	213.94
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,254.39	213.94
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,254.39	213.94
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,206.61	213.94
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,206.61	213.94
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,099.09	213.94
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,039.37	213.94
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	1,955.74	213.94
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	1,919.91	213.94
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,800.45	213.94
22 47 13 00-0035	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,039.37	213.94
22 47 13 00-0036	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,800.45	213.94
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	1,905.74	213.94
22 47 13 00-0038	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	1,907.96	213.94
22 47 13 00-0039	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,570.69	152.81
22 47 13 00-0040	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,188.42	152.81
22 47 13 00-0041		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0042	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,325.28	229.22
22 47 13 00-0043	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	5,103.89	229.22
22 47 13 00-0044		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0045	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,487.47	244.49
22 47 13 00-0046	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,619.18	244.49
22 47 13 00-0047		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0048	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	1,010.30	152.81
22 47 13 00-0049	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	970.17	152.81
22 47 13 00-0050	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,190.09	152.81
22 47 13 00-0051		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0052	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	843.36	152.81
22 47 13 00-0053	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	1,029.78	152.81
22 47 13 00-0054		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0055	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,803.77	244.49
22 47 13 00-0056	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,068.61	244.49
22 47 13 00-0057	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,577.27	244.49
22 47 13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,843.86	244.49
22 47 13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,867.98	244.49
22 47 13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,196.95	311.88
22 47 13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,623.55	244.49
22 47 13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,524.62	244.49
22 47 13 00-0063		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0064		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0063)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,158.14	244.49
22 47 13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,376.11	244.49
22 47 13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,281.47	244.49
22 47 13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,397.10	244.49
22 47 13 00-0069	EA	Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM) Note: For use with remote chillers	1,891.29	244.49
22 47 13 00-0070		Free Standing Outdoor Drinking Fountains *(22 47 13 00-0063)*		
22 47 13 00-0071	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,201.10	229.22
22 47 13 00-0072	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,940.52	229.22
22 47 13 00-0073	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,195.32	229.22
22 47 13 00-0074	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,829.42	229.22
22 47 13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,285.14	244.49
22 47 13 00-0076	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,401.29	244.49
22 47 13 00-0077	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,319.72	229.22
22 47 13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,074.91	229.22
22 47 13 00-0079	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,814.33	229.22
22 47 13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,854.43	244.49
22 47 13 00-0081	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,662.17	244.49
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,826.78	244.49
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,160.90	244.49
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,238.45	244.49
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,324.49	244.49
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,594.07	244.49
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,697.32	244.49
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,968.86	244.49
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,298.67	244.49
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,783.87	244.49
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,740.81	244.49
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	3,010.65	366.74
22 47 16 00-0015		Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,691.33	244.49
22 47 16 00-0017		Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,320.92	275.06
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,527.84	275.06
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,662.72	275.06
22 47 16 00-0021		Free Standing Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	2,167.28	213.94
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,335.05	213.94
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,663.44	213.94
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,974.61	213.94
22 47 16 00-0026		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	728.19	122.25
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	882.29	122.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0029		**Multi-Station Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,353.65	366.74
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,319.74	366.74
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,278.81	366.74
22 47 16 00-0033		**Outdoor Water Coolers** *(22 47 16)*		
22 47 16 00-0034		**Wall Mounted Outdoor Water Coolers** *(22 47 16 00-0033)*		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,368.31	152.81
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,125.75	152.81
22 47 16 00-0037		**Free Standing Outdoor Water Coolers** *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	3,918.61	229.22
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,721.64	229.22
22 47 16 00-0040		**Removal And Reinstallation Of Fixtures And Trim** *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	593.67	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	132.77	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		**Bottle Filler** *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	4,143.23	244.49
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	7,262.59	244.49
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,343.03	275.06
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,106.95	275.06
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,870.87	275.06
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		**Remote Chillers** *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,366.72	82.52
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,093.43	91.69
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,785.57	106.96
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,305.12	122.25
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,614.72	183.37
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,919.13	198.65
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		**Water Cooler Carriers** *(22 47 26)*		
22 47 26 00-0002		**Floor Mounted, Water Cooler Carriers** *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	614.48	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*376.77*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	728.30	46.46
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*376.77*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001 **Pool Drains** *(22 51 13)*

22 51 13 00-0002 **Cast Iron Pool Drain With Bottom Outlet** *(22 51 13 00-0001)*
Note: Large square top and 24" loose set round super-flo grate.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0003	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	2,266.60	77.01
		For Polished Bronze Top, Add	*769.60*	
		For Chromium Plated Top, Add	*805.00*	
		For Galvanized Top, Add	*276.40*	
		For Vandal Proof Construction, Add	*57.20*	

22 51 13 00-0004 Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0001)*

Note: Bottom outlet 14" square top and loose set square flange.

22 51 13 00-0005	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	712.74	77.01
		For Clamp Device, Add	*13.80*	
		For Galvanized Top, Add	*38.10*	
		For Polished Bronze Top, Add	*133.50*	
		For Chromium Plated Top, Add	*146.90*	
		For Hinge Grate, Add	*28.60*	
		For Supplementary Strainer, Add	*7.00*	
		For Threaded Outlet, Add	*9.50*	
		For Vandal Proof Construction, Add	*17.10*	
		For Ground Screw, Add	*18.30*	

22 51 13 00-0006 Pool Supply Fittings *(22 51 13)*

22 51 13 00-0007 Cast Iron Pool Supply Fittings *(22 51 13 00-0006)*

Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.

22 51 13 00-0008	EA	Cast Iron Pool Fitting For 2" Diameter Pipe	890.93	137.53
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 13 00-0009	EA	Cast Iron Pool Fitting For 3" Diameter Pipe	890.93	137.53
		For Chromium Plated Head, Add	*11.50*	
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	

22 51 13 00-0010 Swimming Pool Gutters *(22 51 13)*

22 51 13 00-0011	LF	Swimming Pool Gutters, Stainless	293.39	27.51

22 51 16 Swimming Pool Pumps *(22 51)*

22 51 16 00-0001 Variable Speed Pool Pumps *(22 51 16)*

22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,938.35	519.55
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,207.88	519.55
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,569.64	519.55

22 51 16 00-0005 Electric Powered Portable Vacuum Cleaner Pump *(22 51 16)*

Note: Includes 75' of 3 wire electric safety cord.

22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	400.97	61.12
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	673.81	61.12

22 51 16 00-0008 Gasoline Driven Portable Vacuum Cleaner Pump *(22 51 16)*

22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,487.67	61.12

22 51 19 Swimming Pool Water Treatment Equipment *(22 51)*

22 51 19 00-0001 Swimming Pool Chlorinators *(22 51 19)*

22 51 19 00-0002	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,219.23	174.82

22 51 19 00-0003 Condensing Pool Water Heater *(22 51 19)*

22 51 19 00-0004	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	41,779.92	876.28
22 51 19 00-0005	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	45,535.08	1,051.53
22 51 19 00-0006	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	49,931.44	1,139.17
22 51 19 00-0007	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	61,305.99	1,226.79
22 51 19 00-0008	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	63,598.61	1,314.42
22 51 19 00-0009	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	96,324.67	1,577.30
22 51 19 00-0010	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	123,366.30	1,664.93
22 51 19 00-0011	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	128,353.68	1,796.37

22 51 19 00-0012 Non-Condensing Pool Water Heater *(22 51 19)*

22 51 19 00-0013	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	22,625.33	1,139.17
22 51 19 00-0014	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	24,115.60	1,226.79
22 51 19 00-0015	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	26,267.97	1,314.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0016	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	34,682.06	1,577.30
22 51 19 00-0017	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	40,157.99	1,664.93
22 51 19 00-0018	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	42,873.67	1,796.37
22 51 19 00-0019	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	42,499.94	1,884.00
22 51 19 00-0020	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	54,986.02	1,927.82
22 51 19 00-0021		**Swimming Pool Heaters** *(22 51 19)* Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0022		**Electric Pool Heaters** *(22 51 19 00-0021)*		
22 51 19 00-0023	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,435.72	244.49
22 51 19 00-0024	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,953.59	262.83
22 51 19 00-0025	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,508.35	305.62
22 51 19 00-0026	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,845.54	366.74
22 51 19 00-0027	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,467.97	513.44
22 51 19 00-0028	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,462.40	733.49
22 51 19 00-0029		**Gas Fired Pool Heaters** *(22 51 19 00-0021)*		
22 51 19 00-0030	EA	120 MBH Output Gas Fired Pool Heater	6,506.97	1,143.92
22 51 19 00-0031	EA	180 MBH Output Gas Fired Pool Heater	7,391.33	1,307.34
22 51 19 00-0032	EA	240 MBH Output Gas Fired Pool Heater	8,351.63	1,470.76
22 51 19 00-0033	EA	300 MBH Output Gas Fired Pool Heater	9,614.36	1,797.60
22 51 19 00-0034	EA	360 MBH Output Gas Fired Pool Heater	9,905.83	1,897.85
22 51 19 00-0035	EA	400 MBH Output Gas Fired Pool Heater	11,527.49	2,291.85
22 51 19 00-0036	EA	500 MBH Output Gas Fired Pool Heater	18,141.13	2,644.45
22 51 19 00-0037	EA	600 MBH Output Gas Fired Pool Heater	21,037.07	2,908.89
22 51 19 00-0038	EA	750 MBH Output Gas Fired Pool Heater	23,723.62	3,173.33
22 51 19 00-0039	EA	1,000 MBH Output Gas Fired Pool Heater	30,420.79	3,746.29
22 51 19 00-0040		**Surge Tanks** *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0041	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	18,691.27	934.40
22 51 19 00-0042	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	20,903.75	934.40
22 51 19 00-0043	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	25,222.55	1,177.58
22 51 19 00-0044	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	33,594.85	1,900.52
22 51 19 00-0045		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0046	EA	35,000 Gallon Filter System, Diatomite	16,141.08	3,371.30
22 51 19 00-0047	EA	45,000 Gallon Filter System, Diatomite	19,255.13	4,045.55
22 51 19 00-0048		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0049	EA	20 Gallon/Day Capacity, Silver Recovery System	2,110.68	414.91
22 51 19 00-0050	EA	40 Gallon/Day Capacity, Silver Recovery System	3,085.94	553.26
22 51 19 00-0051		**Inline Water Filter** *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0052	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	286.77	122.25
22 51 19 00-0053	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	505.91	183.37
22 51 19 00-0054		**Ultra-Violet Pool Treatment Lights** *(22 51 19)*		
22 51 19 00-0055		**Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta ELP Amalgam Series		
22 51 19 00-0056	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,209.30	381.18
22 51 19 00-0057	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,136.77	381.18
22 51 19 00-0058	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,931.75	381.18
22 51 19 00-0059	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,499.02	403.61
22 51 19 00-0060	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,892.98	403.61
22 51 19 00-0061	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,470.31	403.61
22 51 19 00-0062	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,534.00	724.87
22 51 19 00-0063	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,334.23	724.87
22 51 19 00-0064	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,179.80	724.87
22 51 19 00-0065	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	46,308.26	869.61
22 51 19 00-0066	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	49,733.70	869.61
22 51 19 00-0067	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	52,125.07	869.61
22 51 19 00-0068	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	54,710.32	869.61
22 51 19 00-0069	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	58,767.05	988.46
22 51 19 00-0070	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	63,291.26	988.46
22 51 19 00-0071	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,815.44	988.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0072	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	73,309.10	988.46
22 51 19 00-0073		**HDPE Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)*		
		Note: Delta EL Series		
22 51 19 00-0074	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,081.96	381.18
22 51 19 00-0075	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,986.76	381.18
22 51 19 00-0076	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,925.41	403.61
22 51 19 00-0077		**In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)*		
		Note: Delta EM Series		
22 51 19 00-0078	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,349.20	381.18
22 51 19 00-0079	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,672.33	381.18
22 51 19 00-0080	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	33,821.20	724.87
22 51 19 00-0081	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,830.78	724.87
22 51 19 00-0082	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	59,751.56	869.61
22 51 19 00-0083	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,427.66	988.46
22 51 19 00-0084	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	79,502.56	1,279.11
22 51 19 00-0085	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	89,197.23	1,279.11
22 51 23		**Swimming Pool Equipment Controls** *(22 51)*		
22 51 23 00-0001		**Pool Pump Variable Frequency Drive** *(22 51 23)*		
		Note: Pentair Acu Drive XS		
22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,803.73	258.25
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,159.01	290.53
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	6,180.46	363.16
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,576.85	433.37
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	7,042.90	504.39
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	7,982.61	576.22
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,809.76	258.25
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	5,072.59	290.53
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,473.01	363.16
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	5,889.50	433.37
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	6,944.42	504.39
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	7,715.31	576.22
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	6,198.54	258.25
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	7,126.61	290.53
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	7,924.96	363.16
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,548.46	433.37
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	10,063.63	504.39
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	11,347.02	576.22
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,654.76	258.25
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	6,922.01	290.53
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,315.99	363.16
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	7,734.49	433.37
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	8,827.61	504.39
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	9,660.79	576.22
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,572.29	258.25
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,648.06	258.25
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,694.86	258.25
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	4,820.98	258.25
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	5,011.49	258.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	5,159.27	258.25
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,524.60	290.53
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,588.20	363.16
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	7,051.10	433.37
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,531.30	504.39
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,557.23	576.22
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	11,236.40	718.26
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	12,403.66	790.89
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	14,665.43	863.53
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	17,063.84	1,008.79
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	18,690.58	1,081.42
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,666.71	258.25
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,764.56	258.25
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	4,887.68	258.25
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	4,993.52	258.25
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	5,101.37	258.25
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	5,215.18	258.25
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,486.65	290.53
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	5,891.27	363.16
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,317.82	433.37
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,676.29	504.39
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,464.96	576.22
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	9,336.48	718.26
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,558.69	790.89
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	11,918.36	863.53
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	14,602.01	1,008.79
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	16,040.32	1,081.42
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	17,982.51	1,154.05
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	21,294.90	1,222.65
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	24,549.44	1,291.25
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	26,630.51	1,444.59
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	31,081.03	1,581.78
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	6,592.26	258.25
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	6,668.03	258.25
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	6,714.83	258.25
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	6,840.95	258.25
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	7,031.46	258.25
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	7,179.24	258.25
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	7,544.57	290.53
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	8,379.50	363.16
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	9,075.95	433.37
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	10,631.60	504.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	12,015.44	576.22
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	14,146.87	718.26
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	15,574.77	790.89
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	19,886.37	863.53
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	26,212.49	1,008.79
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	28,806.28	1,081.42
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	6,563.60	258.25
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	6,661.43	258.25
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	6,784.57	258.25
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	6,890.41	258.25
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	6,998.24	258.25
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	7,112.07	258.25
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	7,383.54	290.53
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	7,786.10	363.16
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	8,212.66	433.37
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,612.27	504.39
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	10,464.61	576.22
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	11,471.67	718.26
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	12,927.68	790.89
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	15,303.87	863.53
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	17,610.82	1,008.79
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	19,603.63	1,081.42
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	22,757.43	1,154.05
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	29,991.77	1,222.65
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	33,174.58	1,291.25
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	41,666.67	1,444.59
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	48,951.23	1,581.78
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	448.75	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	716.09	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	792.46	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,346.24	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,568.36	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,610.62	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,684.09	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,838.06	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,971.68	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,303.23	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,372.27	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,519.18	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,648.65	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,165.56	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,178.83	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	4,104.28	215.21
		For Bypass Panel, Add	*942.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	4,108.19	215.21
		For Bypass Panel, Add	*942.20*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,182.87	242.11
		For Bypass Panel, Add	*942.20*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,346.98	302.64
		For Bypass Panel, Add	*942.20*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,705.37	361.14
		For Bypass Panel, Add	*942.20*	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,238.60	420.33
		For Bypass Panel, Add	*1,111.52*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	6,172.41	480.19
		For Bypass Panel, Add	*1,111.52*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,436.70	601.24
		For Bypass Panel, Add	*1,111.52*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,692.75	661.09
		For Bypass Panel, Add	*1,111.52*	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,937.66	720.28
		For Bypass Panel, Add	*1,351.27*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	4,082.10	215.21
		For Bypass Panel, Add	*942.20*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	4,087.32	215.21
		For Bypass Panel, Add	*942.20*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	4,112.10	215.21
		For Bypass Panel, Add	*942.20*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,203.75	242.11
		For Bypass Panel, Add	*1,111.52*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,571.38	302.64
		For Bypass Panel, Add	*1,111.52*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	5,099.37	361.14
		For Bypass Panel, Add	*1,111.52*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	6,040.96	420.33
		For Bypass Panel, Add	*1,351.27*	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	6,185.45	480.19
		For Bypass Panel, Add	*1,351.27*	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,554.77	601.24
		For Bypass Panel, Add	*1,831.09*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,802.34	661.09
		For Bypass Panel, Add	*2,517.04*	

22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	572.04	100.88
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	572.04	100.88
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	601.57	67.25
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	671.10	30.26
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	693.48	33.63
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	710.64	36.99
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	742.15	40.35
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	756.71	43.71
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	986.53	47.07
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	1,028.48	50.44
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,074.34	53.81
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,118.90	57.17
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,158.24	60.53
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,590.28	63.89
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	206.85	33.63
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	221.40	36.99
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	247.69	40.35
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	324.87	43.71
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	364.22	47.07
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	377.46	50.44
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	390.71	53.81
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	414.40	57.17
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	522.88	60.53
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	537.44	63.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	208.15	33.63
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	229.23	36.99
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	251.61	40.35
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	264.86	43.71
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	276.81	47.07
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	346.15	50.44
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	360.70	53.81
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	379.17	57.17
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	392.42	60.53
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	472.20	63.89
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	514.16	67.25
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	84.14	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	114.19	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	141.63	
22 51 23 00-0176		**Pool Flow Meters** *(22 51 23)*		
22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	151.18	24.45
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	151.18	24.45
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	236.77	45.84
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	200.08	48.90
22 51 23 00-0181		**Paddlewheel Flow Sensors** *(22 51 23)*		
22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0) Note: Includes 25' of cable (extendable to 200').	1,008.39	77.68
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,333.24	77.68
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,333.24	77.68
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	1,384.13	77.68
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	1,438.92	77.68
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,542.64	77.68
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,542.64	77.68
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,607.22	77.68
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,669.84	77.68
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1) Note: Includes 25' of cable (extendable to 200').	1,053.40	77.68
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,384.13	77.68
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,384.13	77.68
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,438.92	77.68
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,489.80	77.68
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2) Note: Includes 25' of cable (extendable to 200').	1,094.50	77.68
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	336.52	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	465.26	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	572.47	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	703.17	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	929.75	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	943.03	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	334.61	21.52
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	457.90	21.52
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	563.57	21.52
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	712.30	21.52
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	986.28	21.52

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 63 Gas Systems for Laboratory and Healthcare Facilities *(22 60)*

22 63 13 Gas Piping for Laboratory and Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2234 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.42	6.96
		For Schedule 80, Add	*2.56*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.19*	
		For Work In Restricted Working Space, Add	*3.15*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	18.47	7.82
		For Schedule 80, Add	*3.46*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.96*	
		For Work In Restricted Working Space, Add	*3.55*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	29.11	11.37
		For Schedule 80, Add	*6.25*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.13*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	39.27	14.79
		For Schedule 80, Add	*8.87*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.59*	
		For Work In Restricted Working Space, Add	*6.67*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	63.33	21.76
		For Schedule 80, Add	*15.98*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.67*	
		For Work In Restricted Working Space, Add	*9.78*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	59.27	26.29
		For Work In Restricted Working Space, Add	*11.83*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	76.66	34.72
		For Work In Restricted Working Space, Add	*15.61*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	101.46	39.73
		For Work In Restricted Working Space, Add	*17.89*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	145.45	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	280.06	77.63
		For Work In Restricted Working Space, Add	*34.93*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	58.93	26.29
		For Work In Restricted Working Space, Add	*11.83*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	75.76	34.72
		For Work In Restricted Working Space, Add	*15.61*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	103.17	39.73
		For Work In Restricted Working Space, Add	*17.89*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	128.25	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	253.39	77.63
		For Work In Restricted Working Space, Add	*34.93*	

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	108.95	56.23
		For Work In Restricted Working Space, Add	*25.29*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	135.82	70.90
		For Work In Restricted Working Space, Add	*31.89*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	175.48	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	241.24	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	420.36	163.08
		For Work In Restricted Working Space, Add	*73.35*	

22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	135.78	70.90
		For Work In Restricted Working Space, Add	*31.89*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	171.35	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	167.69	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	231.84	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	235.39	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	394.19	163.08
		For Work In Restricted Working Space, Add	*73.35*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	120.98	56.23
		For Work In Restricted Working Space, Add	*25.29*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	138.73	70.90
		For Work In Restricted Working Space, Add	*31.89*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	184.38	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	245.35	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	369.61	163.08
		For Work In Restricted Working Space, Add	*73.35*	
22 66 53 00-0040		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	115.70	56.23
		For Work In Restricted Working Space, Add	*25.29*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	142.07	70.90
		For Work In Restricted Working Space, Add	*31.89*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	179.20	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	244.33	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	476.83	163.08
		For Work In Restricted Working Space, Add	*73.35*	
22 66 53 00-0046		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	150.34	70.90
		For Work In Restricted Working Space, Add	*31.89*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	174.96	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	174.96	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	240.67	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	240.67	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	428.19	163.08
		For Work In Restricted Working Space, Add	*73.35*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	431.04	163.08
		For Work In Restricted Working Space, Add	*73.35*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	395.39	163.08
		For Work In Restricted Working Space, Add	*73.35*	
22 66 53 00-0055		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses** *(22 66 53 00-0002)*		
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	144.00	70.29
		For Work In Restricted Working Space, Add	*31.61*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	179.15	88.63
		For Work In Restricted Working Space, Add	*39.86*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	238.11	97.06
		For Work In Restricted Working Space, Add	*43.66*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	329.64	127.38
		For Work In Restricted Working Space, Add	*57.30*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	581.32	203.78
		For Work In Restricted Working Space, Add	*91.69*	
22 66 53 00-0061		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	106.74	56.23
		For Work In Restricted Working Space, Add	*25.29*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	139.08	70.90
		For Work In Restricted Working Space, Add	*31.89*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	158.37	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	218.04	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	129.32	70.90
		For Work In Restricted Working Space, Add	*31.89*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	154.44	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	156.02	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	212.20	101.95
		For Work In Restricted Working Space, Add	*45.84*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	213.20	101.95
		For Work In Restricted Working Space, Add	*45.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0071		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps** *(22 66 53 00-0002)*		
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	125.94	65.28
		For Work In Restricted Working Space, Add	*29.34*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	167.40	85.82
		For Work In Restricted Working Space, Add	*38.60*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	250.80	116.50
		For Work In Restricted Working Space, Add	*52.39*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	350.26	148.29
		For Work In Restricted Working Space, Add	*66.68*	
22 66 53 00-0076		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	58.33	26.29
		For Work In Restricted Working Space, Add	*11.83*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	71.72	34.72
		For Work In Restricted Working Space, Add	*15.61*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	84.01	39.73
		For Work In Restricted Working Space, Add	*17.89*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	114.00	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	169.04	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0082		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	55.96	26.29
		For Work In Restricted Working Space, Add	*11.83*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	73.51	34.72
		For Work In Restricted Working Space, Add	*15.61*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	87.30	39.73
		For Work In Restricted Working Space, Add	*17.89*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	117.23	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0087		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings** *(22 66 53 00-0002)*		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	53.01	26.29
		For Work In Restricted Working Space, Add	*11.83*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	68.21	34.72
		For Work In Restricted Working Space, Add	*15.61*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	79.29	39.73
		For Work In Restricted Working Space, Add	*17.89*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	104.86	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	154.20	77.63
		For Work In Restricted Working Space, Add	*34.93*	
22 66 53 00-0093		**Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
22 66 53 00-0094		**Glass Acid Resistant DWV Pipe** *(22 66 53 00-0093)*		
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	30.33	6.72
		For Work In Restricted Working Space, Add	*4.04*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	37.67	7.34
		For Work In Restricted Working Space, Add	*4.40*	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	52.18	10.27
		For Work In Restricted Working Space, Add	*6.18*	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	84.10	13.33
		For Work In Restricted Working Space, Add	*8.00*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	139.35	18.22
		For Work In Restricted Working Space, Add	*10.91*	
22 66 53 00-0100		**Glass Acid Resistant DWV 90 Or 60 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	95.71	29.95
		For Work In Restricted Working Space, Add	*17.93*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	108.80	31.78
		For Work In Restricted Working Space, Add	*19.04*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	146.82	36.06
		For Work In Restricted Working Space, Add	*21.64*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	214.61	47.67
		For Work In Restricted Working Space, Add	*28.61*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	495.52	66.01
		For Work In Restricted Working Space, Add	*39.61*	
22 66 53 00-0106		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps** *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	95.96	30.07
		For Work In Restricted Working Space, Add	*18.01*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	108.30	31.42
		For Work In Restricted Working Space, Add	*18.89*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	146.58	35.94
		For Work In Restricted Working Space, Add	*21.56*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	214.62	47.67
		For Work In Restricted Working Space, Add	*28.61*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	495.49	66.01
		For Work In Restricted Working Space, Add	*39.60*	
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	96.94	30.07
		For Work In Restricted Working Space, Add	*18.01*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	109.48	31.42
		For Work In Restricted Working Space, Add	*18.89*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	148.64	35.94
		For Work In Restricted Working Space, Add	*21.56*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	214.62	47.67
		For Work In Restricted Working Space, Add	*28.61*	
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	96.94	30.07
		For Work In Restricted Working Space, Add	*18.01*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	109.48	31.42
		For Work In Restricted Working Space, Add	*18.89*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	148.64	35.94
		For Work In Restricted Working Space, Add	*21.56*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	214.62	47.67
		For Work In Restricted Working Space, Add	*28.61*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	110.94	30.07
		For Work In Restricted Working Space, Add	*18.01*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	129.60	31.42
		For Work In Restricted Working Space, Add	*18.89*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	154.25	44.99
		For Work In Restricted Working Space, Add	*27.02*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	190.33	46.58
		For Work In Restricted Working Space, Add	*27.95*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	178.66	47.19
		For Work In Restricted Working Space, Add	*28.33*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	238.39	53.91
		For Work In Restricted Working Space, Add	*32.35*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	387.13	71.52
		For Work In Restricted Working Space, Add	*42.90*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	589.92	99.02
		For Work In Restricted Working Space, Add	*59.42*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	148.37	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	152.04	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	193.96	53.79
		For Work In Restricted Working Space, Add	*32.27*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	298.01	71.52
		For Work In Restricted Working Space, Add	*42.91*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	613.26	99.02
		For Work In Restricted Working Space, Add	*59.42*	
22 66 53 00-0138		**Glass Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	150.81	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	177.84	50.73
		For Work In Restricted Working Space, Add	*30.44*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	188.23	51.95
		For Work In Restricted Working Space, Add	*31.17*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	241.45	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	252.19	63.57
		For Work In Restricted Working Space, Add	*38.14*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	264.40	65.40
		For Work In Restricted Working Space, Add	*39.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	455.25	81.90
		For Work In Restricted Working Space, Add	*49.15*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	489.34	83.74
		For Work In Restricted Working Space, Add	*50.24*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	503.23	89.85
		For Work In Restricted Working Space, Add	*53.91*	

22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	208.65	59.90
		For Work In Restricted Working Space, Add	*35.95*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	214.73	62.96
		For Work In Restricted Working Space, Add	*37.77*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	274.80	72.12
		For Work In Restricted Working Space, Add	*43.28*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	440.89	95.35
		For Work In Restricted Working Space, Add	*57.20*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	774.31	132.02
		For Work In Restricted Working Space, Add	*79.22*	

22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	212.28	61.73
		For Work In Restricted Working Space, Add	*37.04*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	243.43	66.01
		For Work In Restricted Working Space, Add	*39.61*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	256.39	67.24
		For Work In Restricted Working Space, Add	*40.34*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	366.59	77.63
		For Work In Restricted Working Space, Add	*46.58*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	363.97	79.46
		For Work In Restricted Working Space, Add	*47.68*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	390.13	83.74
		For Work In Restricted Working Space, Add	*50.25*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	512.91	97.80
		For Work In Restricted Working Space, Add	*58.67*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	556.35	102.07
		For Work In Restricted Working Space, Add	*61.24*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	629.49	113.69
		For Work In Restricted Working Space, Add	*68.20*	

22 66 53 00-0164 Glass Acid Resistant DWV Tees *(22 66 53 00-0093)*

22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	162.14	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	165.78	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	211.04	53.79
		For Work In Restricted Working Space, Add	*32.27*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	324.80	71.52
		For Work In Restricted Working Space, Add	*42.90*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	645.38	99.02
		For Work In Restricted Working Space, Add	*59.42*	

22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees *(22 66 53 00-0093)*

22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	164.55	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	192.17	50.73
		For Work In Restricted Working Space, Add	*30.44*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	196.67	51.95
		For Work In Restricted Working Space, Add	*31.17*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	244.60	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	250.71	63.57
		For Work In Restricted Working Space, Add	*38.14*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	296.62	65.40
		For Work In Restricted Working Space, Add	*39.25*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	548.22	83.74
		For Work In Restricted Working Space, Add	*50.24*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	572.11	89.85
		For Work In Restricted Working Space, Add	*53.90*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	185.69	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	205.73	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	261.39	53.79
		For Work In Restricted Working Space, Add	*32.27*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	439.55	71.52
		For Work In Restricted Working Space, Add	*42.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	645.38	99.02
		For Work In Restricted Working Space, Add	*59.42*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	151.34	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	154.98	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	205.74	53.79
		For Work In Restricted Working Space, Add	*32.27*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	311.15	71.52
		For Work In Restricted Working Space, Add	*42.90*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	604.25	99.02
		For Work In Restricted Working Space, Add	*59.42*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	153.75	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	183.92	50.73
		For Work In Restricted Working Space, Add	*30.44*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	188.92	51.95
		For Work In Restricted Working Space, Add	*31.17*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	253.24	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	255.62	63.57
		For Work In Restricted Working Space, Add	*38.14*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	276.01	65.40
		For Work In Restricted Working Space, Add	*39.25*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	442.46	81.90
		For Work In Restricted Working Space, Add	*49.14*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	507.38	83.74
		For Work In Restricted Working Space, Add	*50.24*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	550.90	89.85
		For Work In Restricted Working Space, Add	*53.90*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	238.29	59.90
		For Work In Restricted Working Space, Add	*35.94*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	244.41	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	320.82	72.12
		For Work In Restricted Working Space, Add	*43.27*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	487.88	95.35
		For Work In Restricted Working Space, Add	*57.20*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	799.74	132.02
		For Work In Restricted Working Space, Add	*79.25*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	241.91	61.73
		For Work In Restricted Working Space, Add	*37.03*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	250.49	66.01
		For Work In Restricted Working Space, Add	*39.60*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	285.13	67.24
		For Work In Restricted Working Space, Add	*40.34*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	348.17	77.63
		For Work In Restricted Working Space, Add	*46.59*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	366.34	79.46
		For Work In Restricted Working Space, Add	*47.68*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	426.11	83.74
		For Work In Restricted Working Space, Add	*50.24*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	643.56	97.80
		For Work In Restricted Working Space, Add	*58.66*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	675.22	102.07
		For Work In Restricted Working Space, Add	*61.25*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	724.07	113.69
		For Work In Restricted Working Space, Add	*68.22*	

22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	166.88	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	171.17	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	215.36	53.79
		For Work In Restricted Working Space, Add	*32.27*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	316.16	71.52
		For Work In Restricted Working Space, Add	*42.90*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	590.21	99.02
		For Work In Restricted Working Space, Add	*59.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0223		**Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	169.94	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	186.38	50.73
		For Work In Restricted Working Space, Add	*30.44*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	198.73	51.95
		For Work In Restricted Working Space, Add	*31.17*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	247.35	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	256.90	63.57
		For Work In Restricted Working Space, Add	*38.14*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	277.48	65.40
		For Work In Restricted Working Space, Add	*39.25*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	443.34	81.90
		For Work In Restricted Working Space, Add	*49.14*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	498.84	83.74
		For Work In Restricted Working Space, Add	*50.24*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	511.64	89.85
		For Work In Restricted Working Space, Add	*53.90*	
22 66 53 00-0233		**Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	223.56	59.90
		For Work In Restricted Working Space, Add	*35.94*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	256.77	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	339.47	72.12
		For Work In Restricted Working Space, Add	*43.27*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	531.27	95.35
		For Work In Restricted Working Space, Add	*57.20*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	868.99	132.02
		For Work In Restricted Working Space, Add	*79.25*	
22 66 53 00-0239		**Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	229.44	61.73
		For Work In Restricted Working Space, Add	*37.03*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	285.23	66.01
		For Work In Restricted Working Space, Add	*39.60*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	281.99	67.24
		For Work In Restricted Working Space, Add	*40.34*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	372.32	77.63
		For Work In Restricted Working Space, Add	*46.59*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	370.17	79.46
		For Work In Restricted Working Space, Add	*47.68*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	412.46	83.74
		For Work In Restricted Working Space, Add	*50.24*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	580.31	97.80
		For Work In Restricted Working Space, Add	*58.66*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	617.31	102.07
		For Work In Restricted Working Space, Add	*61.25*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	717.20	113.69
		For Work In Restricted Working Space, Add	*68.22*	
22 66 53 00-0249		**Glass Acid Resistant DWV Partition Compact Crosses** *(22 66 53 00-0093)*		
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	249.07	61.73
		For Work In Restricted Working Space, Add	*37.03*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Compact Cross	251.57	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	266.15	61.12
		For Work In Restricted Working Space, Add	*36.68*	
22 66 53 00-0253		**Glass Acid Resistant DWV Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	237.13	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	259.91	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	298.89	53.79
		For Work In Restricted Working Space, Add	*32.27*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	434.93	71.52
		For Work In Restricted Working Space, Add	*42.90*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	799.49	99.02
		For Work In Restricted Working Space, Add	*59.42*	
22 66 53 00-0259		**Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	238.95	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	271.68	50.73
		For Work In Restricted Working Space, Add	*30.44*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	288.35	51.95
		For Work In Restricted Working Space, Add	*31.17*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	335.69	62.96
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	353.88	63.57
		For Work In Restricted Working Space, Add	*38.14*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	386.63	65.40
		For Work In Restricted Working Space, Add	*39.25*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	552.24	83.74
		For Work In Restricted Working Space, Add	*50.24*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	626.49	89.85
		For Work In Restricted Working Space, Add	*53.90*	

22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increasers *(22 66 53 00-0093)*

22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	92.53	30.57
		For Eccentric Reducers Or Increasers, Add	*2.51*	
		For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	112.64	33.01
		For Eccentric Reducers Or Increasers, Add	*3.73*	
		For Work In Restricted Working Space, Add	*19.80*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	119.46	33.62
		For Eccentric Reducers Or Increasers, Add	*4.18*	
		For Work In Restricted Working Space, Add	*20.17*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	151.17	39.12
		For Eccentric Reducers Or Increasers, Add	*5.83*	
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	156.91	39.73
		For Eccentric Reducers Or Increasers, Add	*6.20*	
		For Work In Restricted Working Space, Add	*23.84*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	166.86	41.57
		For Eccentric Reducers Or Increasers, Add	*6.70*	
		For Work In Restricted Working Space, Add	*24.94*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	308.60	48.29
		For Eccentric Reducers Or Increasers, Add	*16.96*	
		For Work In Restricted Working Space, Add	*28.97*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	323.27	48.90
		For Eccentric Reducers Or Increasers, Add	*18.04*	
		For Work In Restricted Working Space, Add	*29.34*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	342.35	50.73
		For Eccentric Reducers Or Increasers, Add	*19.27*	
		For Work In Restricted Working Space, Add	*30.44*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	361.54	56.84
		For Eccentric Reducers Or Increasers, Add	*19.83*	
		For Work In Restricted Working Space, Add	*34.11*	

22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*

22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	200.99	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	213.93	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	237.24	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	215.32	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	232.19	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	257.86	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	219.24	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	232.19	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	257.86	47.06
		For Work In Restricted Working Space, Add	*28.24*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	263.81	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	325.53	46.46
		For Work In Restricted Working Space, Add	*27.87*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	334.62	47.06
		For Work In Restricted Working Space, Add	*28.24*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	287.66	45.23
		For Work In Restricted Working Space, Add	*27.14*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	304.04	46.46
		For Work In Restricted Working Space, Add	*27.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	339.23	47.06
		For Work In Restricted Working Space, Add	*28.24*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	45.20	15.28
		For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	50.23	15.89
		For Work In Restricted Working Space, Add	*9.53*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	61.86	17.72
		For Work In Restricted Working Space, Add	*10.64*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	95.18	23.84
		For Work In Restricted Working Space, Add	*14.30*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	135.41	33.01
		For Work In Restricted Working Space, Add	*19.80*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	539.04	59.90
		For Work In Restricted Working Space, Add	*35.94*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	57.76	15.28
		For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	62.96	15.28
		For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	93.32	30.57
		For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	171.05	31.78
		For Work In Restricted Working Space, Add	*19.07*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	173.02	31.78
		For Work In Restricted Working Space, Add	*19.07*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	192.65	31.78
		For Work In Restricted Working Space, Add	*19.07*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	160.45	31.78
		For Work In Restricted Working Space, Add	*19.07*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	163.04	45.11
		For Work In Restricted Working Space, Add	*27.06*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	170.29	47.31
		For Work In Restricted Working Space, Add	*28.38*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	228.57	53.91
		For Work In Restricted Working Space, Add	*32.35*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	322.88	71.64
		For Work In Restricted Working Space, Add	*42.95*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	24.64
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	31.08
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	41.55
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	70.02
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	163.11

22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.

22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	31.77
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	39.75
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	67.50
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	100.61
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	245.32

22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0328)*

22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	107.81	10.88
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	151.41	13.57
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	205.50	15.65
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	336.13	21.67
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	591.62	29.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,043.74	36.65
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,858.43	49.37
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,304.72	56.61
22 66 53 00-0338		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0328)*		
22 66 53 00-0339		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	440.11	92.66
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	571.71	101.95
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	920.42	122.00
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,360.57	143.16
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,110.44	233.57
22 66 53 00-0345		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	263.55	92.66
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	339.76	101.95
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	425.35	122.00
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,087.07	143.16
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,451.62	233.57
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,712.63	291.00
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,439.04	349.95
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	263.55	92.66
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	339.76	101.95
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	425.35	122.00
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	803.19	143.16
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,084.65	233.57
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,038.05	291.00
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,297.10	349.95
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	263.55	92.66
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	339.76	101.95
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	425.05	121.88
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	353.56	92.66
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	613.26	101.95
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	688.46	122.00
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	374.09	138.63
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	465.81	153.66
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	642.11	183.49
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,049.57	215.14
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,160.32	350.64
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,476.66	437.84
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	351.60	132.88
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	407.80	142.66
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	453.35	147.67
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	517.99	163.08
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	553.47	168.22
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	605.82	173.23
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	747.07	186.16
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	826.39	190.96
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	922.63	199.74
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	422.47	138.63
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	506.75	153.30
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	687.07	183.49
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	400.03	132.88
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	495.93	148.41
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	595.74	168.70
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	637.74	173.71
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	370.87	138.88
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	503.89	153.66
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	641.88	183.37
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,055.24	214.34
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	3,942.21	350.30
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	379.25	132.88
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	407.74	142.66
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	430.41	148.53
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	479.91	163.08
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	498.38	168.46
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	592.73	173.71
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	784.92	186.40
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	926.79	190.96
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	967.64	199.74
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,331.29	282.60
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,514.91	291.93
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,066.90	306.87
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	436.25	138.63
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	517.14	153.30
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	756.31	183.49
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,145.67	214.57
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	365.41	132.88
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	421.59	142.66
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	464.77	148.41
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	504.14	163.08
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	578.43	168.70
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	651.53	173.59
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	829.85	186.40
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,027.27	191.07
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,123.92	200.09
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	227.77	87.29
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	248.92	92.18
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	277.04	97.06
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	434.86	107.58
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	456.06	112.59
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	490.70	119.43
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	632.45	128.56
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	916.92	175.21
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	977.27	190.03
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	603.35	203.78
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	783.38	203.78
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	799.53	203.78
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	901.25	266.36
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	644.37	92.66
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	775.97	101.95
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	944.65	122.00
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,738.45	143.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	329.33	92.66
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	412.46	101.95
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	563.83	122.00
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	719.52	143.16
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,386.58	199.74
22 66 53 00-0455		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	6.73	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	63.47	
22 66 53 00-0458		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0459		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	85.45	8.19
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	97.20	9.05
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	133.85	11.37
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	168.59	13.20
22 66 53 00-0464		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0458)*		
22 66 53 00-0465		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	322.39	64.92
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	348.90	73.35
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	474.40	80.93
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	572.53	97.80
22 66 53 00-0470		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	187.37	64.92
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	223.14	72.61
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	284.41	81.17
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	370.63	97.06
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	217.08	68.58
22 66 53 00-0476		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	187.37	64.92
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	223.14	72.61
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	284.41	81.17
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	370.63	97.06
22 66 53 00-0481		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	218.53	64.92
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	271.60	72.61
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	412.51	81.17
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	464.10	97.06
22 66 53 00-0486		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	211.61	64.92
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	250.83	72.61
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	381.35	81.17
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	432.95	97.06
22 66 53 00-0491		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	319.55	97.67
22 66 53 00-0493		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	264.16	97.67
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	324.20	110.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	422.72	122.61
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	632.03	146.82
22 66 53 00-0498		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	304.15	105.87
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	368.45	114.18
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	391.81	118.22
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	420.53	130.43
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	460.76	134.11
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	498.00	138.14
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	264.64	98.05
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	310.35	110.02
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	408.87	122.61
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	632.03	146.82
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	294.58	106.48
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	358.04	114.06
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	375.04	118.58
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	421.11	130.81
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	461.86	134.84
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	488.13	138.51
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	393.08	130.56
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	497.18	146.94
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	631.46	162.59
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	819.29	195.47
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	432.39	138.26
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	482.66	146.46
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	571.04	154.52
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	630.42	171.14
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	754.21	179.83
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	434.55	130.56
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	510.75	146.70
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	722.87	163.45
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,003.10	195.72
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	466.94	138.26
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	603.78	146.46
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	636.72	154.52
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	682.29	171.02
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	860.58	179.10
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	291.36	97.31
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	338.05	110.02
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	408.87	122.61
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	670.11	146.82
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	321.56	105.99
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	358.52	114.42
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	388.89	118.58
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	521.51	130.81
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	534.56	134.84
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	595.45	138.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	458.51	130.31
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	572.95	146.58
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	815.45	162.95
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	979.49	196.08
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	498.10	138.26
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	593.37	146.34
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	619.41	154.52
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	689.21	171.02
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	860.58	179.10
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	218.11	69.31
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	244.98	73.35
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	287.55	85.58
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	336.52	81.30
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	356.47	85.33
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	376.42	89.36
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	199.82	57.08
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	231.80	64.54
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	272.24	73.11
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	486.59	89.00
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	90.22	32.52
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	106.37	36.31
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	116.24	40.59
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	148.97	48.53
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	356.43	64.54
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	368.54	72.61
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	454.05	81.17
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	578.35	97.06
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	491.76	69.43
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	673.63	77.51
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	813.74	85.58
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,011.37	101.95
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	654.00	73.71
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,025.83	81.54
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	681.25	73.35
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,025.83	81.54
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	608.55	73.35
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	714.25	81.54
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	702.02	73.35
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,527.82	81.54
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	915.05	81.54
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	260.51	65.28
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	338.51	73.35
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	135.67	48.90
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	242.17	53.06
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	181.70	61.12
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.75	69.55
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	272.67	73.35
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	303.03	77.38
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	325.31	85.33
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	303.08	77.51
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	319.51	81.54
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	345.26	89.36
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	388.01	85.58
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	478.24	101.95
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	83.09	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	96.94	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	103.86	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	114.25	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	620.13	32.64
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	235.63	16.26
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	436.43	16.26
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,231.68	163.08
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,749.35	171.27
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,831.61	16.26
22 66 53 00-0627		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*		
22 66 53 00-0628		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0627)*		
		Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	14.23	5.13
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	18.06	6.11
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	29.21	8.81
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	37.06	9.53
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	58.24	11.40
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	127.47	15.17
22 66 53 00-0635		**Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0627)*		
22 66 53 00-0636		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	55.79	20.41
		Note: 0.125		
		For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	70.44	26.04
		Note: 0.16		
		For Work In Restricted Working Space, Add	*11.74*	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	105.77	34.96
		Note: 0.215		
		For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	145.76	40.71
		Note: 0.25		
		For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	298.49	52.93
		Note: 0.325		
		For Work In Restricted Working Space, Add	*23.84*	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	412.25	71.27
		Note: 0.438		
		For Work In Restricted Working Space, Add	*32.09*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0643			**Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0644	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	56.66	20.41
			For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0645	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	74.68	26.04
			For Work In Restricted Working Space, Add	*11.74*	
22 66 53 00-0646	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	113.42	34.96
			For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0647	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	148.56	40.71
			For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0648			**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0649	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	55.35	20.41
			For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0650	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	69.30	26.04
			For Work In Restricted Working Space, Add	*11.74*	
22 66 53 00-0651	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	107.96	34.96
			For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0652	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	123.90	40.71
			For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0653	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	262.81	52.93
			For Work In Restricted Working Space, Add	*23.84*	
22 66 53 00-0654	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	371.34	71.27
			For Work In Restricted Working Space, Add	*32.09*	
22 66 53 00-0655			**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0656	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	55.84	20.41
			For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0657	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	69.26	26.04
			For Work In Restricted Working Space, Add	*11.74*	
22 66 53 00-0658	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	107.05	34.96
			For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0659	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	131.02	40.71
			For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0660	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	219.22	52.93
			For Work In Restricted Working Space, Add	*23.84*	
22 66 53 00-0661	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	251.07	71.27
			For Work In Restricted Working Space, Add	*32.09*	
22 66 53 00-0662			**Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0663	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	285.59	52.57
			For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0664	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	220.39	39.12
			For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0665	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	138.36	30.57
			For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0666			**Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0667	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	77.16	30.57
			For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0668	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	96.20	39.12
			For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0669	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	153.94	52.57
			For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0670	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	204.17	61.12
			For Work In Restricted Working Space, Add	*27.51*	
22 66 53 00-0671	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	494.11	79.34
			For Work In Restricted Working Space, Add	*35.76*	
22 66 53 00-0672	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	682.89	106.84
			For Work In Restricted Working Space, Add	*48.14*	
22 66 53 00-0673			**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0674	EA		2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	87.57	33.37
			For Work In Restricted Working Space, Add	*15.04*	
22 66 53 00-0675	EA		2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	93.55	36.18
			For Work In Restricted Working Space, Add	*16.32*	
22 66 53 00-0676	EA		2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	91.85	36.18
			For Work In Restricted Working Space, Add	*16.32*	
22 66 53 00-0677	EA		3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	133.02	45.23
			For Work In Restricted Working Space, Add	*20.35*	
22 66 53 00-0678	EA		3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	142.20	48.05
			For Work In Restricted Working Space, Add	*21.64*	
22 66 53 00-0679	EA		4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	181.19	53.79
			For Work In Restricted Working Space, Add	*24.21*	

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22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	192.41	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	372.56	73.23
		For Work In Restricted Working Space, Add	*33.01*	
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	822.16	91.57
		For Work In Restricted Working Space, Add	*41.26*	
22 66 53 00-0683		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	108.32	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	133.90	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	179.56	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	221.59	81.42
		For Work In Restricted Working Space, Add	*36.68*	
22 66 53 00-0688		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	131.86	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	157.44	55.37
		For Work In Restricted Working Space, Add	*24.94*	
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	196.30	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	180.96	66.75
		For Work In Restricted Working Space, Add	*30.07*	
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	202.82	75.67
		For Work In Restricted Working Space, Add	*34.11*	
22 66 53 00-0694		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers** *(22 66 53 00-0635)*		
22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	73.39	23.23
		For Work In Restricted Working Space, Add	*10.45*	
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	82.26	27.63
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	127.24	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0698	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	139.57	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 66 53 00-0699	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	154.44	37.89
		For Work In Restricted Working Space, Add	*17.05*	
22 66 53 00-0700	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	205.97	44.01
		For Work In Restricted Working Space, Add	*19.80*	
22 66 53 00-0701	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	235.33	46.82
		For Work In Restricted Working Space, Add	*21.09*	
22 66 53 00-0702		**Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings** *(22 66 53 00-0635)*		
22 66 53 00-0703	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	55.84	23.23
		For Work In Restricted Working Space, Add	*10.45*	
22 66 53 00-0704	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	63.77	27.63
		For Work In Restricted Working Space, Add	*12.47*	
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	70.04	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	103.84	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	111.80	37.89
		For Work In Restricted Working Space, Add	*17.05*	
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	166.84	44.01
		For Work In Restricted Working Space, Add	*19.80*	
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	166.45	46.82
		For Work In Restricted Working Space, Add	*21.09*	
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	433.60	55.99
		For Work In Restricted Working Space, Add	*25.23*	
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	457.89	62.10
		For Work In Restricted Working Space, Add	*27.98*	
22 66 53 00-0712		**Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps** *(22 66 53 00-0635)*		
22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	95.02	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	127.29	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	203.40	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	313.07	61.12
		For Work In Restricted Working Space, Add	*27.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0717		**Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	77.77	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	103.47	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	158.69	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	208.06	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	414.62	79.34
		For Work In Restricted Working Space, Add	*35.76*	
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	482.01	106.84
		For Work In Restricted Working Space, Add	*48.14*	
22 66 53 00-0724		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	85.03	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	99.19	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	136.58	45.23
		For Work In Restricted Working Space, Add	*20.35*	
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	146.54	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	150.29	50.86
		For Work In Restricted Working Space, Add	*22.92*	
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	187.80	53.79
		For Work In Restricted Working Space, Add	*24.21*	
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	199.12	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	301.86	73.23
		For Work In Restricted Working Space, Add	*33.01*	
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	361.00	91.57
		For Work In Restricted Working Space, Add	*41.26*	
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	395.41	97.67
		For Work In Restricted Working Space, Add	*44.01*	
22 66 53 00-0735		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	121.04	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	141.58	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	219.63	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	383.46	81.42
		For Work In Restricted Working Space, Add	*36.68*	
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	613.19	105.87
		For Work In Restricted Working Space, Add	*47.68*	
22 66 53 00-0741		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	164.74	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	208.64	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	345.08	75.67
		For Work In Restricted Working Space, Add	*34.11*	
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	502.18	93.64
		For Work In Restricted Working Space, Add	*42.18*	
22 66 53 00-0746		**Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	87.53	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	114.31	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	167.66	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	217.83	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	460.12	79.34
		For Work In Restricted Working Space, Add	*35.76*	
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	787.76	106.84
		For Work In Restricted Working Space, Add	*48.14*	
22 66 53 00-0753		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	84.80	33.37
		For Work In Restricted Working Space, Add	*15.04*	
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	104.49	36.18
		For Work In Restricted Working Space, Add	*16.32*	
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	141.72	45.23
		For Work In Restricted Working Space, Add	*20.35*	
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	152.14	48.05
		For Work In Restricted Working Space, Add	*21.64*	
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	191.50	53.79
		For Work In Restricted Working Space, Add	*24.21*	
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	203.67	58.19
		For Work In Restricted Working Space, Add	*26.22*	
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	363.81	70.41
		For Work In Restricted Working Space, Add	*31.73*	
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	378.02	73.23
		For Work In Restricted Working Space, Add	*33.01*	

22 66 53 00-0762 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	128.81	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	188.21	52.07
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	294.14	70.05
		For Work In Restricted Working Space, Add	*31.54*	
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	480.42	81.42
		For Work In Restricted Working Space, Add	*36.68*	
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	658.01	105.87
		For Work In Restricted Working Space, Add	*47.68*	

22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	164.75	46.46
		For Work In Restricted Working Space, Add	*20.91*	
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	250.14	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	298.67	66.75
		For Work In Restricted Working Space, Add	*30.07*	
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	312.12	75.67
		For Work In Restricted Working Space, Add	*34.11*	
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	391.18	87.89
		For Work In Restricted Working Space, Add	*39.61*	
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	436.34	93.64
		For Work In Restricted Working Space, Add	*42.18*	

22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug *(22 66 53 00-0635)*

22 66 53 00-0776	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	83.15	30.57
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0777	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	99.89	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0778	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	165.26	52.57
		For Work In Restricted Working Space, Add	*23.66*	
22 66 53 00-0779	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	209.37	61.12
		For Work In Restricted Working Space, Add	*27.51*	
22 66 53 00-0780	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	437.00	79.34
		For Work In Restricted Working Space, Add	*35.76*	
22 66 53 00-0781	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	20.92	10.14
		For Work In Restricted Working Space, Add	*4.58*	
22 66 53 00-0782	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	25.73	12.96
		For Work In Restricted Working Space, Add	*5.87*	
22 66 53 00-0783	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	37.07	17.48
		For Work In Restricted Working Space, Add	*7.89*	
22 66 53 00-0784	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	42.65	20.29
		For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0785	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	67.92	26.41
		For Work In Restricted Working Space, Add	*11.92*	

22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug *(22 66 53 00-0635)*

22 66 53 00-0787	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	46.88	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0788	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	58.35	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 66 53 00-0789	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	88.06	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0790	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	122.16	40.71
		For Work In Restricted Working Space, Add	*18.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0791	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	185.05	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 66 53 00-0792	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	317.22	71.27
		For Work In Restricted Working Space, Add	*32.12*	

22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 66 53 00-0635)*

22 66 53 00-0794	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	50.27	20.41
		For Work In Restricted Working Space, Add	*9.17*	
22 66 53 00-0795	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	63.71	26.04
		For Work In Restricted Working Space, Add	*11.74*	
22 66 53 00-0796	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	84.03	34.96
		For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0797	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	105.89	40.71
		For Work In Restricted Working Space, Add	*18.34*	
22 66 53 00-0798	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	150.42	52.93
		For Work In Restricted Working Space, Add	*23.84*	
22 66 53 00-0799	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	298.43	71.27
		For Work In Restricted Working Space, Add	*32.12*	

22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0635)*

22 66 53 00-0801	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	30.78	10.14
22 66 53 00-0802	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	40.67	13.08
22 66 53 00-0803	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	61.12	17.48
22 66 53 00-0804	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	97.53	20.41
22 66 53 00-0805	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	151.90	26.41

22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0635)*

22 66 53 00-0807	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	33.84	10.14
22 66 53 00-0808	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	47.41	13.08
22 66 53 00-0809	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	56.79	17.48
22 66 53 00-0810	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	94.15	20.41
22 66 53 00-0811	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	125.56	26.41

22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0635)*

22 66 53 00-0813	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	30.60	10.14
22 66 53 00-0814	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	37.89	13.08
22 66 53 00-0815	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	57.97	17.48
22 66 53 00-0816	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	95.15	20.41
22 66 53 00-0817	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	121.57	26.41
22 66 53 00-0818	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	188.50	35.70

22 66 83 Chemical-Waste Tanks *(22 66)*

22 66 83 16 Chemical-Waste Neutralization Tanks *(22 66 83)*

22 66 83 16-0001 Acid Neutralization Tank *(22 66 83 16)*

22 66 83 16-0002 Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	617.18	248.95
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,118.40	345.20
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,391.25	497.88
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,786.20	663.85
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,293.49	796.62
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,136.66	995.77
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,620.73	1,244.72
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,701.42	1,493.65
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,337.44	1,792.39

22 66 83 16-0012 Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,016.53	248.95
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,750.70	345.20
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,784.13	497.88
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,669.41	663.85
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,642.32	796.62
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,290.29	995.77
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,764.86	1,244.72
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,445.34	1,493.65
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,131.27	1,792.39

22 66 83 16-0022 Chemical Dilution Trap *(22 66 83 16)*

22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	549.83	82.99
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	567.31	82.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	584.78	82.99
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	641.09	99.58

END OF SECTION 22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	613.28
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	876.02
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	919.92
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,014.71
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,837.84
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	824.57
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,184.98
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,254.72
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,649.00
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	2,553.33
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	977.68
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,440.00
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,317.99
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,184.74
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	9,744.83

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	33.19
23 01 20 91-0003	EA	>1" To 3" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	39.83
23 01 20 91-0004	EA	>3" To 6" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	46.47
23 01 20 91-0005	EA	>6" To 10" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	53.11
23 01 20 91-0006	EA	>10" To 14" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	66.39
23 01 20 91-0007	EA	Lock Out Padlock	13.28
23 01 20 91-0008	EA	Lock Out Tags	5.39

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Diameter Pipe, Freeze Pipe Using CO2 Kit	399.06

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	726.34
23 01 20 91-0013	EA	Up To 1" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	407.70
23 01 20 91-0014	EA	>1" To 1-1/2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	876.22
23 01 20 91-0015	EA	>1" To 1-1/2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	470.90
23 01 20 91-0016	EA	>1-1/2" To 2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,191.39
23 01 20 91-0017	EA	>1-1/2" To 2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	534.30
23 01 20 91-0018	EA	>2" To 3" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,357.79
23 01 20 91-0019	EA	>2" To 3" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	625.57
23 01 20 91-0020	EA	>3" To 4" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,964.51
23 01 20 91-0021	EA	>3" To 4" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	722.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0022	EA	>4" To 6" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,962.20	
23 01 20 91-0023	EA	>4" To 6" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	935.92	
23 01 20 91-0024	EA	>6" To 8" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,271.29	
23 01 20 91-0025	EA	>6" To 8" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,362.55	
23 01 20 91-0026	EA	>8" To 10" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,254.29	
23 01 20 91-0027	EA	>8" To 10" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,843.14	
23 01 20 91-0028	EA	>10" To 12" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,323.61	
23 01 20 91-0029	EA	>10" To 12" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,377.03	
23 01 20 91-0030		**Water/Chlorine Pipe Disinfection/Flush/Testing** *(23 01 20 91)* Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	2.11	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 2,000, Deduct	*-0.39*	
		For >2,000, Deduct	*-0.60*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.86	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 2,000, Deduct	*-0.53*	
		For >2,000, Deduct	*-0.80*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.32	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 2,000, Deduct	*-0.79*	
		For >2,000, Deduct	*-1.20*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.85	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 2,000, Deduct	*-1.05*	
		For >2,000, Deduct	*-1.60*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	7.09	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-1.93*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	8.91	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 2,000, Deduct	*-1.58*	
		For >2,000, Deduct	*-2.41*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	11.82	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 2,000, Deduct	*-2.10*	
		For >2,000, Deduct	*-3.21*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	14.18	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 2,000, Deduct	*-2.52*	
		For >2,000, Deduct	*-3.85*	
23 01 20 91-0039		**Shut Down Existing Piping System** *(23 01 20 91)*		
23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	275.40	
23 01 20 91-0041		**Purge Liquid Systems** *(23 01 20 91)* Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.		
23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	209.85	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	262.31	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	374.41	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	448.66	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	560.82	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	729.07	
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.36	
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	437.01	
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	624.14	
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	747.84	
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	934.80	
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,215.25	
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.60	
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	611.82	
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	873.80	
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,046.98	
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,308.72	
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,701.34	
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.86	
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	841.24	
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,201.47	
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,275.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,594.33	
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	2,072.62	
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1.04	
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,135.68	
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,621.98	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,721.88	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,152.34	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,798.04	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.40	

23 01 20 91-0073 Special Cleaning Of Piping Systems *(23 01 20 91)*

23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.51	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 2,000, Deduct	*-0.45*	
		For >2,000, Deduct	*-0.69*	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.09	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 2,000, Deduct	*-0.72*	
		For >2,000, Deduct	*-1.10*	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.69	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 2,000, Deduct	*-1.00*	
		For >2,000, Deduct	*-1.53*	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.33	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-1.96*	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	10.24	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 2,000, Deduct	*-1.80*	
		For >2,000, Deduct	*-2.75*	

23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.59	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 2,000, Deduct	*-0.45*	
		For >2,000, Deduct	*-0.69*	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.18	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 2,000, Deduct	*-0.72*	
		For >2,000, Deduct	*-1.10*	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.82	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 2,000, Deduct	*-1.00*	
		For >2,000, Deduct	*-1.53*	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.53	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-1.96*	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	10.50	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 2,000, Deduct	*-1.80*	
		For >2,000, Deduct	*-2.75*	

23 01 20 91-0086 Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0087	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	2.61	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 2,000, Deduct	*-0.45*	
		For >2,000, Deduct	*-0.69*	
23 01 20 91-0088	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	4.22	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 2,000, Deduct	*-0.72*	
		For >2,000, Deduct	*-1.10*	
23 01 20 91-0089	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	5.88	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 2,000, Deduct	*-1.00*	
		For >2,000, Deduct	*-1.53*	
23 01 20 91-0090	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	7.60	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-1.96*	
23 01 20 91-0091	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	10.60	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 2,000, Deduct	*-1.80*	
		For >2,000, Deduct	*-2.75*	

23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0093	EA	1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	408.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0094	EA	3/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	514.37	
23 01 20 91-0095	EA	1" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	712.74	
23 01 20 91-0096	EA	1-1/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,090.41	
23 01 20 91-0097	EA	1-1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,346.26	
23 01 20 91-0098	EA	2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,033.01	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.48	
		For Exhaust Ductwork, Add	*1.12*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.62	
		For Exhaust Ductwork, Add	*1.41*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	7.53	
		For Exhaust Ductwork, Add	*1.88*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	10.67	
		For Exhaust Ductwork, Add	*2.67*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.66	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	13.26	
23 01 30 51-0008	EA	Clean Floor Transition	10.67	
23 01 30 51-0009	SF	Clean Duct Dampers	15.09	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	30.19	
23 01 30 51-0011	SF	Clean Louver	12.08	
23 01 30 51-0012	EA	Clean Turning Vane Set	36.22	
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	36.22	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	9.06	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	120.32	
		For Stainless Steel, Add	*68.16*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	108.67	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	144.88	
23 01 30 51-0018	EA	Clean (FCU) Fan Coil Unit	144.88	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	144.88	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	289.76	
23 01 30 51-0021	EA	Clean Exhaust Fan	253.54	
23 01 30 51-0022	EA	Clean Duct Coil	217.32	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	7.24	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	289.76	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	434.64	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.84	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.56	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.71	
23 01 30 51-0029	EA	Minimum Set-up Charge For Cleaning Of Ductwork Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,002.64	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.65	

23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

23 01 30 61-0001 Repair And Seal Ductwork *(23 01 30 61)*

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.34	

23 01 30 61-0003 Rework Sheet Metal Ductwork *(23 01 30 61)*

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	36.62	
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	71.40	
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	94.34	
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	118.14	
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	164.76	
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	192.22	
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	219.69	
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	247.15	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

23 01 50 61-0002 Set-up And Maintenance For Boiler Repairs *(23 01 50 61-0001)*

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,829.07	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	3,073.20	
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*682.91*	
23 01 50 61-0005	EA	Set-up Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,772.11	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,886.06	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,772.11	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	117.87	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	353.63	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	13.67	

23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	282.90	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	353.64	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	495.08	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	11.81	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	13.78	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	15.78	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	22.92	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	26.94	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	34.67	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	35.36	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	53.04	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	70.72	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	88.41	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	106.09	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	123.77	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	106.09	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	141.46	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	176.82	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	212.18	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	247.54	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	282.90	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	411.25	

23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	3,022.97	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,049.22	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,635.81	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	5,508.50	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	4,003.33	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,767.97	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	8,863.03	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,804.75	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,456.02	

23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	154.04	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,233.41	

23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners *(23 01 50 61-0001)*

Note: Includes mounting plate, mechanical and electrical labor for installation of burners.

23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	11,194.96	1,303.19
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	16,140.24	1,613.45
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	19,066.96	1,954.66
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	22,481.29	2,103.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0052		**Boiler And Chiller Water Treatment** *(23 01 50 61)* Note: 3 Lb. chemical per 50 gallon system water.		
23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.74	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.62	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	163.43	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001		**Cooling Tower Repairs** *(23 01 60 61)*		
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,632.89	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,282.12	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	4,926.59	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,819.88	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,414.61	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	4,011.56	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,466.47	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,248.39	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	5,982.91	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,591.87	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	997.06	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,035.36	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,106.85	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,289.67	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,598.08	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,160.02	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,271.76	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,439.39	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	44.96	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	27.40	

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001		**Refrigerant Recovery, Reclaim And Recycling** *(23 01 60 71)* See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.		
23 01 60 71-0002	LB	Recovery Of Refrigerant	14.04	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	26.34	
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.	11.83	
23 01 60 71-0005		**Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen** *(23 01 60 71)* Note: Includes vacuum of nitrogen from pipe.		
23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	143.48	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	183.55	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	230.85	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	296.36	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	392.20	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.22	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	196.47	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	251.47	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	316.27	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	406.56	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	538.71	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.30	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	249.68	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	319.85	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	402.72	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	518.31	
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	689.24	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.39	
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	286.25	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	370.12	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	469.13	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	608.43	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	824.37	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.45	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	340.16	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	440.25	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	610.04	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	724.69	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	983.77	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	387.96	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	502.40	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	637.71	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	828.59	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,127.09	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.62	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	844.69	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	956.46	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,121.37	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	941.80	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,000.44	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,311.93	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,106.71	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,071.90	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,341.24	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,121.37	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,156.18	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,707.70	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,223.98	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,266.12	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,237.24	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,942.24	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,861.62	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,682.49	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,220.75	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,253.73	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,490.53	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,155.22	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,191.87	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,707.18	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,706.74	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,007.24	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,729.60	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,450.66	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,884.91	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,920.60	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,251.37	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,341.15	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,219.26	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,766.68	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,968.24	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,369.51	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,690.16	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,324.57	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,681.87	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,232.43	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,884.30	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,075.29	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,826.54	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,410.08	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,961.60	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	20,243.25	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,284.70	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,450.48	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,807.25	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,599.24	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,371.08	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,919.37	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,841.54	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	24,637.11	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,940.40	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,545.06	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	32,385.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0062		**Premium Efficient, TEFC Motors** *(23 05 13 00-0001)* Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063		**Steel Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	987.61	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,088.39	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,295.44	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,119.54	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,130.53	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,225.81	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,172.67	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,359.57	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,295.44	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,079.66	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,507.98	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,418.20	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,349.01	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,259.23	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,044.85	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,290.38	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,308.70	
23 05 13 00-0081		**Cast Iron Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,409.04	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,577.61	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,487.83	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,460.34	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,878.11	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,564.78	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,529.97	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,907.42	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,689.38	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,737.02	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,376.49	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,079.66	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,738.85	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,757.61	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,407.64	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,319.69	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,932.12	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,821.74	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,601.87	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,489.14	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,888.14	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,558.33	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,987.96	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,267.43	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,315.07	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,972.34	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,568.36	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,643.48	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,020.41	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,616.44	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,695.22	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,420.29	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,069.88	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,754.73	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,985.51	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,921.90	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,568.27	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,691.82	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,938.31	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,767.90	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,046.76	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,215.86	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,098.59	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	22,179.99	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,992.23	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	24,750.71	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	28,470.28	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	35,781.15	
23 05 13 00-0130		**Premium Efficient, Severe Duty Motors** *(23 05 13 00-0001)* Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.		
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,464.01	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,608.76	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,777.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,497.42	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,665.56	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,639.91	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,079.66	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,107.58	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,742.52	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,711.37	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,107.14	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,919.29	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,061.34	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,165.78	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,041.62	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,250.94	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,535.90	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,204.26	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,081.93	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,766.68	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,309.13	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,775.93	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,410.35	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,737.80	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,523.51	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,323.79	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,729.60	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,025.91	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,507.46	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,234.45	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,568.80	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,049.20	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,258.70	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,542.27	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,925.13	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,736.75	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,319.60	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,943.98	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,326.41	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,704.82	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,058.02	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,023.55	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,585.20	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,234.79	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,986.38	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,092.74	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,839.89	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,963.00	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,098.59	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,528.31	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,804.37	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,996.85	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,976.26	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,537.20	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,621.58	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,284.43	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,188.54	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,581.18	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,344.81	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	32,974.07	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,161.93	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	30,863.26	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,177.37	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	36,900.69	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,127.89	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	48,698.87	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,953.23	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,022.86	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,206.09	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,726.46	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,023.30	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,166.65	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,252.77	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,757.09	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,563.30	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,622.80	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,678.21	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,655.70	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	14,253.46	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	19,939.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	23,407.63	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	28,514.25	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	37,268.98	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	42,524.02	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	211.17	107.44
23 05 13 00-0218	EA	3/4 HP Motor Mounting	243.31	134.31
23 05 13 00-0219	EA	1 HP Motor Mounting	260.28	134.31
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	279.81	134.31
23 05 13 00-0221	EA	2 HP Motor Mounting	302.49	161.17
23 05 13 00-0222	EA	3 HP Motor Mounting	349.76	161.17
23 05 13 00-0223	EA	5 HP Motor Mounting	414.53	268.62
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	532.96	268.62
23 05 13 00-0225	EA	10 HP Motor Mounting	699.52	470.08
23 05 13 00-0226	EA	15 HP Motor Mounting	860.94	470.08
23 05 13 00-0227	EA	20 HP Motor Mounting	1,017.47	671.53
23 05 13 00-0228	EA	25 HP Motor Mounting	1,153.84	671.53
23 05 13 00-0229	EA	30 HP Motor Mounting	1,399.04	671.53
23 05 13 00-0230	EA	40 HP Motor Mounting	1,576.37	1,007.30
23 05 13 00-0231	EA	50 HP Motor Mounting	1,748.78	1,007.30
23 05 13 00-0232	EA	75 HP Motor Mounting	2,111.75	1,477.37
23 05 13 00-0233	EA	100 HP Motor Mounting	2,543.69	1,477.37
23 05 13 00-0234	EA	125 HP Motor Mounting	3,108.96	2,014.60
23 05 13 00-0235	EA	150 HP Motor Mounting	3,610.40	2,014.60
23 05 13 00-0236	EA	200 HP Motor Mounting	4,145.27	2,417.52

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	253.87	107.05
		For 300 Lb. Rating, Add	*9.92*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	284.76	120.73
		For 300 Lb. Rating, Add	*10.86*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	333.35	138.40
		For 300 Lb. Rating, Add	*14.16*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	376.58	154.47
		For 300 Lb. Rating, Add	*17.00*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	407.54	166.02
		For 300 Lb. Rating, Add	*18.88*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	469.92	195.38
		For 300 Lb. Rating, Add	*19.82*	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	594.67	107.02
		For 300 Lb. Rating, Add	*115.43*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	652.85	128.42
		For 300 Lb. Rating, Add	*122.98*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	695.85	163.03
		For 300 Lb. Rating, Add	*123.00*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	750.84	177.35
		For 300 Lb. Rating, Add	*132.12*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	831.29	207.92
		For 300 Lb. Rating, Add	*142.77*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,052.79	348.57
		For 300 Lb. Rating, Add	*154.00*	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,394.26	381.26
		For 300 Lb. Rating, Add	*229.61*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,317.98	423.63
		For 300 Lb. Rating, Add	*196.64*	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,691.94	541.30
		For 300 Lb. Rating, Add	*254.88*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,142.51	658.98
		For 300 Lb. Rating, Add	*329.70*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,788.46	499.17
		For 300 Lb. Rating, Add	*447.20*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,520.91	941.39
		For 300 Lb. Rating, Add	*586.05*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,481.03	1,035.53
		For 300 Lb. Rating, Add	*796.66*	

23 05 16 00-0023 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	664.31	146.77
		For 300 Lb. Rating, Add	*92.72*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	691.10	147.99
		For 300 Lb. Rating, Add	*98.78*	
23 05 16 00-0026	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	701.25	152.88
		For 300 Lb. Rating, Add	*98.80*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	758.26	166.70
		For 300 Lb. Rating, Add	*106.12*	
23 05 16 00-0028	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	852.12	196.06
		For 300 Lb. Rating, Add	*114.90*	
23 05 16 00-0029	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,274.77	390.40
		For 300 Lb. Rating, Add	*123.69*	
23 05 16 00-0030	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,532.75	398.56
		For 300 Lb. Rating, Add	*184.42*	
23 05 16 00-0031	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,513.67	441.27
		For 300 Lb. Rating, Add	*157.94*	
23 05 16 00-0032	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,825.86	504.23
		For 300 Lb. Rating, Add	*204.72*	
23 05 16 00-0033	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,292.36	617.79
		For 300 Lb. Rating, Add	*264.81*	
23 05 16 00-0034	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,934.42	748.87
		For 300 Lb. Rating, Add	*359.19*	
23 05 16 00-0035	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,481.13	762.52
		For 300 Lb. Rating, Add	*488.93*	
23 05 16 00-0036	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,565.32	953.15
		For 300 Lb. Rating, Add	*664.64*	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	189.16	58.19
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	246.50	67.97
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	306.48	81.54
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	413.35	122.25
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	512.26	162.95
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	622.12	203.78

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	164.78	59.06
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	204.28	64.02
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	241.80	68.99
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	299.43	82.75
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	435.55	103.35
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	826.52	124.07
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	978.25	155.08
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,312.66	190.82
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,810.40	248.13
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,609.14	310.17

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	123.23	42.50
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	142.47	42.50
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	142.47	42.50

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	161.71	42.50
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	161.71	42.50
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	201.93	42.50
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	166.96	42.50
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	175.70	42.50
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	207.18	42.50

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	161.71	42.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	161.71	42.50
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	201.93	42.50
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	184.44	42.50
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	201.93	42.50
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	206.39	42.50
23 05 19 00-0020		**1" NPT, 304 Stainless Steel Thermowells** *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	207.35	79.69
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	207.26	79.69
23 05 19 00-0023		**Pressure Gauges** *(23 05 19)*		
23 05 19 00-0024		**Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	44.39	16.60
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	54.71	16.60
23 05 19 00-0027		**Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	319.72	16.60
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	319.72	16.60
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	417.02	16.60
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	990.05	16.60
23 05 19 00-0032		**Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
		Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	154.19	16.60
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	347.67	16.60
23 05 19 00-0035		**Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	346.25	16.60
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	346.25	16.60
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	346.25	16.60
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	101.74	13.28
23 05 19 00-0041	EA	1/4" Diameter, Snubber Valve	63.02	13.28
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	39.73	19.93
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	34.33	19.93
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	40.14	19.93
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	8.24	6.64
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	75.25	33.20
23 05 19 00-0047	EA	1/4", 300 Lb., Black Steel Union	68.12	13.28
23 05 19 00-0048	EA	1/4" Black Steel Coupling	28.11	13.28
23 05 19 00-0049	EA	1/4", 300 Lb., Black Steel Plug	16.29	7.97
23 05 19 00-0050	EA	1/4", 150 Lb., Black Steel Cap	16.81	7.97
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.17	4.39
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	9.40	4.39
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.76	
23 05 19 00-0054	EA	1/4" Diameter Threaded, 800 Lb., Forged Steel, Ball Valve	124.50	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	93.92	20.32
23 05 19 00-0057		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	3/4" Threaded, Brass, Venturi Flowmeter	337.40	90.31
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0060	EA	1" Threaded, Brass, Venturi Flowmeter	373.07	108.38
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0061	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	411.51	120.46
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0062	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	463.80	135.48
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0063	EA	2" Threaded, Brass, Venturi Flowmeter	551.81	154.86
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0064	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	744.24	205.26
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0065		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0066	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,530.64	186.10
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*405.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0067	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	2,107.07	223.32
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*581.15*	
23 05 19 00-0068	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	2,759.33	279.15
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*770.36*	
23 05 19 00-0069	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	3,292.97	372.20
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*892.00*	
23 05 19 00-0070	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	4,793.36	446.64
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,365.02*	
23 05 19 00-0071	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	7,796.93	558.30
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,338.11*	
23 05 19 00-0072	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	11,639.93	761.47
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,540.95*	
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	16,340.08	1,142.20
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*4,919.49*	
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	24,355.43	1,269.10
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*7,636.03*	
23 05 19 00-0075		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter	1,074.89	99.61
23 05 19 00-0077		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0078		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	181.34	19.34
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	189.42	20.35
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	204.86	21.38
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	229.42	28.81
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	274.23	34.92
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	310.99	44.21
23 05 19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	440.69	51.12
23 05 19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	488.28	60.41
23 05 19 00-0087		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	235.75	19.34
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	242.62	20.35
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	261.69	21.38
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	277.79	28.81
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	294.78	34.92
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	319.46	44.21
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	605.14	51.12
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	647.89	60.41
23 05 19 00-0096		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	340.95	19.34
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	359.91	20.35
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	391.07	21.38
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	425.30	28.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	488.25	34.92
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	516.55	44.21
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,040.43	51.12
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,095.27	60.41
23 05 19 00-0105		**Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	232.12	19.34
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	241.41	20.35
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	255.64	21.38
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	276.58	28.81
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	293.57	34.92
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	319.46	44.21
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	597.88	51.12
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	638.22	60.41
23 05 19 00-0114		**Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	338.53	19.34
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	364.74	20.35
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	398.32	21.38
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	425.30	28.81
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	488.25	34.92
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	521.39	44.21
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,040.43	51.12
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,095.27	60.41
23 05 19 00-0123		**Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	497.92	34.92
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	560.08	44.21
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	636.57	51.12
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	715.60	60.41
23 05 19 00-0128		**Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,096.67	139.41
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,225.48	176.98
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,803.58	207.82
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,722.50	348.41
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,389.88	410.66
23 05 19 00-0134		**Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0077)*		
23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	841.08	99.58
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	993.13	116.17
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,071.88	139.41
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,343.37	176.98
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,948.07	207.82
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,879.08	348.41
23 05 19 00-0141		**Water Flow Switches** *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	311.66	39.14
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	322.72	39.14
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	416.11	39.14
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	430.25	39.14
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	336.86	39.14
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	349.75	39.14
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	441.31	39.14
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	454.21	39.14
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	869.52	39.14
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	882.01	39.14
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	1,000.73	39.14
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,017.92	39.14
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	899.20	39.14
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	916.38	39.14
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,030.41	39.14
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,049.16	39.14

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0003	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	72.17	13.28
		For Work In Restricted Working Space, Add	*11.60*	
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
23 05 23 00-0004	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	74.20	13.28
		For Work In Restricted Working Space, Add	*12.21*	
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
23 05 23 00-0005	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	76.34	13.28
		For Work In Restricted Working Space, Add	*12.85*	
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
23 05 23 00-0006	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	97.70	14.61
		For Work In Restricted Working Space, Add	*17.32*	
		For 150 Lb. Rating, Add	*4.00*	
		For 200 Lb. Rating, Add	*6.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For 300 Lb. Rating, Add	*13.99*	
23 05 23 00-0007	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	130.27	16.60
		For Work In Restricted Working Space, Add	*20.96*	
		For 150 Lb. Rating, Add	*6.04*	
		For 200 Lb. Rating, Add	*9.06*	
		For 250 Lb. Rating, Add	*15.10*	
		For 300 Lb. Rating, Add	*21.14*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	169.94	17.66
		For Work In Restricted Working Space, Add	*26.55*	
		For 150 Lb. Rating, Add	*8.14*	
		For 200 Lb. Rating, Add	*12.21*	
		For 250 Lb. Rating, Add	*20.36*	
		For 300 Lb. Rating, Add	*28.50*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	204.74	20.44
		For Work In Restricted Working Space, Add	*30.64*	
		For 150 Lb. Rating, Add	*10.26*	
		For 200 Lb. Rating, Add	*15.39*	
		For 250 Lb. Rating, Add	*25.65*	
		For 300 Lb. Rating, Add	*35.91*	
23 05 23 00-0010	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	260.90	24.16
		For Work In Restricted Working Space, Add	*36.21*	
		For 150 Lb. Rating, Add	*14.02*	
		For 200 Lb. Rating, Add	*21.03*	
		For 250 Lb. Rating, Add	*35.05*	
		For 300 Lb. Rating, Add	*49.07*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	562.85	32.64
		For Work In Restricted Working Space, Add	*48.90*	
		For Chain Operated Type, Add	*179.94*	
		For 150 Lb. Rating, Add	*39.99*	
		For 200 Lb. Rating, Add	*59.98*	
		For 250 Lb. Rating, Add	*99.97*	
		For 300 Lb. Rating, Add	*139.95*	
23 05 23 00-0012	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	666.05	37.89
		For Work In Restricted Working Space, Add	*56.42*	
		For Chain Operated Type, Add	*215.09*	
		For 150 Lb. Rating, Add	*47.80*	
		For 200 Lb. Rating, Add	*71.70*	
		For 250 Lb. Rating, Add	*119.50*	
		For 300 Lb. Rating, Add	*167.29*	
23 05 23 00-0013	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,352.61	42.78
		For Work In Restricted Working Space, Add	*64.18*	
		For Chain Operated Type, Add	*512.41*	
		For 150 Lb. Rating, Add	*113.87*	
		For 200 Lb. Rating, Add	*170.80*	
		For 250 Lb. Rating, Add	*284.67*	
		For 300 Lb. Rating, Add	*398.54*	

23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	300.04	20.44
		For Work In Restricted Working Space, Add	*30.64*	
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	455.12	24.16
		For Work In Restricted Working Space, Add	*36.21*	
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	665.96	32.64
		For Work In Restricted Working Space, Add	*48.90*	
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	847.99	37.89
		For Work In Restricted Working Space, Add	*56.42*	
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,990.37	42.78
		For Work In Restricted Working Space, Add	*64.18*	
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	782.64	139.41
		For Work In Restricted Working Space, Add	*52.41*	
		For 150 Lb. Rating, Add	*176.31*	
		For 250 Lb. Rating, Add	*303.98*	
		For 300 Lb. Rating, ASTM A182, Add	*695.30*	
		For Chain Operated Type, Add	*303.98*	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	857.10	176.98
		For Work In Restricted Working Space, Add	*66.38*	
		For 150 Lb. Rating, Add	*184.39*	
		For 250 Lb. Rating, Add	*317.91*	
		For 300 Lb. Rating, ASTM A182, Add	*746.46*	
		For Chain Operated Type, Add	*317.91*	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	985.13	177.26
		For Work In Restricted Working Space, Add	*66.68*	
		For 150 Lb. Rating, Add	*221.23*	
		For 250 Lb. Rating, Add	*381.43*	
		For 300 Lb. Rating, ASTM A182, Add	*874.00*	
		For Chain Operated Type, Add	*381.43*	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,213.63	207.82
		For Work In Restricted Working Space, Add	*78.03*	
		For 150 Lb. Rating, Add	*276.52*	
		For 250 Lb. Rating, Add	*476.77*	
		For 300 Lb. Rating, ASTM A182, Add	*1,083.58*	
		For Chain Operated Type, Add	*476.77*	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,708.04	348.41
		For Work In Restricted Working Space, Add	*130.98*	
		For 150 Lb. Rating, Add	*368.72*	
		For 250 Lb. Rating, Add	*635.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,489.74*	
		For Chain Operated Type, Add	*635.72*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,114.00	369.60
		For Work In Restricted Working Space, Add	*138.38*	
		For 150 Lb. Rating, Add	*479.29*	
		For 250 Lb. Rating, Add	*826.36*	
		For 300 Lb. Rating, ASTM A182, Add	*1,883.36*	
		For Chain Operated Type, Add	*826.36*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,549.05	410.66
		For Work In Restricted Working Space, Add	*154.55*	
		For 150 Lb. Rating, Add	*589.83*	
		For 250 Lb. Rating, Add	*1,016.95*	
		For 300 Lb. Rating, ASTM A182, Add	*2,291.47*	
		For Chain Operated Type, Add	*1,016.95*	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,021.00	524.73
		For Work In Restricted Working Space, Add	*195.55*	
		For 150 Lb. Rating, Add	*977.06*	
		For 250 Lb. Rating, Add	*1,684.58*	
		For 300 Lb. Rating, ASTM A182, Add	*3,695.08*	
		For Chain Operated Type, Add	*1,684.58*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,248.03	638.80
		For Work In Restricted Working Space, Add	*239.55*	
		For 150 Lb. Rating, Add	*1,290.36*	
		For 250 Lb. Rating, Add	*2,224.77*	
		For 300 Lb. Rating, ASTM A182, Add	*4,848.78*	
		For Chain Operated Type, Add	*2,224.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,324.67	775.69
		For Work In Restricted Working Space, Add	*290.36*	
		For 150 Lb. Rating, Add	*1,843.47*	
		For 250 Lb. Rating, Add	*3,178.40*	
		For 300 Lb. Rating, ASTM A182, Add	*6,840.73*	
		For Chain Operated Type, Add	*3,178.40*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	587.26	20.44
		For Work In Restricted Working Space, Add	*30.64*	
		For 175 Lb. Rating, Add	*242.57*	
		For 250 Lb. Rating, Add	*363.85*	
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	747.85	24.16
		For Work In Restricted Working Space, Add	*36.21*	
		For 175 Lb. Rating, Add	*313.58*	
		For 250 Lb. Rating, Add	*470.36*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	870.18	32.64
		For Work In Restricted Working Space, Add	*48.90*	
		For 175 Lb. Rating, Add	*353.60*	
		For 250 Lb. Rating, Add	*530.39*	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	968.38	37.89
		For Work In Restricted Working Space, Add	*56.42*	
		For 175 Lb. Rating, Add	*390.16*	
		For 250 Lb. Rating, Add	*585.23*	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,291.43	42.78
		For Work In Restricted Working Space, Add	*64.18*	
		For 175 Lb. Rating, Add	*538.75*	
		For 250 Lb. Rating, Add	*808.13*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,051.09	139.41
		For Work In Restricted Working Space, Add	*52.41*	
		For 150 Lb. Rating, Add	*131.46*	
		For 175 Lb. Rating, Add	*271.68*	
		For 250 Lb. Rating, Add	*569.66*	
		For Chain Operated Type, Add	*438.20*	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,123.72	176.98
		For Work In Restricted Working Space, Add	*66.38*	
		For 150 Lb. Rating, Add	*135.37*	
		For 175 Lb. Rating, Add	*279.76*	
		For 250 Lb. Rating, Add	*586.59*	
		For Chain Operated Type, Add	*451.22*	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,154.16	177.26
		For Work In Restricted Working Space, Add	*66.68*	
		For 150 Lb. Rating, Add	*139.78*	
		For 175 Lb. Rating, Add	*288.89*	
		For 250 Lb. Rating, Add	*605.73*	
		For Chain Operated Type, Add	*465.95*	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,285.43	207.82
		For Work In Restricted Working Space, Add	*78.03*	
		For 150 Lb. Rating, Add	*153.80*	
		For 175 Lb. Rating, Add	*317.85*	
		For 250 Lb. Rating, Add	*666.46*	
		For Chain Operated Type, Add	*512.67*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,680.06	348.41
		For Work In Restricted Working Space, Add	*130.98*	
		For 150 Lb. Rating, Add	*186.52*	
		For 175 Lb. Rating, Add	*385.47*	
		For 250 Lb. Rating, Add	*808.25*	
		For Chain Operated Type, Add	*621.73*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,196.18	369.60
		For Work In Restricted Working Space, Add	*138.38*	
		For 150 Lb. Rating, Add	*260.24*	
		For 175 Lb. Rating, Add	*537.82*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For Chain Operated Type, Add	*867.45*	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,496.48	410.66
		For Work In Restricted Working Space, Add	*154.55*	
		For 150 Lb. Rating, Add	*297.20*	
		For 175 Lb. Rating, Add	*614.21*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For Chain Operated Type, Add	*990.66*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,002.79	524.73
		For Work In Restricted Working Space, Add	*195.55*	
		For 150 Lb. Rating, Add	*502.64*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For Chain Operated Type, Add	*1,675.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,955.61	638.80
		For Work In Restricted Working Space, Add	*239.55*	
		For 150 Lb. Rating, Add	*773.57*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For Chain Operated Type, Add	*2,578.56*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,504.08	775.69
		For Work In Restricted Working Space, Add	*290.36*	
		For 150 Lb. Rating, Add	*980.43*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For Chain Operated Type, Add	*3,268.10*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,285.83	1,077.95
		For Work In Restricted Working Space, Add	*404.23*	
		For 150 Lb. Rating, Add	*2,090.76*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 250 Lb. Rating, Add	*9,059.95*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	20,021.65	1,185.75
		For Work In Restricted Working Space, Add	*444.65*	
		For 150 Lb. Rating, Add	*2,780.92*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 250 Lb. Rating, Add	*12,050.66*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,599.45	1,315.11
		For Work In Restricted Working Space, Add	*493.16*	
		For 150 Lb. Rating, Add	*3,893.34*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 250 Lb. Rating, Add	*16,871.13*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,219.08	1,482.18
		For Work In Restricted Working Space, Add	*555.82*	
		For 150 Lb. Rating, Add	*5,004.95*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 250 Lb. Rating, Add	*21,688.13*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,303.41	1,819.04
		For Work In Restricted Working Space, Add	*682.14*	
		For 150 Lb. Rating, Add	*6,904.44*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 250 Lb. Rating, Add	*29,919.24*	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	101,518.36	2,964.37
		For Work In Restricted Working Space, Add	*1,111.64*	
		For 150 Lb. Rating, Add	*14,671.94*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 250 Lb. Rating, Add	*63,578.39*	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	129,220.54	3,952.50
		For Work In Restricted Working Space, Add	*1,482.19*	
		For 150 Lb. Rating, Add	*18,641.99*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 250 Lb. Rating, Add	*80,781.95*	
23 05 23 00-0055	EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	151,294.09	5,040.67
		For Work In Restricted Working Space, Add	*1,890.26*	
		For 150 Lb. Rating, Add	*21,748.99*	
		For 175 Lb. Rating, Add	*44,947.90*	
		For 250 Lb. Rating, Add	*94,245.61*	
23 05 23 00-0056	EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	181,765.66	6,300.85
		For Work In Restricted Working Space, Add	*2,362.82*	
		For 150 Lb. Rating, Add	*26,083.44*	
		For 175 Lb. Rating, Add	*53,905.78*	
		For 250 Lb. Rating, Add	*113,028.24*	
23 05 23 00-0057	EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	218,118.79	7,561.01
		For Work In Restricted Working Space, Add	*2,835.38*	
		For 150 Lb. Rating, Add	*31,300.13*	
		For 175 Lb. Rating, Add	*64,686.93*	
		For 250 Lb. Rating, Add	*135,633.89*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0059	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	177.69	13.28
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0060	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	181.86	13.28
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0061	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	215.41	14.61
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0062	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	261.48	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0063	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	397.64	17.66
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0064	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	470.06	20.44
		For Work In Restricted Working Space, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0065	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	590.37	24.16
		For Work In Restricted Working Space, Add	*36.21*	

23 05 23 00-0066 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

23 05 23 00-0067 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 Lb. WSP.

23 05 23 00-0068	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	57.86	13.28
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.76*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0069	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	80.83	14.61
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.40*	
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0070	EA	1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	101.07	16.60
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*14.04*	
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0071	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	140.89	17.66
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*23.57*	
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0072	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	169.03	20.44
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*30.11*	
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0073	EA	2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	204.50	24.16
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*37.71*	
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0074	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	558.46	32.64
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*177.96*	
		For Work In Restricted Working Space, Add	*48.90*	
23 05 23 00-0075	EA	3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	644.36	37.89
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*205.33*	
		For Work In Restricted Working Space, Add	*56.42*	
23 05 23 00-0076	EA	4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	836.02	42.78
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*279.94*	
		For Work In Restricted Working Space, Add	*64.18*	

23 05 23 00-0077 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0078	EA	1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	67.42	13.28
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0079	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	74.05	13.28
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0080	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	102.87	14.61
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0081	EA	1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	130.59	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0082	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	192.27	17.66
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0083	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	233.58	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0084	EA	2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	301.70	24.16
		For Work In Restricted Working Space, Add	*36.21*	

23 05 23 00-0085 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0086	EA	1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	631.15	139.41
		For Work In Restricted Working Space, Add	*52.41*	
		For 150 Lb. Rating, Add	*132.37*	
		For 250 Lb. Rating, Add	*228.23*	
		For 300 Lb. Rating, ASTM A182, Add	*543.81*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*52.41*	
23 05 23 00-0087	EA	2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	787.56	176.98
		For Work In Restricted Working Space, Add	*66.38*	
		For 150 Lb. Rating, Add	*164.22*	
		For 250 Lb. Rating, Add	*283.14*	
		For 300 Lb. Rating, ASTM A182, Add	*676.92*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*66.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0088	EA	2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,256.72	177.26
		For Work In Restricted Working Space, Add	*66.68*	
		For 150 Lb. Rating, Add	*299.99*	
		For 250 Lb. Rating, Add	*517.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,145.59*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*66.68*	
23 05 23 00-0089	EA	3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,378.55	207.82
		For Work In Restricted Working Space, Add	*78.03*	
		For 150 Lb. Rating, Add	*324.35*	
		For 250 Lb. Rating, Add	*559.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,248.50*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*78.03*	
23 05 23 00-0090	EA	4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	2,007.57	348.41
		For Work In Restricted Working Space, Add	*130.98*	
23 05 23 00-0091	EA	6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,774.60	410.66
		For Work In Restricted Working Space, Add	*154.55*	
23 05 23 00-0092	EA	8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,209.32	524.73
		For Work In Restricted Working Space, Add	*195.55*	

23 05 23 00-0093 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0094	EA	1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	49.17	13.28
		For True Union Socket Or Thread Type, Add	*4.78*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0095	EA	3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	65.02	14.61
		For True Union Socket Or Thread Type, Add	*5.95*	
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0096	EA	1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	80.04	16.60
		For True Union Socket Or Thread Type, Add	*7.73*	
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0097	EA	1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	101.86	17.66
		For True Union Socket Or Thread Type, Add	*9.99*	
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0098	EA	1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	125.35	20.44
		For True Union Socket Or Thread Type, Add	*14.65*	
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0099	EA	2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	150.30	24.16
		For True Union Socket Or Thread Type, Add	*18.18*	
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0100	EA	2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	226.67	32.64
		For True Union Socket Or Thread Type, Add	*34.03*	
		For Work In Restricted Working Space, Add	*48.90*	
23 05 23 00-0101	EA	3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	296.35	37.89
		For True Union Socket Or Thread Type, Add	*53.19*	
		For Work In Restricted Working Space, Add	*56.42*	
23 05 23 00-0102	EA	4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	420.97	42.78
		For True Union Socket Or Thread Type, Add	*94.05*	
		For Work In Restricted Working Space, Add	*64.18*	

23 05 23 00-0103 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0104	EA	1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	103.19	19.92
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*17.40*	
23 05 23 00-0105	EA	3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	106.23	19.92
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*18.31*	
23 05 23 00-0106	EA	1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	109.43	19.92
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*19.27*	
23 05 23 00-0107	EA	3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	134.51	21.91
		For Full Port, Add	*21.56*	
		For Work In Restricted Working Space, Add	*25.98*	
23 05 23 00-0108	EA	1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	175.80	24.90
		For Full Port, Add	*31.94*	
		For Work In Restricted Working Space, Add	*31.45*	
23 05 23 00-0109	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	229.92	26.49
		For Full Port, Add	*43.72*	
		For Work In Restricted Working Space, Add	*39.83*	
23 05 23 00-0110	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	282.38	30.67
		For Full Port, Add	*58.13*	
		For Work In Restricted Working Space, Add	*45.96*	
23 05 23 00-0111	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	391.27	36.25
		For Full Port, Add	*94.60*	
		For Work In Restricted Working Space, Add	*54.31*	
23 05 23 00-0112	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	754.66	48.96
		For Full Port, Add	*229.58*	
		For Work In Restricted Working Space, Add	*73.35*	
23 05 23 00-0113	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,092.24	56.84
		For Full Port, Add	*364.55*	
		For Work In Restricted Working Space, Add	*84.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0114		Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0115	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	185.02	13.28
23 05 23 00-0116	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	237.53	17.26
23 05 23 00-0117	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	305.82	21.25
23 05 23 00-0118	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	416.87	29.20
23 05 23 00-0119	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	520.79	33.99
23 05 23 00-0120	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	686.32	39.83
23 05 23 00-0121		Plastic Ball Valves *(23 05 23 00-0066)* Note: Threaded or socket.		
23 05 23 00-0122		Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0123	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	78.01	13.28
23 05 23 00-0124	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	81.47	13.28
23 05 23 00-0125	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	103.54	14.61
23 05 23 00-0126	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	134.21	16.60
23 05 23 00-0127	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	160.27	17.66
23 05 23 00-0128	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	193.49	20.44
23 05 23 00-0129	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	235.25	24.16
23 05 23 00-0130		Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0131	EA	3/8" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	114.51	13.28
23 05 23 00-0132	EA	1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	116.31	13.28
23 05 23 00-0133	EA	3/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	146.67	14.61
23 05 23 00-0134	EA	1" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	181.02	16.60
23 05 23 00-0135	EA	1-1/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	270.98	17.66
23 05 23 00-0136	EA	1-1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	301.19	20.44
23 05 23 00-0137	EA	2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	361.23	24.16
23 05 23 00-0138		Viton Liner And Seals, Polypropylene (PP) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0139	EA	3/8" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	126.95	13.28
23 05 23 00-0140	EA	1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	137.04	13.28
23 05 23 00-0141	EA	3/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	158.28	14.61
23 05 23 00-0142	EA	1" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	194.29	16.60
23 05 23 00-0143	EA	1-1/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	244.44	17.66
23 05 23 00-0144	EA	1-1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	292.89	20.44
23 05 23 00-0145	EA	2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	377.81	24.16
23 05 23 00-0146		Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0147	EA	3/8" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	249.70	13.28
23 05 23 00-0148	EA	1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	266.43	13.28
23 05 23 00-0149	EA	3/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	317.52	14.61
23 05 23 00-0150	EA	1" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	371.78	16.60
23 05 23 00-0151	EA	1-1/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	453.45	17.66
23 05 23 00-0152	EA	1-1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	500.24	20.44
23 05 23 00-0153	EA	2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	576.87	24.16
23 05 23 00-0154		Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0155	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	55.17	13.28
23 05 23 00-0156	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	73.93	14.61
23 05 23 00-0157	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	89.79	16.60
23 05 23 00-0158	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	123.68	17.66
23 05 23 00-0159	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	137.30	20.44
23 05 23 00-0160	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	167.06	24.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0161		**Plastic, True Union, Ball Valves** *(23 05 23 00-0066)*		
23 05 23 00-0162		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves** *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0163	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	123.63	13.28
23 05 23 00-0164	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	128.75	13.28
23 05 23 00-0165	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	156.62	14.61
23 05 23 00-0166	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	192.63	16.60
23 05 23 00-0167	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	232.83	17.66
23 05 23 00-0168	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	268.01	20.44
23 05 23 00-0169	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	328.05	24.16
23 05 23 00-0170		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves** *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0171	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	125.29	13.28
23 05 23 00-0172	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	145.34	13.28
23 05 23 00-0173	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	158.28	14.61
23 05 23 00-0174	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	192.63	16.60
23 05 23 00-0175	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	229.51	17.66
23 05 23 00-0176	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	266.35	20.44
23 05 23 00-0177	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	328.05	24.16
23 05 23 00-0178		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0179	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	70.69	13.28
23 05 23 00-0180	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	91.10	14.61
23 05 23 00-0181	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	109.69	16.60
23 05 23 00-0182	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	144.08	17.66
23 05 23 00-0183	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	168.48	20.44
23 05 23 00-0184	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	228.52	24.16
23 05 23 00-0185	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	318.92	32.64
23 05 23 00-0186	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	400.40	37.89
23 05 23 00-0187	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	562.28	42.78
23 05 23 00-0188		**Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves** *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0189	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	82.30	13.28
23 05 23 00-0190	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	107.68	14.61
23 05 23 00-0191	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	132.91	16.60
23 05 23 00-0192	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	184.72	17.66
23 05 23 00-0193	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	203.32	20.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0194	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	260.04	24.16
23 05 23 00-0195	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	444.99	32.64
23 05 23 00-0196	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	519.83	37.89
23 05 23 00-0197	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	794.51	42.78
23 05 23 00-0198		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0161)*		
23 05 23 00-0199		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*		
23 05 23 00-0200	EA	1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.10	13.28
23 05 23 00-0201	EA	3/8" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.13	13.28
23 05 23 00-0202	EA	1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	71.92	13.28
23 05 23 00-0203	EA	3/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	92.09	14.61
23 05 23 00-0204	EA	1" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	112.84	16.60
23 05 23 00-0205	EA	1-1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	136.96	17.66
23 05 23 00-0206	EA	1-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	164.60	20.44
23 05 23 00-0207	EA	2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	210.28	24.16
23 05 23 00-0208	EA	2-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	384.44	32.64
23 05 23 00-0209	EA	3" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	428.60	37.89
23 05 23 00-0210	EA	4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	587.99	42.78
23 05 23 00-0211		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*		
23 05 23 00-0212	EA	1/4" Diameter Threaded Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.10	13.28
23 05 23 00-0213	EA	3/8" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.13	13.28
23 05 23 00-0214	EA	1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	71.92	13.28
23 05 23 00-0215	EA	3/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	92.09	14.61
23 05 23 00-0216	EA	1" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	112.84	16.60
23 05 23 00-0217	EA	1-1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	136.96	17.66
23 05 23 00-0218	EA	1-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	164.60	20.44
23 05 23 00-0219	EA	2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	210.28	24.16
23 05 23 00-0220	EA	2-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	384.44	32.64
23 05 23 00-0221	EA	3" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	428.60	37.89
23 05 23 00-0222	EA	4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	587.99	42.78
23 05 23 00-0223		Three Piece Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0224		Threaded Or Sweated, Bronze Body, Three Piece Ball Valves *(23 05 23 00-0223)*		
23 05 23 00-0225	EA	1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	106.73	13.28
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0226	EA	3/8" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	108.76	13.28
		For Work In Restricted Working Space, Add	*12.21*	
23 05 23 00-0227	EA	1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	121.74	13.28
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0228	EA	3/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	154.55	14.61
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0229	EA	1" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	197.05	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0230	EA	1-1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	271.32	17.66
		For Work In Restricted Working Space, Add	*26.56*	
23 05 23 00-0231	EA	1-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	338.78	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0232	EA	2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	549.49	24.16
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0233	EA	2-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,173.96	34.66
		For Work In Restricted Working Space, Add	*53.10*	
23 05 23 00-0234		Threaded, Carbon Steel Body, Three Piece Ball Valves *(23 05 23 00-0223)*		
23 05 23 00-0235	EA	1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	123.16	13.28
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0236	EA	3/8" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	134.71	13.28
		For Work In Restricted Working Space, Add	*12.21*	
23 05 23 00-0237	EA	1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	142.93	13.28
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0238	EA	3/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	226.95	14.61
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0239	EA	1" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	289.57	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0240	EA	1-1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	436.70	17.66
		For Work In Restricted Working Space, Add	*26.56*	
23 05 23 00-0241	EA	1-1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	554.57	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0242	EA	2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	719.96	24.16
		For Work In Restricted Working Space, Add	*36.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0243		**Threaded, Stainless Steel Body, Three Piece Ball Valves** *(23 05 23 00-0223)*		
23 05 23 00-0244	EA	1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	311.88	13.28
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0245	EA	3/8" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	334.26	13.28
		For Work In Restricted Working Space, Add	*12.21*	
23 05 23 00-0246	EA	1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	352.34	13.28
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0247	EA	3/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	510.74	14.61
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0248	EA	1" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	622.63	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0249	EA	1-1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	727.79	17.66
		For Work In Restricted Working Space, Add	*26.56*	
23 05 23 00-0250	EA	1-1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	973.11	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0251	EA	2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	1,265.39	24.16
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0252	EA	3" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	3,316.94	41.16
		For Work In Restricted Working Space, Add	*61.28*	
23 05 23 00-0253		**Globe Valves** *(23 05 23)*		
23 05 23 00-0254		**Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves** *(23 05 23 00-0253)*		
23 05 23 00-0255	EA	1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	80.97	13.28
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0256	EA	1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	76.80	13.28
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0257	EA	3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	97.62	13.28
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*12.21*	
23 05 23 00-0258	EA	1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	99.76	13.28
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*79.76*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0259	EA	3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	119.44	13.94
		For 150 Lb. Rating, Add	*19.13*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*90.98*	
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0260	EA	1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	153.29	13.94
		For 150 Lb. Rating, Add	*25.86*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*119.70*	
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0261	EA	1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	232.57	17.66
		For 150 Lb. Rating, Add	*44.66*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*193.87*	
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0262	EA	1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	308.02	20.44
		For 150 Lb. Rating, Add	*63.83*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*267.33*	
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0263	EA	2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	362.74	24.16
		For 150 Lb. Rating, Add	*75.03*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*314.52*	
		For Work In Restricted Working Space, Add	*36.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0264	EA	2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	407.02	32.64
		For 150 Lb. Rating, Add	*75.65*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*48.90*	
23 05 23 00-0265	EA	3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	734.79	37.89
		For 150 Lb. Rating, Add	*169.48*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*56.42*	
23 05 23 00-0266		Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0253)*		
23 05 23 00-0267	EA	2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	545.95	24.16
		For 150 Lb. Rating, Add	*131.83*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 300 Lb. Rating, Add	*233.89*	
		For Chain Operated Type, Add	*355.08*	
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0268	EA	2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	678.44	32.64
		For 150 Lb. Rating, Add	*159.79*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 300 Lb. Rating, Add	*283.50*	
		For Chain Operated Type, Add	*430.40*	
		For Work In Restricted Working Space, Add	*48.90*	
23 05 23 00-0269	EA	3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	806.61	37.89
		For 150 Lb. Rating, Add	*191.75*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 300 Lb. Rating, Add	*340.20*	
		For Chain Operated Type, Add	*516.48*	
		For Work In Restricted Working Space, Add	*56.42*	
23 05 23 00-0270	EA	4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,038.59	42.78
		For 150 Lb. Rating, Add	*255.66*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 300 Lb. Rating, Add	*453.60*	
		For Chain Operated Type, Add	*688.64*	
		For Work In Restricted Working Space, Add	*64.16*	
23 05 23 00-0271		Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0253)*		
23 05 23 00-0272	EA	2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	742.12	176.98
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*66.38*	
23 05 23 00-0273	EA	2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	857.20	177.26
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*66.68*	
23 05 23 00-0274	EA	3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,022.02	207.82
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*78.03*	
23 05 23 00-0275	EA	4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,452.49	348.41
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*130.98*	
23 05 23 00-0276	EA	5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,874.00	369.60
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*138.38*	
23 05 23 00-0277	EA	6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,300.90	410.66
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*154.55*	
23 05 23 00-0278	EA	8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,397.91	524.73
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*195.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0279	EA	10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,981.10	638.80
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*239.55*	
23 05 23 00-0280	EA	12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,882.50	775.69
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*290.36*	
23 05 23 00-0281		**Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves** *(23 05 23 00-0253)*		
23 05 23 00-0282	EA	1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	71.72	13.28
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0283	EA	1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	67.55	13.28
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0284	EA	3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	69.58	13.28
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*12.21*	
23 05 23 00-0285	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	73.65	13.28
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For 300 Lb. Rating, Add	*16.95*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0286	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	100.46	13.94
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For 300 Lb. Rating, Add	*23.51*	
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0287	EA	1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	125.96	13.94
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For 300 Lb. Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0288	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	171.82	17.66
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For 300 Lb. Rating, Add	*45.82*	
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0289	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	199.26	20.44
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For 300 Lb. Rating, Add	*53.42*	
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0290	EA	2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	266.99	24.16
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For 300 Lb. Rating, Add	*80.46*	
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0291	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	440.92	35.45
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For 300 Lb. Rating, Add	*145.14*	
		For Work In Restricted Working Space, Add	*53.11*	
23 05 23 00-0292	EA	3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	651.16	41.16
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For 300 Lb. Rating, Add	*245.80*	
		For Work In Restricted Working Space, Add	*61.28*	
23 05 23 00-0293		**Flanged, 125 Lb., Iron Body, Angle Globe Valves** *(23 05 23 00-0253)*		
23 05 23 00-0294	EA	2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,561.31	176.98
		For 250 Lb. Rating, Add	*804.02*	
		For Chain Operated Type, Add	*522.61*	
		For Work In Restricted Working Space, Add	*66.38*	
23 05 23 00-0295	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,807.09	177.26
		For 250 Lb. Rating, Add	*950.89*	
		For Chain Operated Type, Add	*618.08*	
		For Work In Restricted Working Space, Add	*66.68*	
23 05 23 00-0296	EA	3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,127.69	207.82
		For 250 Lb. Rating, Add	*1,120.55*	
		For Chain Operated Type, Add	*728.36*	
		For Work In Restricted Working Space, Add	*78.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0297	EA	4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,104.05	348.41
		For 250 Lb. Rating, Add	*1,600.47*	
		For Chain Operated Type, Add	*1,040.31*	
		For Work In Restricted Working Space, Add	*130.98*	
23 05 23 00-0298	EA	5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,241.86	369.60
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*138.38*	
23 05 23 00-0299	EA	6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,295.74	410.66
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*154.55*	
23 05 23 00-0300	EA	8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	10,008.38	524.73
		For 250 Lb. Rating, Add	*5,613.92*	
		For Chain Operated Type, Add	*3,649.05*	
		For Work In Restricted Working Space, Add	*195.55*	

23 05 23 00-0301 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0253)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0302	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	223.47	21.51
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0303	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	227.64	21.51
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0304	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	267.97	28.94
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0305	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	330.99	34.92
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0306	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	536.13	44.21
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0307	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	643.01	51.12
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0308	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	817.57	60.41
		For Work In Restricted Working Space, Add	*36.21*	

23 05 23 00-0309 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0310 Straight Pattern, Triple Duty Valves *(23 05 23 00-0309)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0311	EA	1" Diameter Threaded, Straight Pattern, Triple Duty Valve	327.40	13.94
23 05 23 00-0312	EA	1-1/4" Diameter Threaded, Straight Pattern, Triple Duty Valve	380.01	17.66
23 05 23 00-0313	EA	1-1/2" Diameter Threaded, Straight Pattern, Triple Duty Valve	413.12	20.44
23 05 23 00-0314	EA	2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,066.86	176.98
23 05 23 00-0315	EA	2-1/2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,199.06	177.26
23 05 23 00-0316	EA	3" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,314.64	207.82
23 05 23 00-0317	EA	4" Diameter Flanged, Straight Pattern, Triple Duty Valve	2,681.75	348.41
23 05 23 00-0318	EA	5" Diameter Flanged, Straight Pattern Triple Duty Valve	3,109.78	369.60
23 05 23 00-0319	EA	6" Diameter Flanged, Straight Pattern, Triple Duty Valve	4,130.73	410.66
23 05 23 00-0320	EA	8" Diameter Flanged, Straight Pattern, Triple Duty Valve	5,560.08	524.73
23 05 23 00-0321	EA	10" Diameter Flanged, Straight Pattern, Triple Duty Valve	8,904.38	638.80

23 05 23 00-0322 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0309)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0323	EA	2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,042.56	176.98
23 05 23 00-0324	EA	2-1/2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,169.90	177.26
23 05 23 00-0325	EA	3" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,290.34	207.82
23 05 23 00-0326	EA	4" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,618.58	348.41
23 05 23 00-0327	EA	5" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,032.03	369.60
23 05 23 00-0328	EA	6" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,401.79	410.66
23 05 23 00-0329	EA	8" Diameter Flanged, Angle Pattern, Triple Duty Valve	5,215.04	524.73
23 05 23 00-0330	EA	10" Diameter Flanged, Angle Pattern, Triple Duty Valve	6,965.38	638.80

23 05 23 00-0331 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0309)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0332	EA	3" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,207.73	207.82
23 05 23 00-0333	EA	4" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,399.89	348.41
23 05 23 00-0334	EA	5" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,784.19	369.60
23 05 23 00-0335	EA	6" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,688.50	410.66
23 05 23 00-0336	EA	8" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,957.48	524.73
23 05 23 00-0337	EA	10" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,898.43	638.80
23 05 23 00-0338	EA	12" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,873.14	775.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0339	EA	14" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,428.81	912.57
23 05 23 00-0340	EA	16" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	18,065.28	1,003.84
23 05 23 00-0341		**Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0309)*		
		Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0342	EA	2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,117.58	32.80
23 05 23 00-0343	EA	2-1/2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,332.28	39.12
23 05 23 00-0344	EA	3" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,550.62	42.42
23 05 23 00-0345	EA	4" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,571.78	45.72
23 05 23 00-0346	EA	5" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,978.19	58.18
23 05 23 00-0347	EA	6" Diameter Grooved, Straight Pattern Triple Duty Valve	3,970.34	74.60
23 05 23 00-0348	EA	8" Diameter Grooved, Straight Pattern Triple Duty Valve	5,399.58	94.68
23 05 23 00-0349	EA	10" Diameter Grooved, Straight Pattern Triple Duty Valve	8,518.28	106.08
23 05 23 00-0350	EA	12" Diameter Grooved, Straight Pattern Triple Duty Valve	13,522.50	129.35
23 05 23 00-0351		**Plug Valves** *(23 05 23)*		
23 05 23 00-0352		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0351)*		
		Note: Includes wrench.		
23 05 23 00-0353	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	313.16	13.28
23 05 23 00-0354	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	328.05	14.61
23 05 23 00-0355	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	414.68	16.60
23 05 23 00-0356	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	496.76	17.66
23 05 23 00-0357	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	546.24	20.44
23 05 23 00-0358	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	644.80	24.16
23 05 23 00-0359	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	965.69	32.64
23 05 23 00-0360	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,181.10	37.89
23 05 23 00-0361		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0351)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0362	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	777.47	176.98
23 05 23 00-0363	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	954.91	177.26
23 05 23 00-0364	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,180.69	207.82
23 05 23 00-0365	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,683.24	348.41
23 05 23 00-0366	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,840.80	410.66
23 05 23 00-0367	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,643.36	524.73
23 05 23 00-0368	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,783.09	638.80
23 05 23 00-0369	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,123.13	775.69
23 05 23 00-0370		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0351)*		
23 05 23 00-0371	EA	1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,199.11	13.28
23 05 23 00-0372	EA	3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,417.17	14.61
23 05 23 00-0373	EA	1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,602.39	16.60
23 05 23 00-0374	EA	1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,922.84	17.66
23 05 23 00-0375	EA	1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,239.12	20.44
23 05 23 00-0376	EA	2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,944.94	24.16
23 05 23 00-0377		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0351)*		
23 05 23 00-0378	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,248.60	348.41
23 05 23 00-0379	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,907.53	410.66
23 05 23 00-0380	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,592.66	524.73
23 05 23 00-0381	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,671.12	638.80
23 05 23 00-0382	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,737.68	775.69
23 05 23 00-0383		**Foot Valves** *(23 05 23)*		
23 05 23 00-0384		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0383)*		
23 05 23 00-0385	EA	1" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	106.41	33.20
23 05 23 00-0386	EA	1-1/4" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	120.91	37.19
23 05 23 00-0387	EA	1-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	154.33	42.50
23 05 23 00-0388	EA	2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	202.21	47.81
23 05 23 00-0389	EA	2-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	457.52	78.37
23 05 23 00-0390	EA	3" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	584.37	95.62
23 05 23 00-0391		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0383)*		
23 05 23 00-0392	EA	1" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	106.41	33.20
23 05 23 00-0393	EA	1-1/4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	223.69	37.19
23 05 23 00-0394	EA	1-1/2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	213.62	42.50
23 05 23 00-0395	EA	2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	289.13	47.81
23 05 23 00-0396	EA	3" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	565.29	78.37
23 05 23 00-0397	EA	4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	767.24	94.30
23 05 23 00-0398		**Float Valves** *(23 05 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0399		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0398)*		
23 05 23 00-0400		Single Seat, Bronze Construction *(23 05 23 00-0399)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0401	EA	1/2" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	241.58	27.89
23 05 23 00-0402	EA	3/4" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	277.07	33.19
23 05 23 00-0403	EA	1" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	358.57	35.84
23 05 23 00-0404	EA	1-1/4" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	596.63	45.14
23 05 23 00-0405	EA	1-1/2" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	609.91	51.78
23 05 23 00-0406		Double Seat, Bronze Construction *(23 05 23 00-0399)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0407	EA	1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,281.92	27.89
23 05 23 00-0408	EA	3/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,292.55	33.19
23 05 23 00-0409	EA	1" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,491.60	35.84
23 05 23 00-0410	EA	1-1/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,649.51	45.14
23 05 23 00-0411	EA	1-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,885.73	51.78
23 05 23 00-0412	EA	2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,472.81	61.07
23 05 23 00-0413	EA	2-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,876.86	81.90
23 05 23 00-0414	EA	3" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	3,459.87	94.13
23 05 23 00-0415		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0398)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0416		Brass Body Threaded Ends *(23 05 23 00-0415)*		
23 05 23 00-0417	EA	1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	258.03	35.99
23 05 23 00-0418	EA	3/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	291.57	39.96
23 05 23 00-0419	EA	1" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	360.03	44.21
23 05 23 00-0420	EA	1-1/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	575.62	71.43
23 05 23 00-0421	EA	1-1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	604.29	81.39
23 05 23 00-0422	EA	2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	682.33	100.90
23 05 23 00-0423		Cast Iron Body Flanged *(23 05 23 00-0415)*		
23 05 23 00-0424	EA	2-1/2" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	8,057.95	177.26
23 05 23 00-0425	EA	3" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	9,742.77	207.82
23 05 23 00-0426		Float Operated Valves *(23 05 23 00-0398)*		
23 05 23 00-0427		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0426)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0428	EA	1" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	905.06	62.40
23 05 23 00-0429		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0426)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0430	EA	3/4" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,144.11	116.13
23 05 23 00-0431		Needle Valves *(23 05 23)*		
23 05 23 00-0432		Bronze Needle Valve *(23 05 23 00-0431)*		
		Note: For heating and cooling applications.		
23 05 23 00-0433	EA	1/4" Diameter, Bronze, Needle Valve	126.50	13.28
23 05 23 00-0434	EA	3/8" Diameter, Bronze, Needle Valve	140.90	13.28
23 05 23 00-0435	EA	1/2" Diameter, Bronze, Needle Valve	154.02	13.28
23 05 23 00-0436	EA	3/4" Diameter, Bronze, Needle Valve	233.34	14.61
23 05 23 00-0437	EA	1" Diameter, Bronze, Needle Valve	356.35	16.60
23 05 23 00-0438		Eccentric Valves With Taps *(23 05 23)*		
23 05 23 00-0439		Screwed Eccentric Valves With Taps *(23 05 23 00-0438)*		
23 05 23 00-0440	EA	1/2" Diameter Threaded, Eccentric Valves With Taps	292.59	13.28
23 05 23 00-0441	EA	3/4" Diameter Threaded, Eccentric Valves With Taps	311.32	14.61
23 05 23 00-0442	EA	1" Diameter Threaded, Eccentric Valves With Taps	392.65	16.60
23 05 23 00-0443	EA	1-1/4" Diameter Threaded, Eccentric Valves With Taps	476.60	17.66
23 05 23 00-0444	EA	1-1/2" Diameter Threaded, Eccentric Valves With Taps	520.96	20.44
23 05 23 00-0445	EA	2" Diameter Threaded, Eccentric Valves With Taps	612.54	24.16
23 05 23 00-0446	EA	2-1/2" Diameter Threaded, Eccentric Valves With Taps	923.80	32.64
23 05 23 00-0447	EA	3" Diameter Threaded, Eccentric Valves With Taps	1,121.79	37.89
23 05 23 00-0448		Flanged Eccentric Valves With Taps *(23 05 23 00-0438)*		
23 05 23 00-0449	EA	2-1/2" Diameter Flanged, Eccentric Valves With Taps	1,125.25	177.26
23 05 23 00-0450	EA	3" Diameter Flanged, Eccentric Valves With Taps	1,335.99	207.82
23 05 23 00-0451	EA	4" Diameter Flanged, Eccentric Valves With Taps	1,800.68	348.41
23 05 23 00-0452	EA	5" Diameter Flanged, Eccentric Valves With Taps	2,382.52	369.60
23 05 23 00-0453	EA	6" Diameter Flanged, Eccentric Valves With Taps	3,012.77	410.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0454	EA	8" Diameter Flanged, Eccentric Valves With Taps	5,166.75	524.73
23 05 23 00-0455	EA	10" Diameter Flanged, Eccentric Valves With Taps	7,234.65	638.80
23 05 23 00-0456	EA	12" Diameter Flanged, Eccentric Valves With Taps	12,399.26	775.69

23 05 23 00-0457 Check Valves *(23 05 23)*

23 05 23 00-0458 Iron Body Wafer Type Check Valve *(23 05 23 00-0457)*

23 05 23 00-0459 Single Disk Type *(23 05 23 00-0458)*

23 05 23 00-0460	EA	2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	504.86	177.04
		For 150 Lb. Rating, Add	*59.54*	
		For 200 Lb. Rating, Add	*70.88*	
		For 300 Lb. Rating, Add	*85.05*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*171.85*	
23 05 23 00-0461	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	593.82	177.35
		For 150 Lb. Rating, Add	*78.00*	
		For 200 Lb. Rating, Add	*92.86*	
		For 300 Lb. Rating, Add	*111.43*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*211.62*	
23 05 23 00-0462	EA	3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	729.73	207.92
		For 150 Lb. Rating, Add	*98.60*	
		For 200 Lb. Rating, Add	*117.38*	
		For 300 Lb. Rating, Add	*140.85*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*263.32*	
23 05 23 00-0463	EA	4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,072.71	348.57
		For 150 Lb. Rating, Add	*133.54*	
		For 200 Lb. Rating, Add	*158.98*	
		For 300 Lb. Rating, Add	*190.77*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*373.52*	
23 05 23 00-0464	EA	6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,607.57	489.22
		For 150 Lb. Rating, Add	*209.17*	
		For 200 Lb. Rating, Add	*249.01*	
		For 300 Lb. Rating, Add	*298.81*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*570.52*	
23 05 23 00-0465	EA	8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	2,229.25	562.60
		For 150 Lb. Rating, Add	*320.99*	
		For 200 Lb. Rating, Add	*382.14*	
		For 300 Lb. Rating, Add	*458.56*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*827.99*	
23 05 23 00-0466	EA	10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	3,303.79	684.91
		For 150 Lb. Rating, Add	*512.69*	
		For 200 Lb. Rating, Add	*610.35*	
		For 300 Lb. Rating, Add	*732.41*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,271.10*	

23 05 23 00-0467 Twin Disc Type *(23 05 23 00-0458)*

23 05 23 00-0468	EA	2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valvev	700.00	177.04
		For 150 Lb. Rating, Add	*100.51*	
		For 200 Lb. Rating, Add	*119.66*	
		For 300 Lb. Rating, Add	*143.59*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*259.66*	
23 05 23 00-0469	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	796.81	177.35
		For 150 Lb. Rating, Add	*120.63*	
		For 200 Lb. Rating, Add	*143.61*	
		For 300 Lb. Rating, Add	*172.33*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*302.97*	
23 05 23 00-0470	EA	3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	930.45	207.92
		For 150 Lb. Rating, Add	*140.75*	
		For 200 Lb. Rating, Add	*167.56*	
		For 300 Lb. Rating, Add	*201.07*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*353.65*	
23 05 23 00-0471	EA	4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,287.94	348.57
		For 150 Lb. Rating, Add	*178.74*	
		For 200 Lb. Rating, Add	*212.78*	
		For 300 Lb. Rating, Add	*255.34*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*470.37*	
23 05 23 00-0472	EA	6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,984.01	489.22
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Add	*411.74*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*739.92*	
23 05 23 00-0473	EA	8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,794.90	562.60
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Add	*628.80*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,082.98*	
23 05 23 00-0474	EA	10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	4,175.92	672.68
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Add	*995.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,665.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0475	EA	12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	5,483.81	831.68
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Add	*1,334.20*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,208.59*	
23 05 23 00-0476	EA	14" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	10,331.29	965.88
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Add	*2,713.04*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,327.12*	
23 05 23 00-0477	EA	16" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	14,183.88	1,133.31
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Add	*3,830.18*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*6,028.59*	
23 05 23 00-0478	EA	18" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	18,908.70	1,262.09
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Add	*5,200.40*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*8,115.41*	
23 05 23 00-0479	EA	20" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	22,500.90	1,416.63
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Add	*6,219.03*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,682.71*	
23 05 23 00-0480	EA	24" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	29,418.08	1,738.59
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Add	*8,171.60*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,693.28*	

23 05 23 00-0481 Lift Check Valves *(23 05 23 00-0457)*

23 05 23 00-0482 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0481)*

Note: Watts #600 series.

23 05 23 00-0483	EA	3/8" Diameter Threaded, Bronze, Lift Check Valve	130.22	13.28
23 05 23 00-0484	EA	1/2" Diameter Threaded, Bronze, Lift Check Valve	137.78	13.28
23 05 23 00-0485	EA	3/4" Diameter Threaded, Bronze, Lift Check Valve	175.97	13.94
23 05 23 00-0486	EA	1" Diameter Threaded, Bronze, Lift Check Valve	231.27	13.94
23 05 23 00-0487	EA	1-1/4" Diameter Threaded, Bronze, Lift Check Valve	319.84	17.66
23 05 23 00-0488	EA	1-1/2" Diameter Threaded, Bronze, Lift Check Valve	388.56	20.44
23 05 23 00-0489	EA	2" Diameter Threaded, Bronze, Lift Check Valve	551.37	24.16

23 05 23 00-0490 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0481)*

Note: Crane 366E.

23 05 23 00-0491	EA	1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	786.50	13.28
23 05 23 00-0492	EA	3/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	955.90	13.94
23 05 23 00-0493	EA	1" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	1,711.77	13.94
23 05 23 00-0494	EA	1-1/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,280.91	17.66
23 05 23 00-0495	EA	1-1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,478.05	20.44
23 05 23 00-0496	EA	2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	3,182.29	24.16

23 05 23 00-0497 Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves *(23 05 23 00-0481)*

Note: Mueller 105MAP.

23 05 23 00-0498	EA	2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	1,164.00	176.98
23 05 23 00-0499	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,146.92	177.26
23 05 23 00-0500	EA	3" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,335.32	207.82
23 05 23 00-0501	EA	4" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	3,225.38	348.41
23 05 23 00-0502	EA	5" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	4,048.72	369.60
23 05 23 00-0503	EA	6" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	5,009.29	410.66
23 05 23 00-0504	EA	8" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	8,877.43	524.73
23 05 23 00-0505	EA	10" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	11,154.96	638.80
23 05 23 00-0506	EA	12" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	18,198.09	775.69
23 05 23 00-0507	EA	14" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	24,822.95	1,077.95
23 05 23 00-0508	EA	16" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	27,510.79	1,185.75

23 05 23 00-0509 Bronze Body Swing Check Valves *(23 05 23 00-0457)*

23 05 23 00-0510 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0509)*

23 05 23 00-0511	EA	1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	89.83	13.28
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0512	EA	1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	85.66	13.28
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*11.60*	
23 05 23 00-0513	EA	3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	87.69	13.28
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*12.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0514	EA	1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	91.67	13.28
		For 300 Lb. Rating, Add	*19.05*	
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0515	EA	3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	116.90	13.94
		For 300 Lb. Rating, Add	*23.08*	
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0516	EA	1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	150.24	13.94
		For 300 Lb. Rating, Add	*31.34*	
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0517	EA	1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	201.31	17.66
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0518	EA	1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	260.10	20.44
		For 300 Lb. Rating, Add	*61.61*	
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0519	EA	2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	323.79	24.16
		For 300 Lb. Rating, Add	*79.21*	
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0520	EA	2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	629.86	32.64
		For 300 Lb. Rating, Add	*182.08*	
		For Work In Restricted Working Space, Add	*48.90*	
23 05 23 00-0521	EA	3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	852.08	37.89
		For 300 Lb. Rating, Add	*258.96*	
		For Work In Restricted Working Space, Add	*56.42*	
23 05 23 00-0522	EA	4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	965.33	42.78
		For 300 Lb. Rating, Add	*293.05*	
		For Work In Restricted Working Space, Add	*64.18*	

23 05 23 00-0523 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0457)*

23 05 23 00-0524	EA	1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	673.96	99.58
		For 150 Lb. Rating, Add	*373.12*	
		For 250 Lb. Rating, Add	*713.31*	
		For Work In Restricted Working Space, Add	*37.58*	
23 05 23 00-0525	EA	1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	748.82	116.17
		For 150 Lb. Rating, Add	*411.07*	
		For 250 Lb. Rating, Add	*785.86*	
		For Work In Restricted Working Space, Add	*43.29*	
23 05 23 00-0526	EA	1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	830.34	139.41
		For 150 Lb. Rating, Add	*445.84*	
		For 250 Lb. Rating, Add	*852.35*	
		For Work In Restricted Working Space, Add	*52.41*	
23 05 23 00-0527	EA	2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,035.59	176.98
		For 150 Lb. Rating, Add	*553.73*	
		For 250 Lb. Rating, Add	*1,058.60*	
		For Work In Restricted Working Space, Add	*66.38*	
23 05 23 00-0528	EA	2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,172.63	177.26
		For 150 Lb. Rating, Add	*646.24*	
		For 250 Lb. Rating, Add	*1,235.47*	
		For Work In Restricted Working Space, Add	*66.68*	
23 05 23 00-0529	EA	3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,292.85	207.82
		For 150 Lb. Rating, Add	*702.27*	
		For 250 Lb. Rating, Add	*1,342.58*	
		For Work In Restricted Working Space, Add	*78.03*	
23 05 23 00-0530	EA	4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,032.65	348.41
		For 150 Lb. Rating, Add	*1,085.31*	
		For 250 Lb. Rating, Add	*2,074.87*	
		For Work In Restricted Working Space, Add	*130.98*	
23 05 23 00-0531	EA	5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,804.60	369.60
		For 150 Lb. Rating, Add	*1,593.46*	
		For 250 Lb. Rating, Add	*3,046.32*	
		For Work In Restricted Working Space, Add	*138.38*	
23 05 23 00-0532	EA	6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	3,232.13	410.66
		For 150 Lb. Rating, Add	*1,847.54*	
		For 250 Lb. Rating, Add	*3,532.06*	
		For Work In Restricted Working Space, Add	*154.55*	
23 05 23 00-0533	EA	8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	7,435.12	524.73
		For 150 Lb. Rating, Add	*4,612.63*	
		For 250 Lb. Rating, Add	*8,818.26*	
		For Work In Restricted Working Space, Add	*195.55*	
23 05 23 00-0534	EA	10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	10,031.99	638.80
		For 150 Lb. Rating, Add	*6,278.77*	
		For 250 Lb. Rating, Add	*12,003.54*	
		For Work In Restricted Working Space, Add	*239.55*	
23 05 23 00-0535	EA	12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	15,367.06	775.69
		For 150 Lb. Rating, Add	*9,791.44*	
		For 250 Lb. Rating, Add	*18,718.93*	
		For Work In Restricted Working Space, Add	*290.36*	
23 05 23 00-0536	EA	14" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	17,649.28	1,077.95
		For 150 Lb. Rating, Add	*11,085.25*	
		For 250 Lb. Rating, Add	*21,192.39*	
		For Work In Restricted Working Space, Add	*404.23*	
23 05 23 00-0537	EA	16" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	25,225.70	1,185.75
		For 150 Lb. Rating, Add	*16,145.59*	
		For 250 Lb. Rating, Add	*30,866.58*	
		For Work In Restricted Working Space, Add	*444.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0538	EA	18" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	38,962.01	1,315.11
		For 150 Lb. Rating, Add	*25,376.34*	
		For 250 Lb. Rating, Add	*48,513.58*	
		For Work In Restricted Working Space, Add	*493.16*	
23 05 23 00-0539	EA	20" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	53,793.32	1,482.18
		For 150 Lb. Rating, Add	*35,319.60*	
		For 250 Lb. Rating, Add	*67,522.77*	
		For Work In Restricted Working Space, Add	*555.82*	
23 05 23 00-0540	EA	24" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	74,987.38	1,819.04
		For 150 Lb. Rating, Add	*49,445.23*	
		For 250 Lb. Rating, Add	*94,527.64*	
		For Work In Restricted Working Space, Add	*682.14*	

23 05 23 00-0541 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0457)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0542	EA	1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	205.60	13.28
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0543	EA	3/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	242.53	14.61
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0544	EA	1" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	286.91	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0545	EA	1-1/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	443.44	17.66
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0546	EA	1-1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	526.02	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0547	EA	2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	710.75	24.16
		For Work In Restricted Working Space, Add	*36.21*	

23 05 23 00-0548 Plastic Check Valve *(23 05 23 00-0457)*

23 05 23 00-0549 Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0548)*

23 05 23 00-0550 Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0549)*

23 05 23 00-0551	EA	1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	100.85	13.28
23 05 23 00-0552	EA	3/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	120.02	14.61
23 05 23 00-0553	EA	1" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	138.26	16.60
23 05 23 00-0554	EA	1-1/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	196.00	17.66
23 05 23 00-0555	EA	1-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	218.58	20.44
23 05 23 00-0556	EA	2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	367.58	22.25
23 05 23 00-0557	EA	2-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	450.63	32.64
23 05 23 00-0558	EA	3" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	494.62	37.89
23 05 23 00-0559	EA	4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	715.55	42.78
23 05 23 00-0560	EA	3" Diameter Flanged, Polyvinyl Chloride (PVC) "Y" Type Check Valve	690.06	207.82

23 05 23 00-0561 Polyvinyl Chloride (PVC) True Union Ball Check Valve *(23 05 23 00-0549)*

23 05 23 00-0562 Valves *(23 05 23 00-0561)*

23 05 23 00-0563	EA	1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	77.66	13.28
23 05 23 00-0564	EA	3/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	97.53	14.61
23 05 23 00-0565	EA	1" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	119.64	16.60
23 05 23 00-0566	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	154.86	17.66
23 05 23 00-0567	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	181.75	20.44
23 05 23 00-0568	EA	2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	265.02	24.16
23 05 23 00-0569	EA	3" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	430.06	32.64
23 05 23 00-0570	EA	4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	723.86	37.89

23 05 23 00-0571 Foot Valve Screen *(23 05 23 00-0561)*

Note: For use with PVC true union ball check valves above.

23 05 23 00-0572	EA	1/2" Diameter, Foot Valve Screen Option	61.97	
23 05 23 00-0573	EA	3/4" Diameter, Foot Valve Screen Option	74.11	
23 05 23 00-0574	EA	1" Diameter, Foot Valve Screen Option	85.88	
23 05 23 00-0575	EA	1-1/4" Diameter, Foot Valve Screen Option	129.65	
23 05 23 00-0576	EA	1-1/2" Diameter, Foot Valve Screen Option	143.44	
23 05 23 00-0577	EA	2" Diameter, Foot Valve Screen Option	155.21	
23 05 23 00-0578	EA	2-1/2" Diameter, Foot Valve Screen Option	185.18	
23 05 23 00-0579	EA	3" Diameter, Foot Valve Screen Option	215.16	
23 05 23 00-0580	EA	4" Diameter, Foot Valve Screen Option	261.13	

23 05 23 00-0581 Hayward "True Check" With VITON Seals *(23 05 23 00-0561)*

23 05 23 00-0582	EA	1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	70.18	13.28
23 05 23 00-0583	EA	3/8" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	72.21	13.28
23 05 23 00-0584	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	78.49	13.28
23 05 23 00-0585	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	97.45	14.61
23 05 23 00-0586	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	120.81	16.60
23 05 23 00-0587	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	154.78	17.66
23 05 23 00-0588	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	186.73	20.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0589	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	233.50	24.16
23 05 23 00-0590	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	425.08	32.64
23 05 23 00-0591	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	466.75	37.89
23 05 23 00-0592	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	728.99	42.78
23 05 23 00-0593		Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0561)*		
23 05 23 00-0594	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	74.35	13.28
23 05 23 00-0595	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	93.38	14.61
23 05 23 00-0596	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	115.17	16.60
23 05 23 00-0597	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	148.64	17.66
23 05 23 00-0598	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	175.45	20.44
23 05 23 00-0599	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	223.55	24.16
23 05 23 00-0600	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	410.15	32.64
23 05 23 00-0601	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	454.31	37.89
23 05 23 00-0602	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	709.91	42.78
23 05 23 00-0603		Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged *(23 05 23 00-0549)*		
23 05 23 00-0604	EA	1" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	357.78	79.67
23 05 23 00-0605	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	390.36	92.94
23 05 23 00-0606	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	430.34	116.17
23 05 23 00-0607	EA	2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	525.50	146.04
23 05 23 00-0608	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	629.45	146.77
23 05 23 00-0609	EA	3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	856.18	171.23
23 05 23 00-0610	EA	4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,189.37	290.48
23 05 23 00-0611	EA	6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,956.39	489.22
23 05 23 00-0612		Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0548)*		
23 05 23 00-0613	EA	1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	68.76	13.28
		For Work In Restricted Working Space, Add	*12.85*	
23 05 23 00-0614	EA	3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	83.65	14.61
		For Work In Restricted Working Space, Add	*17.32*	
23 05 23 00-0615	EA	1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	96.83	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0616	EA	1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	116.58	17.66
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0617	EA	1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	131.82	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0618	EA	2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	166.86	24.16
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0619	EA	2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	228.71	32.64
		For Work In Restricted Working Space, Add	*48.90*	
23 05 23 00-0620	EA	3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	273.35	37.89
		For Work In Restricted Working Space, Add	*56.42*	
23 05 23 00-0621		Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0548)*		
23 05 23 00-0622		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0621)*		
23 05 23 00-0623	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	681.11	171.14
		For Work In Restricted Working Space, Add	*65.49*	
23 05 23 00-0624	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	877.10	290.34
		For Work In Restricted Working Space, Add	*107.87*	
23 05 23 00-0625	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,380.39	342.21
		For Work In Restricted Working Space, Add	*140.91*	
23 05 23 00-0626	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,834.17	433.48
		For Work In Restricted Working Space, Add	*159.70*	
23 05 23 00-0627		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0621)*		
23 05 23 00-0628	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	800.54	171.14
		For Work In Restricted Working Space, Add	*65.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0629	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,140.84	290.34
		For Work In Restricted Working Space, Add	*107.87*	
23 05 23 00-0630	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,630.21	342.21
		For Work In Restricted Working Space, Add	*140.91*	
23 05 23 00-0631	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,132.75	433.48
		For Work In Restricted Working Space, Add	*159.70*	

23 05 23 00-0632 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0621)*

23 05 23 00-0633	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	832.06	171.14
		For Work In Restricted Working Space, Add	*65.49*	
23 05 23 00-0634	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,143.33	290.34
		For Work In Restricted Working Space, Add	*107.87*	
23 05 23 00-0635	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,519.73	342.21
		For Work In Restricted Working Space, Add	*140.91*	
23 05 23 00-0636	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,948.96	433.48
		For Work In Restricted Working Space, Add	*159.70*	

23 05 23 00-0637 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0621)*

23 05 23 00-0638	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	931.58	171.14
		For Work In Restricted Working Space, Add	*65.49*	
23 05 23 00-0639	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,288.48	290.34
		For Work In Restricted Working Space, Add	*107.87*	
23 05 23 00-0640	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,727.08	342.21
		For Work In Restricted Working Space, Add	*140.91*	
23 05 23 00-0641	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	2,197.78	433.48
		For Work In Restricted Working Space, Add	*159.70*	

23 05 23 00-0642 Diaphragm Valves *(23 05 23)*

23 05 23 00-0643 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0642)*

23 05 23 00-0644	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	305.36	39.73
23 05 23 00-0645	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	391.28	44.01
23 05 23 00-0646	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	424.43	54.40
23 05 23 00-0647	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	673.69	81.30
23 05 23 00-0648	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,083.95	97.80

23 05 23 00-0649 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0642)*

23 05 23 00-0650	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	486.70	63.73
23 05 23 00-0651	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	570.72	66.39
23 05 23 00-0652	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	667.65	99.58
23 05 23 00-0653	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,018.37	139.41
23 05 23 00-0654	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,650.42	176.98
23 05 23 00-0655	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,140.03	177.26
23 05 23 00-0656	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,666.38	207.82
23 05 23 00-0657	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	3,739.86	348.41
23 05 23 00-0658	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	7,915.66	410.66
23 05 23 00-0659	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	12,387.22	524.73

23 05 23 00-0660 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0642)*

23 05 23 00-0661	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	187.73	39.73
23 05 23 00-0662	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	245.78	44.01

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23 05 23 00-0663	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	278.93	54.40
23 05 23 00-0664	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	475.56	81.30
23 05 23 00-0665	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	622.71	97.80
23 05 23 00-0666		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0642)*		
23 05 23 00-0667	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	316.42	63.73
23 05 23 00-0668	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	368.45	66.39
23 05 23 00-0669	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	465.34	99.58
23 05 23 00-0670	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	742.90	139.41
23 05 23 00-0671	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,009.01	176.98
23 05 23 00-0672	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,249.30	177.26
23 05 23 00-0673	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,525.67	207.82
23 05 23 00-0674	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	2,395.22	348.41
23 05 23 00-0675	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	4,903.17	410.66
23 05 23 00-0676	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	7,609.15	524.73
23 05 23 00-0677		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0642)*		
23 05 23 00-0678	EA	1" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	606.71	99.58
23 05 23 00-0679	EA	1-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	995.99	139.41
23 05 23 00-0680	EA	2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,347.01	176.98
23 05 23 00-0681	EA	2-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,978.10	177.26
23 05 23 00-0682	EA	3" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,178.76	207.82
23 05 23 00-0683	EA	4" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	3,403.10	348.41
23 05 23 00-0684	EA	6" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	6,957.90	410.66
23 05 23 00-0685	EA	8" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	14,684.21	524.73
23 05 23 00-0686		Solenoid Valves *(23 05 23)*		
23 05 23 00-0687		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0686)*		
23 05 23 00-0688	EA	1/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	145.42	13.28
23 05 23 00-0689	EA	1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	168.71	13.28
23 05 23 00-0690	EA	3/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	216.03	14.61
23 05 23 00-0691	EA	1" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	317.83	16.60
23 05 23 00-0692	EA	1-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	559.88	20.44
23 05 23 00-0693	EA	2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	875.41	24.16
23 05 23 00-0694	EA	2-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,192.28	32.64
23 05 23 00-0695	EA	3" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,728.04	37.89
23 05 23 00-0696		Flow Control Valves And Meters *(23 05 23)*		
23 05 23 00-0697		Conditioned Water Balancing Valves *(23 05 23 00-0696)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0698	EA	1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	187.91	67.74
23 05 23 00-0699	EA	3/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	225.73	90.31
23 05 23 00-0700	EA	1" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,432.14	103.20
23 05 23 00-0701	EA	1-1/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,542.83	127.51
23 05 23 00-0702	EA	1-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,651.89	135.48
23 05 23 00-0703	EA	2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,767.56	154.86
23 05 23 00-0704	EA	2-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,138.90	269.56
23 05 23 00-0705	EA	3" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,028.80	308.09
23 05 23 00-0706	EA	3" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,391.48	207.92
23 05 23 00-0707	EA	4" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,697.11	348.57
23 05 23 00-0708	EA	6" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,344.27	440.30
23 05 23 00-0709	EA	8" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,915.04	562.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0710	EA	10" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,180.14	684.91
23 05 23 00-0711		**Read Out Meters** *(23 05 23 00-0696)*		
		Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0712	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0713	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0714	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0715	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0716		**Balancing Valves** *(23 05 23)*		
23 05 23 00-0717		**Balancing Valves With Lever** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0718	EA	1/2" Diameter Threaded, Balancing Valve With Lever	442.04	41.83
23 05 23 00-0719	EA	3/4" Diameter Threaded, Balancing Valve With Lever	478.92	55.12
23 05 23 00-0720	EA	1" Diameter Threaded, Balancing Valve With Lever	665.90	63.09
23 05 23 00-0721	EA	1-1/4" Diameter Threaded, Balancing Valve With Lever	716.77	78.37
23 05 23 00-0722	EA	1-1/2" Diameter Threaded, Balancing Valve With Lever	752.72	83.01
23 05 23 00-0723	EA	2" Diameter Threaded, Balancing Valve With Lever	924.35	94.96
23 05 23 00-0724	EA	2-1/2" Diameter Flanged, Balancing Valve With Lever	1,240.40	177.35
23 05 23 00-0725	EA	3" Diameter Flanged, Balancing Valve With Lever	1,244.69	207.92
23 05 23 00-0726	EA	4" Diameter Flanged, Balancing Valve With Lever	1,555.51	348.57
23 05 23 00-0727	EA	5" Diameter Flanged, Balancing Valve With Lever	4,639.98	396.27
23 05 23 00-0728	EA	6" Diameter Flanged, Balancing Valve With Lever	2,286.33	440.30
23 05 23 00-0729	EA	8" Diameter Flanged, Balancing Valve With Lever	3,024.54	562.60
23 05 23 00-0730		**Balancing Valves With Nut** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0731	EA	4" Diameter Flanged, Balancing Valve With Nut	1,555.51	348.57
23 05 23 00-0732	EA	5" Diameter Flanged, Balancing Valve With Nut	4,639.98	396.27
23 05 23 00-0733	EA	6" Diameter Flanged, Balancing Valve With Nut	2,286.33	440.30
23 05 23 00-0734	EA	8" Diameter Flanged, Balancing Valve With Nut	3,024.54	562.60
23 05 23 00-0735		**Balancing Valves With Hand Wheel** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0736	EA	4" Diameter Flanged, Balancing Valve With Hand Wheel	2,121.07	348.57
23 05 23 00-0737	EA	5" Diameter Flanged, Balancing Valve With Hand Wheel	5,237.87	396.27
23 05 23 00-0738	EA	6" Diameter Flanged, Balancing Valve With Hand Wheel	2,885.46	440.30
23 05 23 00-0739	EA	8" Diameter Flanged, Balancing Valve With Hand Wheel	4,087.31	562.60
23 05 23 00-0740	EA	10" Diameter Flanged, Balancing Valve With Hand Wheel	6,291.78	684.91
23 05 23 00-0741	EA	12" Diameter Flanged, Balancing Valve With Hand Wheel	8,223.83	546.43
23 05 23 00-0742	EA	14" Diameter Flanged, Balancing Valve With Hand Wheel	10,757.01	1,030.28
23 05 23 00-0743		**Balancing Valves With Chain Wheel** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0744	EA	4" Diameter Flanged, Balancing Valve With Chain Wheel	2,445.50	348.57
23 05 23 00-0745	EA	5" Diameter Flanged, Balancing Valve With Chain Wheel	5,557.32	396.27
23 05 23 00-0746	EA	6" Diameter Flanged, Balancing Valve With Chain Wheel	3,203.67	440.30
23 05 23 00-0747	EA	8" Diameter Flanged, Balancing Valve With Chain Wheel	4,478.85	562.60
23 05 23 00-0748	EA	10" Diameter Flanged, Balancing Valve With Chain Wheel	6,672.14	684.91
23 05 23 00-0749	EA	12" Diameter Flanged, Balancing Valve With Chain Wheel	8,933.92	546.05
23 05 23 00-0750	EA	14" Diameter Flanged, Balancing Valve With Chain Wheel	11,399.64	1,030.28
23 05 23 00-0751		**Calibrated Balancing Valves** *(23 05 23 00-0716)*		
		Note: Bell & Gossett CB Series.		
23 05 23 00-0752	EA	1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1/2S)	153.22	13.28
23 05 23 00-0753	EA	3/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-3/4S)	180.51	14.61
23 05 23 00-0754	EA	1" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1S)	204.47	16.60
23 05 23 00-0755	EA	1-1/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/4S)	285.30	17.66
23 05 23 00-0756	EA	1-1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/2S)	334.78	20.45
23 05 23 00-0757	EA	2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-2S)	448.09	24.17
23 05 23 00-0758	EA	1" Diameter Threaded, Calibrated Balancing Valve (CB-1)	234.12	16.60
23 05 23 00-0759	EA	1-1/4" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/4)	318.52	17.66
23 05 23 00-0760	EA	1-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/2)	356.82	20.45
23 05 23 00-0761	EA	2" Diameter Threaded, Calibrated Balancing Valve (CB-2)	479.06	24.17
23 05 23 00-0762	EA	2-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-2-1/2)	675.24	35.46
23 05 23 00-0763	EA	3" Diameter Threaded, Calibrated Balancing Valve (CB-3)	1,169.57	41.17
23 05 23 00-0764	EA	2-1/2" Diameter Flanged, Calibrated Balancing Valve (CB-2-1/2F)	1,107.35	192.59
23 05 23 00-0765	EA	3" Diameter Flanged, Calibrated Balancing Valve (CB-3F)	1,913.78	225.79
23 05 23 00-0766	EA	4" Diameter Flanged, Calibrated Balancing Valve (CB-4F)	2,876.11	378.52
23 05 23 00-0767	EA	5" Diameter Flanged, Calibrated Balancing Valve (CB-5F)	3,959.94	430.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0768	EA	6" Diameter Flanged, Calibrated Balancing Valve (CB-6F)	5,010.17	478.13
23 05 23 00-0769	EA	8" Diameter Flanged, Calibrated Balancing Valve (CB-8F)	7,917.58	610.95
23 05 23 00-0770	EA	10" Diameter Flanged, Calibrated Balancing Valve (CB-10F)	12,970.48	721.20
23 05 23 00-0771	EA	12" Diameter Flanged, Calibrated Balancing Valve (CB-12F)	27,327.86	875.73
23 05 23 00-0772	EA	4" Diameter Grooved, Calibrated Balancing Valve (CB-4G)	3,265.06	45.72
23 05 23 00-0773	EA	5" Diameter Grooved, Calibrated Balancing Valve (CB-5G)	3,786.76	58.18
23 05 23 00-0774	EA	6" Diameter Grooved, Calibrated Balancing Valve (CB-6G)	5,012.10	74.60
23 05 23 00-0775	EA	8" Diameter Grooved, Calibrated Balancing Valve (CB-8G)	9,397.42	94.68
23 05 23 00-0776	EA	10" Diameter Grooved, Calibrated Balancing Valve (CB-10G)	14,995.49	106.08
23 05 23 00-0777	EA	12" Diameter Grooved, Calibrated Balancing Valve (CB-12G)	30,909.38	129.35

23 05 23 00-0778 Butterfly Valves *(23 05 23)*

23 05 23 00-0779 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves *(23 05 23 00-0778)*

Note: With on-off handle

23 05 23 00-0780	EA	2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	537.96	176.98
		For 200 PSI, Add	*152.01*	
		For 175 PSI, Add	*55.42*	
		For Work In Restricted Working Space, Add	*66.38*	
23 05 23 00-0781	EA	2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	557.37	177.26
		For 200 PSI, Add	*160.85*	
		For 175 PSI, Add	*58.64*	
		For Work In Restricted Working Space, Add	*66.68*	
23 05 23 00-0782	EA	3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	620.97	207.82
		For 200 PSI, Add	*173.22*	
		For 175 PSI, Add	*63.15*	
		For Work In Restricted Working Space, Add	*78.03*	
23 05 23 00-0783	EA	4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	889.53	348.41
		For 200 PSI, Add	*217.41*	
		For 175 PSI, Add	*79.26*	
		For Work In Restricted Working Space, Add	*130.98*	
23 05 23 00-0784	EA	5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,159.57	410.66
		For 200 PSI, Add	*309.32*	
		For 175 PSI, Add	*112.77*	
		For Work In Restricted Working Space, Add	*154.55*	
23 05 23 00-0785	EA	6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,358.39	456.29
		For 200 PSI, Add	*378.25*	
		For 175 PSI, Add	*137.91*	
		For Work In Restricted Working Space, Add	*171.11*	
23 05 23 00-0786	EA	8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,837.56	524.73
		For 200 PSI, Add	*569.15*	
		For 175 PSI, Add	*207.50*	
		For Work In Restricted Working Space, Add	*195.55*	
23 05 23 00-0787	EA	10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,096.30	638.80
		For 200 PSI, Add	*1,102.94*	
		For 175 PSI, Add	*402.12*	
		For Work In Restricted Working Space, Add	*239.55*	
23 05 23 00-0788	EA	12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,895.36	775.69
		For 200 PSI, Add	*1,405.19*	
		For 175 PSI, Add	*512.31*	
		For Work In Restricted Working Space, Add	*290.36*	

23 05 23 00-0789 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0778)*

23 05 23 00-0790	EA	2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,090.32	176.98
		For Work In Restricted Working Space, Add	*66.38*	
23 05 23 00-0791	EA	2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,098.67	177.26
		For Work In Restricted Working Space, Add	*66.68*	
23 05 23 00-0792	EA	3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,180.69	207.82
		For Work In Restricted Working Space, Add	*78.03*	
23 05 23 00-0793	EA	4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,475.03	348.41
		For Work In Restricted Working Space, Add	*130.98*	
23 05 23 00-0794	EA	5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,807.67	410.66
		For Work In Restricted Working Space, Add	*154.55*	
23 05 23 00-0795	EA	6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,002.60	456.29
		For Work In Restricted Working Space, Add	*171.11*	
23 05 23 00-0796	EA	8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,507.75	524.73
		For Work In Restricted Working Space, Add	*195.55*	
23 05 23 00-0797	EA	10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	3,195.72	638.80
		For Work In Restricted Working Space, Add	*239.55*	
23 05 23 00-0798	EA	12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	4,451.40	775.69
		For Work In Restricted Working Space, Add	*290.36*	

23 05 23 00-0799 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0778)*

23 05 23 00-0800	EA	14" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	7,565.93	1,010.58
		For 200 PSI, Add	*2,238.66*	
		For 175 PSI, Add	*777.31*	
		For Work In Restricted Working Space, Add	*404.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0801	EA	16" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	9,836.64	1,185.75
		For 200 PSI, Add	*3,007.61*	
		For 175 PSI, Add	*1,044.31*	
		For Work In Restricted Working Space, Add	*444.65*	
23 05 23 00-0802	EA	18" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	14,059.52	1,320.49
		For 200 PSI, Add	*4,468.55*	
		For 175 PSI, Add	*1,551.58*	
		For Work In Restricted Working Space, Add	*494.06*	
23 05 23 00-0803	EA	20" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	18,269.95	1,482.18
		For 200 PSI, Add	*5,910.20*	
		For 175 PSI, Add	*2,052.15*	
		For Work In Restricted Working Space, Add	*555.82*	
23 05 23 00-0804	EA	24" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	24,696.70	1,819.04
		For 200 PSI, Add	*8,069.91*	
		For 175 PSI, Add	*2,802.05*	
		For Work In Restricted Working Space, Add	*684.08*	
23 05 23 00-0805	EA	30" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	51,794.15	2,887.89
		For 200 PSI, Add	*17,322.71*	
		For 175 PSI, Add	*6,014.83*	
		For Work In Restricted Working Space, Add	*1,102.65*	
23 05 23 00-0806	EA	36" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	65,732.33	3,938.02
		For 200 PSI, Add	*22,009.67*	
		For 175 PSI, Add	*7,642.25*	
		For Work In Restricted Working Space, Add	*1,378.31*	
23 05 23 00-0807	EA	42" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	78,423.98	5,775.77
		For 200 PSI, Add	*25,688.06*	
		For 175 PSI, Add	*8,919.47*	
		For Work In Restricted Working Space, Add	*2,120.48*	
23 05 23 00-0808	EA	48" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	94,784.62	7,219.72
		For 200 PSI, Add	*30,814.52*	
		For 175 PSI, Add	*10,699.49*	
		For Work In Restricted Working Space, Add	*2,756.62*	
23 05 23 00-0809	EA	54" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	114,131.93	8,663.66
		For 200 PSI, Add	*36,952.56*	
		For 175 PSI, Add	*12,830.75*	
		For Work In Restricted Working Space, Add	*3,445.78*	

23 05 23 00-0810 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 Lb. *(23 05 23 00-0778)*

Note: (Milwaukee Valve Company BB-SC 100)

23 05 23 00-0811	EA	1" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	549.26	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0812	EA	1-1/4" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	598.19	17.66
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0813	EA	1-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	750.36	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0814	EA	2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	940.98	24.16
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0815	EA	2-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	1,262.79	32.64
		For Work In Restricted Working Space, Add	*48.90*	

23 05 23 00-0816 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 Lb. *(23 05 23 00-0778)*

Note: (Milwaukee Valve Company BB-S02)

23 05 23 00-0817	EA	1" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	828.34	16.60
		For Work In Restricted Working Space, Add	*20.96*	
23 05 23 00-0818	EA	1-1/4" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	895.22	17.66
		For Work In Restricted Working Space, Add	*26.55*	
23 05 23 00-0819	EA	1-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,071.11	20.44
		For Work In Restricted Working Space, Add	*30.64*	
23 05 23 00-0820	EA	2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,282.62	24.16
		For Work In Restricted Working Space, Add	*36.21*	
23 05 23 00-0821	EA	2-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,640.59	32.64
		For Work In Restricted Working Space, Add	*48.90*	

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	23.76	11.00
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0005	EA	3/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	26.21	12.23
		For Work In Restricted Working Space, Add	*7.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0006	EA	1" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	27.56	12.23
		For Work In Restricted Working Space, Add	*7.72*	
23 05 29 00-0007	EA	1-1/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	28.55	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0008	EA	1-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	28.78	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0009	EA	2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	29.95	13.45
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0010	EA	2-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	32.47	13.94
		For Work In Restricted Working Space, Add	*8.39*	
23 05 29 00-0011	EA	3" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	34.43	14.67
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	36.13	16.11
		For Work In Restricted Working Space, Add	*9.21*	
23 05 29 00-0013	EA	4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	39.43	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0014	EA	5" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	50.40	20.48
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0015	EA	6" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	60.57	24.45
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0016	EA	8" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	80.45	30.57
		For Work In Restricted Working Space, Add	*18.34*	
23 05 29 00-0017	EA	10" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	115.95	41.57
		For Work In Restricted Working Space, Add	*24.45*	
23 05 29 00-0018	EA	12" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	135.10	45.84
		For Work In Restricted Working Space, Add	*27.51*	
23 05 29 00-0019	EA	14" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	166.27	51.35
		For Work In Restricted Working Space, Add	*31.54*	
23 05 29 00-0020	EA	16" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	205.25	61.12
		For Work In Restricted Working Space, Add	*36.68*	
23 05 29 00-0021	EA	18" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	255.90	76.41
		For Work In Restricted Working Space, Add	*45.84*	
23 05 29 00-0022	EA	20" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	399.99	91.69
		For Work In Restricted Working Space, Add	*55.01*	
23 05 29 00-0023	EA	24" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	596.58	106.96
		For Work In Restricted Working Space, Add	*64.18*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	28.43	11.00
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0026	EA	3/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.88	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0027	EA	1" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.33	12.23
		For Work In Restricted Working Space, Add	*7.72*	
23 05 29 00-0028	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	33.42	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0029	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.02	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0030	EA	2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.89	13.45
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0031	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	38.50	13.94
		For Work In Restricted Working Space, Add	*8.39*	
23 05 29 00-0032	EA	3" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	40.27	14.67
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0033	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	45.24	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0034	EA	4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	49.18	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0035	EA	5" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	77.89	20.48
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0036	EA	6" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	96.12	24.45
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0037	EA	8" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	115.10	30.57
		For Work In Restricted Working Space, Add	*18.34*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.59	11.00
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0040	EA	3/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.08	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0041	EA	1" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.52	12.23
		For Work In Restricted Working Space, Add	*7.72*	
23 05 29 00-0042	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.29	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0043	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.42	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0044	EA	2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	29.22	13.45
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0045	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	31.51	13.94
		For Work In Restricted Working Space, Add	*8.39*	
23 05 29 00-0046	EA	3" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	32.81	14.67
		For Work In Restricted Working Space, Add	*8.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0047	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	37.01	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0048	EA	4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	37.94	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0049		**Extended Steel Clevis Hanger (Cooper B-Line B3108)** *(23 05 29 00-0002)*		
23 05 29 00-0050	EA	3/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.91	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0051	EA	1" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	33.26	12.23
		For Work In Restricted Working Space, Add	*7.72*	
23 05 29 00-0052	EA	1-1/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	33.99	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0053	EA	1-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.92	13.22
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0054	EA	2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	37.17	13.45
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0055	EA	2-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	39.60	13.94
		For Work In Restricted Working Space, Add	*8.39*	
23 05 29 00-0056	EA	3" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	41.43	14.67
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0057	EA	4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	49.31	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0058	EA	5" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	62.17	20.48
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0059	EA	6" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	76.35	24.45
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0060	EA	8" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	106.35	30.57
		For Work In Restricted Working Space, Add	*18.34*	
23 05 29 00-0061	EA	10" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	148.38	41.57
		For Work In Restricted Working Space, Add	*24.45*	
23 05 29 00-0062	EA	12" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	166.69	45.84
		For Work In Restricted Working Space, Add	*27.51*	
23 05 29 00-0063		**Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)** *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	38.27	13.45
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0065	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	40.63	13.94
		For Work In Restricted Working Space, Add	*8.39*	
23 05 29 00-0066	EA	3" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	42.59	14.67
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0067	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	47.32	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0068	EA	4" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	49.64	17.12
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0069	EA	5" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	61.74	20.48
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0070	EA	6" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	72.31	24.45
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0071	EA	8" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	95.14	30.57
		For Work In Restricted Working Space, Add	*18.34*	
23 05 29 00-0072		**Adjustable Hangers** *(23 05 29 00-0001)*		
23 05 29 00-0073		**Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)** *(23 05 29 00-0072)*		
		Note: Type 5.		
23 05 29 00-0074	EA	1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.54	9.65
		For Work In Restricted Working Space, Add	*5.79*	
23 05 29 00-0075	EA	3/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.66	10.70
		For Work In Restricted Working Space, Add	*6.42*	
23 05 29 00-0076	EA	1" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.02	11.90
		For Work In Restricted Working Space, Add	*7.14*	
23 05 29 00-0077	EA	1-1/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.75	13.21
		For Work In Restricted Working Space, Add	*7.93*	
23 05 29 00-0078	EA	1-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	30.21	13.87
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0079	EA	2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	32.22	14.54
		For Work In Restricted Working Space, Add	*8.72*	
23 05 29 00-0080	EA	2-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	36.43	15.20
		For Work In Restricted Working Space, Add	*9.12*	
23 05 29 00-0081	EA	3" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	38.06	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0082	EA	4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	44.91	17.84
		For Work In Restricted Working Space, Add	*10.71*	
23 05 29 00-0083		**Adjustable Swivel Steel Ring (Cooper B-Line B3170)** *(23 05 29 00-0072)*		
		Note: Type 10.		
23 05 29 00-0084	EA	1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.48	12.23
		For Work In Restricted Working Space, Add	*7.34*	
		For 304 Stainless Steel, Add	*5.25*	
		For 316 Stainless Steel, Add	*6.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0085	EA	3/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.86	12.23
		For Work In Restricted Working Space, Add	*7.72*	
		For 304 Stainless Steel, Add	*5.76*	
		For 316 Stainless Steel, Add	*7.06*	
23 05 29 00-0086	EA	1" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.29	13.45
		For Work In Restricted Working Space, Add	*8.15*	
		For 304 Stainless Steel, Add	*5.76*	
		For 316 Stainless Steel, Add	*7.06*	
23 05 29 00-0087	EA	1-1/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	30.02	14.67
		For Work In Restricted Working Space, Add	*8.63*	
		For 304 Stainless Steel, Add	*6.43*	
		For 316 Stainless Steel, Add	*7.88*	
23 05 29 00-0088	EA	1-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.86	17.12
		For Work In Restricted Working Space, Add	*9.78*	
		For 304 Stainless Steel, Add	*6.43*	
		For 316 Stainless Steel, Add	*7.88*	
23 05 29 00-0089	EA	2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	36.25	17.12
		For Work In Restricted Working Space, Add	*10.48*	
		For 304 Stainless Steel, Add	*6.78*	
		For 316 Stainless Steel, Add	*8.31*	
23 05 29 00-0090	EA	2-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	39.77	18.34
		For Work In Restricted Working Space, Add	*11.28*	
		For 304 Stainless Steel, Add	*11.02*	
		For 316 Stainless Steel, Add	*13.50*	
23 05 29 00-0091	EA	3" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	43.00	20.78
		For Work In Restricted Working Space, Add	*12.23*	
		For 304 Stainless Steel, Add	*11.48*	
		For 316 Stainless Steel, Add	*14.06*	
23 05 29 00-0092	EA	3-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	47.65	22.31
		For Work In Restricted Working Space, Add	*13.39*	
		For 304 Stainless Steel, Add	*15.40*	
		For 316 Stainless Steel, Add	*18.88*	
23 05 29 00-0093	EA	4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	51.92	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For 304 Stainless Steel, Add	*15.40*	
		For 316 Stainless Steel, Add	*18.88*	
23 05 29 00-0094	EA	5" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	61.28	27.51
		For Work In Restricted Working Space, Add	*16.50*	
		For 304 Stainless Steel, Add	*31.98*	
		For 316 Stainless Steel, Add	*39.19*	
23 05 29 00-0095	EA	6" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	67.49	30.57
		For Work In Restricted Working Space, Add	*18.34*	
		For 304 Stainless Steel, Add	*32.49*	
		For 316 Stainless Steel, Add	*39.81*	
23 05 29 00-0096	EA	8" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	80.91	36.67
		For Work In Restricted Working Space, Add	*22.01*	
		For 304 Stainless Steel, Add	*38.56*	
		For 316 Stainless Steel, Add	*47.25*	
23 05 29 00-0097		Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0072)*		
23 05 29 00-0098	EA	1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.19	12.23
		For Work In Restricted Working Space, Add	*7.34*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0099	EA	3/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	29.47	12.23
		For Work In Restricted Working Space, Add	*7.72*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0100	EA	1" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	30.90	13.45
		For Work In Restricted Working Space, Add	*8.15*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0101	EA	1-1/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.50	14.67
		For Work In Restricted Working Space, Add	*8.63*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0102	EA	1-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	36.65	17.12
		For Work In Restricted Working Space, Add	*9.78*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0103	EA	2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	38.97	17.12
		For Work In Restricted Working Space, Add	*10.48*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0104	EA	2-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	48.24	18.34
		For Work In Restricted Working Space, Add	*11.28*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*66.44*	
23 05 29 00-0105	EA	3" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	53.92	20.78
		For Work In Restricted Working Space, Add	*12.23*	
		For 304 Stainless Steel, Add	*67.17*	
		For 316 Stainless Steel, Add	*82.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0106	EA	3-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	58.84	22.31
		For Work In Restricted Working Space, Add	*13.39*	
		For 304 Stainless Steel, Add	*72.47*	
		For 316 Stainless Steel, Add	*88.81*	
23 05 29 00-0107	EA	4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	66.20	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For 304 Stainless Steel, Add	*88.23*	
		For 316 Stainless Steel, Add	*108.13*	
23 05 29 00-0108	EA	5" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	72.55	27.51
		For Work In Restricted Working Space, Add	*16.50*	
		For 304 Stainless Steel, Add	*89.45*	
		For 316 Stainless Steel, Add	*109.63*	
23 05 29 00-0109	EA	6" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	86.51	30.57
		For Work In Restricted Working Space, Add	*18.34*	
		For 304 Stainless Steel, Add	*129.49*	
		For 316 Stainless Steel, Add	*158.69*	

23 05 29 00-0110 Roller Hangers *(23 05 29 00-0001)*

23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0112	EA	2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	34.19	9.79
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0113	EA	2-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	37.73	11.01
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0114	EA	3" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	42.27	12.84
		For Work In Restricted Working Space, Add	*7.71*	
23 05 29 00-0115	EA	3-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	48.58	14.68
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0116	EA	4" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	65.43	16.51
		For Work In Restricted Working Space, Add	*9.91*	
23 05 29 00-0117	EA	5" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	60.03	18.35
		For Work In Restricted Working Space, Add	*11.01*	
23 05 29 00-0118	EA	6" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	74.34	22.01
		For Work In Restricted Working Space, Add	*13.21*	
23 05 29 00-0119	EA	8" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	98.39	25.69
		For Work In Restricted Working Space, Add	*15.41*	
23 05 29 00-0120	EA	10" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	116.69	30.58
		For Work In Restricted Working Space, Add	*18.35*	

23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)*

Note: Type 43.

23 05 29 00-0122	EA	2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	51.87	17.27
		For Work In Restricted Working Space, Add	*9.96*	
		For 304 Stainless Steel, Add	*95.22*	
		For 316 Stainless Steel, Add	*116.69*	
23 05 29 00-0123	EA	2-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	54.27	17.79
		For Work In Restricted Working Space, Add	*10.68*	
		For 304 Stainless Steel, Add	*95.22*	
		For 316 Stainless Steel, Add	*116.69*	
23 05 29 00-0124	EA	3" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	58.77	18.60
		For Work In Restricted Working Space, Add	*11.39*	
		For 304 Stainless Steel, Add	*106.18*	
		For 316 Stainless Steel, Add	*130.13*	
23 05 29 00-0125	EA	3-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	67.56	19.93
		For Work In Restricted Working Space, Add	*11.95*	
		For 304 Stainless Steel, Add	*141.37*	
		For 316 Stainless Steel, Add	*173.25*	
23 05 29 00-0126	EA	4" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	71.99	22.58
		For Work In Restricted Working Space, Add	*13.28*	
		For 304 Stainless Steel, Add	*141.37*	
		For 316 Stainless Steel, Add	*173.25*	
23 05 29 00-0127	EA	5" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	80.97	24.30
		For Work In Restricted Working Space, Add	*14.58*	
		For 304 Stainless Steel, Add	*165.04*	
		For 316 Stainless Steel, Add	*202.25*	
23 05 29 00-0128	EA	6" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	93.32	26.57
		For Work In Restricted Working Space, Add	*15.94*	
		For 304 Stainless Steel, Add	*204.97*	
		For 316 Stainless Steel, Add	*251.19*	
23 05 29 00-0129	EA	8" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	126.56	33.20
		For Work In Restricted Working Space, Add	*19.92*	
		For 304 Stainless Steel, Add	*306.77*	
		For 316 Stainless Steel, Add	*375.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0130	EA	10" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	160.20	45.16
		For Work In Restricted Working Space, Add	*26.56*	
		For 304 Stainless Steel, Add	*365.47*	
		For 316 Stainless Steel, Add	*447.88*	
23 05 29 00-0131	EA	12" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	204.95	49.81
		For Work In Restricted Working Space, Add	*29.88*	
		For 304 Stainless Steel, Add	*537.23*	
		For 316 Stainless Steel, Add	*658.38*	
23 05 29 00-0132	EA	14" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	406.14	57.11
		For Work In Restricted Working Space, Add	*34.27*	
		For 304 Stainless Steel, Add	*1,488.79*	
		For 316 Stainless Steel, Add	*1,824.50*	
23 05 29 00-0133	EA	16" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	507.54	66.41
		For Work In Restricted Working Space, Add	*39.85*	
		For 304 Stainless Steel, Add	*1,911.07*	
		For 316 Stainless Steel, Add	*2,342.00*	
23 05 29 00-0134		**Roller Chair (Cooper B-Line B3120)** *(23 05 29 00-0110)*		
23 05 29 00-0135	EA	2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	50.64	17.27
		For Work In Restricted Working Space, Add	*9.96*	
23 05 29 00-0136	EA	2-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	54.54	17.79
		For Work In Restricted Working Space, Add	*10.68*	
23 05 29 00-0137	EA	3" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	57.31	18.60
		For Work In Restricted Working Space, Add	*11.39*	
23 05 29 00-0138	EA	3-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	64.51	19.93
		For Work In Restricted Working Space, Add	*11.95*	
23 05 29 00-0139	EA	4" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	71.86	22.58
		For Work In Restricted Working Space, Add	*13.28*	
23 05 29 00-0140	EA	5" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	78.58	24.30
		For Work In Restricted Working Space, Add	*14.58*	
23 05 29 00-0141	EA	6" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	94.88	26.57
		For Work In Restricted Working Space, Add	*15.94*	
23 05 29 00-0142	EA	8" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	122.84	33.20
		For Work In Restricted Working Space, Add	*19.92*	
23 05 29 00-0143	EA	10" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	159.33	45.16
		For Work In Restricted Working Space, Add	*26.56*	
23 05 29 00-0144	EA	12" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	202.70	49.81
		For Work In Restricted Working Space, Add	*29.88*	
23 05 29 00-0145	EA	14" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	222.35	57.11
		For Work In Restricted Working Space, Add	*34.27*	
23 05 29 00-0146	EA	16" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	267.04	66.41
		For Work In Restricted Working Space, Add	*39.85*	
23 05 29 00-0147	EA	18" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	357.14	83.01
		For Work In Restricted Working Space, Add	*49.81*	
23 05 29 00-0148	EA	20" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	440.58	99.61
		For Work In Restricted Working Space, Add	*59.77*	
23 05 29 00-0149		**Adjustable Roller Support (Cooper B-Line B3122)** *(23 05 29 00-0110)*		
23 05 29 00-0150	EA	2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	56.38	17.27
		For Work In Restricted Working Space, Add	*9.96*	
23 05 29 00-0151	EA	2-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	63.02	17.79
		For Work In Restricted Working Space, Add	*10.68*	
23 05 29 00-0152	EA	3" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	66.37	18.60
		For Work In Restricted Working Space, Add	*11.39*	
23 05 29 00-0153	EA	3-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	70.05	19.93
		For Work In Restricted Working Space, Add	*11.95*	
23 05 29 00-0154	EA	4" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	83.46	22.58
		For Work In Restricted Working Space, Add	*13.28*	
23 05 29 00-0155	EA	5" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	94.30	24.30
		For Work In Restricted Working Space, Add	*14.58*	
23 05 29 00-0156	EA	6" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	109.07	26.57
		For Work In Restricted Working Space, Add	*15.94*	
23 05 29 00-0157	EA	8" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	152.06	33.20
		For Work In Restricted Working Space, Add	*19.92*	
23 05 29 00-0158	EA	10" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	190.83	45.16
		For Work In Restricted Working Space, Add	*26.56*	
23 05 29 00-0159	EA	12" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	220.14	49.81
		For Work In Restricted Working Space, Add	*29.88*	
23 05 29 00-0160	EA	14" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	305.84	57.11
		For Work In Restricted Working Space, Add	*34.27*	
23 05 29 00-0161	EA	16" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	365.79	66.41
		For Work In Restricted Working Space, Add	*39.85*	
23 05 29 00-0162	EA	18" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	418.59	83.01
		For Work In Restricted Working Space, Add	*49.81*	
23 05 29 00-0163		**Adjustable Double Roller Support (Cooper B-Line B3122A)** *(23 05 29 00-0110)*		
23 05 29 00-0164	EA	2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	56.71	17.27
		For Work In Restricted Working Space, Add	*9.96*	
23 05 29 00-0165	EA	2-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	63.32	17.79
		For Work In Restricted Working Space, Add	*10.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0166	EA	3" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	66.86	18.60
		For Work In Restricted Working Space, Add	*11.39*	
23 05 29 00-0167	EA	3-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	69.62	19.93
		For Work In Restricted Working Space, Add	*11.95*	
23 05 29 00-0168	EA	4" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	86.81	22.58
		For Work In Restricted Working Space, Add	*13.28*	
23 05 29 00-0169	EA	5" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	98.25	24.30
		For Work In Restricted Working Space, Add	*14.58*	
23 05 29 00-0170	EA	6" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	113.78	26.57
		For Work In Restricted Working Space, Add	*15.94*	
23 05 29 00-0171	EA	8" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	159.35	33.20
		For Work In Restricted Working Space, Add	*19.92*	
23 05 29 00-0172	EA	10" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	199.59	45.16
		For Work In Restricted Working Space, Add	*26.56*	
23 05 29 00-0173	EA	12" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	230.38	49.81
		For Work In Restricted Working Space, Add	*29.88*	
23 05 29 00-0174	EA	14" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	322.22	57.11
		For Work In Restricted Working Space, Add	*34.27*	

23 05 29 00-0175 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0175)*

Note: Type 4.

23 05 29 00-0177	EA	1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	20.21	7.93
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-0178	EA	3/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	20.47	8.06
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0179	EA	1" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	20.76	8.19
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0180	EA	1-1/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	22.35	8.32
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0181	EA	1-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	22.61	8.46
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0182	EA	2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	23.88	8.59
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0183	EA	2-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	24.81	8.85
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0184	EA	3" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	26.17	9.11
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0185	EA	3-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	29.71	9.26
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0186	EA	4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	35.00	11.90
		For Work In Restricted Working Space, Add	*7.14*	
23 05 29 00-0187	EA	5" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	49.63	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0188	EA	6" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	67.09	19.83
		For Work In Restricted Working Space, Add	*11.89*	
23 05 29 00-0189	EA	8" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	78.89	23.13
		For Work In Restricted Working Space, Add	*13.88*	
23 05 29 00-0190	EA	10" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	111.68	26.43
		For Work In Restricted Working Space, Add	*15.86*	
23 05 29 00-0191	EA	12" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	149.13	29.07
		For Work In Restricted Working Space, Add	*17.45*	
23 05 29 00-0192	EA	14" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	234.19	31.72
		For Work In Restricted Working Space, Add	*19.03*	
23 05 29 00-0193	EA	16" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	253.84	34.36
		For Work In Restricted Working Space, Add	*20.62*	
23 05 29 00-0194	EA	18" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	403.79	37.00
		For Work In Restricted Working Space, Add	*22.20*	
23 05 29 00-0195	EA	20" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	465.51	39.64
		For Work In Restricted Working Space, Add	*23.79*	
23 05 29 00-0196	EA	24" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	603.03	43.61
		For Work In Restricted Working Space, Add	*26.17*	

23 05 29 00-0197 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

23 05 29 00-0198	EA	3" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	37.84	8.55
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0199	EA	4" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	48.55	8.55
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0200	EA	5" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	53.09	8.86
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0201	EA	6" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	82.64	9.17
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0202	EA	8" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	89.80	9.78
		For Work In Restricted Working Space, Add	*5.86*	
23 05 29 00-0203	EA	10" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	150.74	9.78
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0204	EA	12" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	241.85	11.00
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0205	EA	14" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	306.09	12.23
		For Work In Restricted Working Space, Add	*7.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0206	EA	16" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	333.43	14.67
		For Work In Restricted Working Space, Add	*8.80*	
23 05 29 00-0207	EA	18" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,024.36	17.12
		For Work In Restricted Working Space, Add	*10.27*	
23 05 29 00-0208	EA	20" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,176.87	18.34
		For Work In Restricted Working Space, Add	*11.00*	
23 05 29 00-0209	EA	24" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,505.73	19.56
		For Work In Restricted Working Space, Add	*11.74*	

23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

23 05 29 00-0211	EA	1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	20.11	7.34
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0212	EA	3/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	20.86	7.46
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0213	EA	1" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	21.16	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0214	EA	1-1/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	22.66	7.70
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-0215	EA	1-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.48	7.82
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0216	EA	2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	24.02	7.95
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0217	EA	2-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	25.00	8.19
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0218	EA	3" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	26.39	8.43
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0219	EA	3-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	28.69	8.55
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0220	EA	4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	35.10	11.00
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0221	EA	5" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	45.59	14.67
		For Work In Restricted Working Space, Add	*8.80*	
23 05 29 00-0222	EA	6" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	57.69	18.34
		For Work In Restricted Working Space, Add	*11.00*	
23 05 29 00-0223	EA	8" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	77.20	21.40
		For Work In Restricted Working Space, Add	*12.83*	
23 05 29 00-0224	EA	10" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	99.83	24.45
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0225	EA	12" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	119.58	26.89
		For Work In Restricted Working Space, Add	*16.14*	
23 05 29 00-0226	EA	14" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	157.66	29.34
		For Work In Restricted Working Space, Add	*17.60*	
23 05 29 00-0227	EA	16" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	289.51	31.78
		For Work In Restricted Working Space, Add	*19.07*	

23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*

23 05 29 00-0229	EA	1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.04	7.34
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0230	EA	3/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.55	7.46
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0231	EA	1" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.86	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0232	EA	1-1/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.09	7.70
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-0233	EA	1-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	41.51	7.82
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0234	EA	2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	43.94	7.95
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0235	EA	2-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	47.39	8.19
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0236	EA	3" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	51.82	8.43
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0237	EA	4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	69.98	11.00
		For Work In Restricted Working Space, Add	*6.60*	

23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0175)*

Note: Type 42

23 05 29 00-0239	EA	4" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	70.90	8.55
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0240	EA	6" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	75.35	9.17
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0241	EA	8" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	82.59	9.78
		For Work In Restricted Working Space, Add	*5.86*	
23 05 29 00-0242	EA	10" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	87.87	9.78
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0243	EA	12" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	105.96	11.00
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0244	EA	14" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	319.68	12.23
		For Work In Restricted Working Space, Add	*7.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0245	EA	16" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	427.53	14.67
		For Work In Restricted Working Space, Add	*8.80*	
23 05 29 00-0246	EA	18" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	509.28	17.12
		For Work In Restricted Working Space, Add	*10.27*	
23 05 29 00-0247	EA	20" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	739.07	18.34
		For Work In Restricted Working Space, Add	*11.00*	
23 05 29 00-0248	EA	24" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,016.19	19.56
		For Work In Restricted Working Space, Add	*11.74*	
23 05 29 00-0249		Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0175)*		
23 05 29 00-0250	EA	4" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	65.72	8.55
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0251	EA	6" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	70.91	9.17
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0252	EA	8" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	121.20	9.78
		For Work In Restricted Working Space, Add	*5.86*	
23 05 29 00-0253	EA	10" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	134.29	9.78
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0254	EA	12" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	191.55	11.00
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0255	EA	14" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	291.74	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0256	EA	16" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	390.60	14.67
		For Work In Restricted Working Space, Add	*8.80*	
23 05 29 00-0257	EA	18" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	464.75	17.12
		For Work In Restricted Working Space, Add	*10.27*	
23 05 29 00-0258	EA	20" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	676.52	18.34
		For Work In Restricted Working Space, Add	*11.00*	
23 05 29 00-0259	EA	24" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	923.61	19.56
		For Work In Restricted Working Space, Add	*11.74*	
23 05 29 00-0260		Split Pipe Clamps And Rings *(23 05 29 00-0001)*		
23 05 29 00-0261		Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0260)*		
		Note: Type 6.		
23 05 29 00-0262	EA	3/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	32.92	11.23
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0263	EA	1" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	34.86	11.90
		For Work In Restricted Working Space, Add	*7.14*	
23 05 29 00-0264	EA	1-1/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	38.04	13.21
		For Work In Restricted Working Space, Add	*7.93*	
23 05 29 00-0265	EA	1-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	40.82	13.87
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0266	EA	2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	43.89	14.54
		For Work In Restricted Working Space, Add	*8.72*	
23 05 29 00-0267	EA	2-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	52.98	15.20
		For Work In Restricted Working Space, Add	*9.12*	
23 05 29 00-0268	EA	3" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	57.78	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0269	EA	4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	75.44	17.84
		For Work In Restricted Working Space, Add	*10.70*	
23 05 29 00-0270	EA	5" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	95.83	22.47
		For Work In Restricted Working Space, Add	*13.48*	
23 05 29 00-0271	EA	6" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	126.54	26.43
		For Work In Restricted Working Space, Add	*15.86*	
23 05 29 00-0272		Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0260)*		
		Note: Type 11.		
23 05 29 00-0273	EA	1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	22.34	9.30
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0274	EA	3/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	23.53	9.30
		For Work In Restricted Working Space, Add	*5.95*	
23 05 29 00-0275	EA	1" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	25.98	11.95
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0276	EA	1-1/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	28.06	11.95
		For Work In Restricted Working Space, Add	*6.99*	
23 05 29 00-0277	EA	1-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	30.94	11.95
		For Work In Restricted Working Space, Add	*7.24*	
23 05 29 00-0278	EA	2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	35.81	13.28
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0279	EA	2-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	46.14	13.28
		For Work In Restricted Working Space, Add	*8.30*	
23 05 29 00-0280	EA	3" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	50.88	14.61
		For Work In Restricted Working Space, Add	*8.66*	
23 05 29 00-0281	EA	4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	54.36	15.94
		For Work In Restricted Working Space, Add	*9.48*	
23 05 29 00-0282		Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*		
		Note: Type 12.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0283	EA	1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	22.34	9.30
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0284	EA	3/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.53	9.96
		For Work In Restricted Working Space, Add	*5.95*	
23 05 29 00-0285	EA	1" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	25.98	11.29
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0286	EA	1-1/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	28.06	11.95
		For Work In Restricted Working Space, Add	*6.99*	
23 05 29 00-0287	EA	1-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	30.94	11.95
		For Work In Restricted Working Space, Add	*7.24*	
23 05 29 00-0288	EA	2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	35.81	13.28
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0289	EA	2-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	46.14	13.94
		For Work In Restricted Working Space, Add	*8.30*	
23 05 29 00-0290	EA	3" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	50.88	14.61
		For Work In Restricted Working Space, Add	*8.66*	
23 05 29 00-0291		Pipe Straps *(23 05 29 00-0001)*		
23 05 29 00-0292		Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0291)*		
23 05 29 00-0293	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.28	6.64
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0294	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.97	7.97
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0295	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.75	7.97
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0296	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.72	7.97
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0297	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.76	9.30
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0298	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	21.27	9.30
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0299	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	25.39	9.30
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0300	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	31.67	9.30
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0301	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	37.45	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0302	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	45.24	13.28
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0303	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	55.51	14.61
		For Work In Restricted Working Space, Add	*8.76*	
23 05 29 00-0304		Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0291)*		
23 05 29 00-0305	EA	1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.31	
		For Work In Restricted Working Space, Add	*1.99*	
23 05 29 00-0306	EA	3/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.76	
		For Work In Restricted Working Space, Add	*2.09*	
23 05 29 00-0307	EA	1" Diameter Size, Two Hole Copper-Clad Pipe Strap	8.68	
		For Work In Restricted Working Space, Add	*2.19*	
23 05 29 00-0308	EA	1-1/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	9.63	
		For Work In Restricted Working Space, Add	*2.29*	
23 05 29 00-0309	EA	1-1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	10.34	
		For Work In Restricted Working Space, Add	*2.39*	
23 05 29 00-0310	EA	2" Diameter Size, Two Hole Copper-Clad Pipe Strap	11.22	
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0311		One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0291)*		
23 05 29 00-0312	EA	1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.10	
		For Work In Restricted Working Space, Add	*0.66*	
23 05 29 00-0313	EA	3/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.63	
		For Work In Restricted Working Space, Add	*0.71*	
23 05 29 00-0314	EA	1" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.91	
		For Work In Restricted Working Space, Add	*0.77*	
23 05 29 00-0315	EA	1-1/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.21	
		For Work In Restricted Working Space, Add	*0.83*	
23 05 29 00-0316	EA	1-1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.53	
		For Work In Restricted Working Space, Add	*0.91*	
23 05 29 00-0317	EA	2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	5.04	
		For Work In Restricted Working Space, Add	*1.00*	
23 05 29 00-0318		Pipe and Equipment Support Brackets *(23 05 29 00-0001)*		
23 05 29 00-0319		Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0318)*		
		Note: Up to 750# load.		
23 05 29 00-0320	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	118.97	14.67
		For Galvanized, Add	*17.93*	
		For Work In Restricted Working Space, Add	*8.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0321	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	120.61	14.67
		For Galvanized, Add	*18.25*	
		For Work In Restricted Working Space, Add	*8.80*	
23 05 29 00-0322	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	127.09	14.67
		For Galvanized, Add	*19.55*	
		For Work In Restricted Working Space, Add	*8.80*	

23 05 29 00-0323 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0318)*

Note: Up to 1500# load.

23 05 29 00-0324	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	277.35	14.67
		For Galvanized, Add	*49.60*	
		For Work In Restricted Working Space, Add	*8.80*	
23 05 29 00-0325	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	323.98	14.67
		For Galvanized, Add	*58.93*	
		For Work In Restricted Working Space, Add	*8.80*	
23 05 29 00-0326	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	419.05	14.67
		For Galvanized, Add	*77.94*	
		For Work In Restricted Working Space, Add	*8.80*	

23 05 29 00-0327 Pipe Alignment Guide *(23 05 29 00-0001)*

23 05 29 00-0328 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0327)*

23 05 29 00-0329	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	459.26	23.23
23 05 29 00-0330	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	460.47	23.84
23 05 29 00-0331	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	461.70	24.45
23 05 29 00-0332	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	462.92	25.06
23 05 29 00-0333	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	504.36	25.67
23 05 29 00-0334	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	515.49	28.12
23 05 29 00-0335	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	517.33	29.04
23 05 29 00-0336	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	519.16	29.95
23 05 29 00-0337	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	549.51	31.78
23 05 29 00-0338	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	642.34	40.34
23 05 29 00-0339	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	659.45	48.90
23 05 29 00-0340	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	746.05	61.12
23 05 29 00-0341	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,360.98	73.35
23 05 29 00-0342	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,064.86	97.80
23 05 29 00-0343	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,541.81	122.25
23 05 29 00-0344	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,053.64	136.92
23 05 29 00-0345	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,296.00	152.81
23 05 29 00-0346	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,508.65	174.82
23 05 29 00-0347	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,403.62	183.37

23 05 29 00-0348 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0327)*

23 05 29 00-0349	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	460.47	23.84
23 05 29 00-0350	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	501.91	24.45
23 05 29 00-0351	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	503.13	25.06
23 05 29 00-0352	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	504.36	25.67
23 05 29 00-0353	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	505.58	26.29
23 05 29 00-0354	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	516.72	28.72
23 05 29 00-0355	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	518.55	29.65
23 05 29 00-0356	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	547.06	30.57
23 05 29 00-0357	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	550.73	32.40
23 05 29 00-0358	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	644.17	41.25
23 05 29 00-0359	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	661.89	50.12
23 05 29 00-0360	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	749.10	62.65
23 05 29 00-0361	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,364.64	75.18
23 05 29 00-0362	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,069.74	100.24
23 05 29 00-0363	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,547.93	125.30
23 05 29 00-0364	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,060.98	140.59
23 05 29 00-0365	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,303.33	156.48
23 05 29 00-0366	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,517.21	179.10
23 05 29 00-0367	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,412.79	187.95

23 05 29 00-0368 Pipe Alignment Guide, 2" Insulation *(23 05 29 00-0327)*

23 05 29 00-0369	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	501.91	24.45
23 05 29 00-0370	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	509.38	25.06
23 05 29 00-0371	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	510.61	25.67
23 05 29 00-0372	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	511.83	26.29
23 05 29 00-0373	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	513.05	26.89
23 05 29 00-0374	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	544.62	29.34
23 05 29 00-0375	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	547.06	30.57
23 05 29 00-0376	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	548.59	31.33
23 05 29 00-0377	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	627.66	33.01
23 05 29 00-0378	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	646.00	42.18
23 05 29 00-0379	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	726.49	51.35
23 05 29 00-0380	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	821.00	64.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0381	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,368.31	77.01
23 05 29 00-0382	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,074.63	102.69
23 05 29 00-0383	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,554.04	128.36
23 05 29 00-0384	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,068.04	144.11
23 05 29 00-0385	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,311.28	160.45
23 05 29 00-0386	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,525.76	183.37
23 05 29 00-0387	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,421.96	192.54
23 05 29 00-0388		**Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0389	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	509.38	25.06
23 05 29 00-0390	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	537.29	25.67
23 05 29 00-0391	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	538.51	26.29
23 05 29 00-0392	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	539.73	26.89
23 05 29 00-0393	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	540.95	27.51
23 05 29 00-0394	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	545.84	29.95
23 05 29 00-0395	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	548.59	31.33
23 05 29 00-0396	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	625.83	32.09
23 05 29 00-0397	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	628.89	33.62
23 05 29 00-0398	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	709.38	42.78
23 05 29 00-0399	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	728.93	52.57
23 05 29 00-0400	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,345.70	65.71
23 05 29 00-0401	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,026.96	78.85
23 05 29 00-0402	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,507.58	105.13
23 05 29 00-0403	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,560.58	131.42
23 05 29 00-0404	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,075.65	147.92
23 05 29 00-0405	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,319.22	164.42
23 05 29 00-0406	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,534.93	187.95
23 05 29 00-0407	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,431.74	197.43
23 05 29 00-0408		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0409	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	537.29	25.67
23 05 29 00-0410	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	538.51	26.29
23 05 29 00-0411	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	539.73	26.89
23 05 29 00-0412	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	540.95	27.51
23 05 29 00-0413	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	542.17	28.12
23 05 29 00-0414	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	622.77	30.57
23 05 29 00-0415	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	625.83	32.09
23 05 29 00-0416	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	627.66	33.01
23 05 29 00-0417	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	692.75	34.47
23 05 29 00-0418	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	711.82	44.01
23 05 29 00-0419	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	800.22	53.79
23 05 29 00-0420	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,348.75	67.24
23 05 29 00-0421	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,030.63	80.69
23 05 29 00-0422	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,512.48	107.58
23 05 29 00-0423	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,566.70	134.47
23 05 29 00-0424	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,082.99	151.59
23 05 29 00-0425	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,326.56	168.09
23 05 29 00-0426	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,544.10	192.54
23 05 29 00-0427	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,441.52	202.32
23 05 29 00-0428		**Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0429	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	538.51	26.29
23 05 29 00-0430	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	615.44	26.89
23 05 29 00-0431	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	616.66	27.51
23 05 29 00-0432	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	617.88	28.12
23 05 29 00-0433	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	619.11	28.72
23 05 29 00-0434	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	624.30	31.33
23 05 29 00-0435	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	627.42	32.88
23 05 29 00-0436	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	691.46	33.84
23 05 29 00-0437	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	694.70	35.46
23 05 29 00-0438	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	783.10	45.23
23 05 29 00-0439	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,324.30	55.01
23 05 29 00-0440	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,006.79	68.76
23 05 29 00-0441	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,463.15	82.70
23 05 29 00-0442	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,999.86	110.02
23 05 29 00-0443	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,055.48	137.83
23 05 29 00-0444	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,310.82	155.25
23 05 29 00-0445	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,503.75	172.37
23 05 29 00-0446	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,430.52	196.82
23 05 29 00-0447		**Pipe Alignment Guide, 4" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0448	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	615.44	26.89
23 05 29 00-0449	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	616.66	27.51
23 05 29 00-0450	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	617.88	28.12
23 05 29 00-0451	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	619.11	28.72
23 05 29 00-0452	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	620.33	29.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0453	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	687.98	32.09
23 05 29 00-0454	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	691.04	33.62
23 05 29 00-0455	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	693.11	34.66
23 05 29 00-0456	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	765.38	36.37
23 05 29 00-0457	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,307.18	46.46
23 05 29 00-0458	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,326.75	56.23
23 05 29 00-0459	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,009.85	70.29
23 05 29 00-0460	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,467.68	84.96
23 05 29 00-0461	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,005.36	112.77
23 05 29 00-0462	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,271.55	140.59
23 05 29 00-0463	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,476.86	158.93
23 05 29 00-0464	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,391.40	177.26

23 05 29 00-0465 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

23 05 29 00-0466	EA	1-1/2" Diameter Size, Sway Bracing	158.97	16.13
		For Work In Restricted Working Space, Add	*9.65*	
23 05 29 00-0467	EA	2" Diameter Size, Sway Bracing	163.78	16.99
		For Work In Restricted Working Space, Add	*10.19*	
23 05 29 00-0468	EA	3" Diameter Size, Sway Bracing	169.63	17.97
		For Work In Restricted Working Space, Add	*10.79*	
23 05 29 00-0469	EA	4" Diameter Size, Sway Bracing	192.54	20.41
		For Work In Restricted Working Space, Add	*12.23*	
23 05 29 00-0470	EA	6" Diameter Size, Sway Bracing	282.47	30.57
		For Work In Restricted Working Space, Add	*18.34*	
23 05 29 00-0471	EA	8" Diameter Size, Sway Bracing	312.79	38.14
		For Work In Restricted Working Space, Add	*22.92*	
23 05 29 00-0472	EA	10" Diameter Size, Sway Bracing	352.39	50.98
		For Work In Restricted Working Space, Add	*30.56*	

23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0474	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	370.75	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	378.81	13.45
		For Work In Restricted Working Space, Add	*8.07*	
23 05 29 00-0476	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	738.51	15.28
		For Work In Restricted Working Space, Add	*9.17*	
23 05 29 00-0477	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	908.61	17.12
		For Work In Restricted Working Space, Add	*10.27*	
23 05 29 00-0478	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	919.98	18.95
		For Work In Restricted Working Space, Add	*11.37*	
23 05 29 00-0479	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,009.62	21.40
		For Work In Restricted Working Space, Add	*12.83*	
23 05 29 00-0480	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,207.39	23.23
		For Work In Restricted Working Space, Add	*13.94*	
23 05 29 00-0481	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,221.21	25.06
		For Work In Restricted Working Space, Add	*15.04*	
23 05 29 00-0482	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,238.89	27.51
		For Work In Restricted Working Space, Add	*16.50*	
23 05 29 00-0483	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,288.93	29.95
		For Work In Restricted Working Space, Add	*17.97*	
23 05 29 00-0484	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,378.75	33.01
		For Work In Restricted Working Space, Add	*19.80*	
23 05 29 00-0485	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,419.01	36.67
		For Work In Restricted Working Space, Add	*22.01*	
23 05 29 00-0486	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,730.85	40.34
		For Work In Restricted Working Space, Add	*24.21*	
23 05 29 00-0487	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,884.72	45.23
		For Work In Restricted Working Space, Add	*27.14*	
23 05 29 00-0488	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,669.50	50.12
		For Work In Restricted Working Space, Add	*30.07*	
23 05 29 00-0489	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,276.16	55.01
		For Work In Restricted Working Space, Add	*33.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0490	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,921.77	59.90
		For Work In Restricted Working Space, Add	*35.94*	

23 05 29 00-0491 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0492	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	14.32	5.51
23 05 29 00-0493	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	15.08	6.11
23 05 29 00-0494	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	16.60	6.42
23 05 29 00-0495	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	17.74	6.72
23 05 29 00-0496	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	19.77	7.34
23 05 29 00-0497	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	21.94	7.64
23 05 29 00-0498	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	27.26	7.95
23 05 29 00-0499	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	30.10	8.55
23 05 29 00-0500	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	36.80	9.78
23 05 29 00-0501	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	54.76	11.00

23 05 29 00-0502 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0503	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.79
23 05 29 00-0504	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.98
23 05 29 00-0505	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.11
23 05 29 00-0506	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.43
23 05 29 00-0507	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.05
23 05 29 00-0508	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.62
23 05 29 00-0509	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.27
23 05 29 00-0510	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.96
23 05 29 00-0511	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	5.99
23 05 29 00-0512	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.58
23 05 29 00-0513	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.90
23 05 29 00-0514	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.88
23 05 29 00-0515	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.93
23 05 29 00-0516	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.56
23 05 29 00-0517	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.61
23 05 29 00-0518	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.70
23 05 29 00-0519	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.27
23 05 29 00-0520	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.41
23 05 29 00-0521	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.75
23 05 29 00-0522	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.46
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.58
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.10
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.46
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	12.28
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.54
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.36
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.55
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.45
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.65
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	15.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0533		**Rooftop Pipe Supports** *(23 05 29 00-0001)* Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0534		**Rooftop Support Base** *(23 05 29 00-0533)*		
23 05 29 00-0535	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	41.94	9.96
23 05 29 00-0536	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	58.33	13.28
23 05 29 00-0537		**Rooftop Support Base With 14 Gauge Galvanized Channel** *(23 05 29 00-0533)*		
23 05 29 00-0538	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	47.43	9.96
23 05 29 00-0539	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	67.24	13.28
23 05 29 00-0540	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	122.79	16.60
23 05 29 00-0541	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	169.20	19.92
23 05 29 00-0542	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	233.56	23.24
23 05 29 00-0543	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	246.67	26.56
23 05 29 00-0544		**Rooftop Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0533)*		
23 05 29 00-0545	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	81.80	13.28
23 05 29 00-0546	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	129.29	16.60
23 05 29 00-0547	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	171.80	19.92
23 05 29 00-0548	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	233.71	23.24
23 05 29 00-0549	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	261.85	19.92
23 05 29 00-0550		**Rooftop Bridge Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0533)*		
23 05 29 00-0551	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	136.60	19.92
23 05 29 00-0552	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	155.67	23.24
23 05 29 00-0553	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	162.26	26.56
23 05 29 00-0554	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	177.75	29.87
23 05 29 00-0555	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	226.62	33.19
23 05 29 00-0556		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0533)*		
23 05 29 00-0557	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	99.04	13.28
23 05 29 00-0558	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	99.04	13.28
23 05 29 00-0559	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	99.58	13.28
23 05 29 00-0560	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	106.77	16.60
23 05 29 00-0561	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	102.79	16.60
23 05 29 00-0562	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	107.90	16.60
23 05 29 00-0563		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0533)*		
23 05 29 00-0564	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	125.13	13.28
23 05 29 00-0565	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	139.43	13.28
23 05 29 00-0566	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	182.63	16.60
23 05 29 00-0567	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	241.09	16.60
23 05 29 00-0568	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	327.93	16.60
23 05 29 00-0569		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0533)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0570	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	156.42	19.92
23 05 29 00-0571		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0533)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0572	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	103.05	16.60
23 05 29 00-0573	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	140.07	19.92
23 05 29 00-0574	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	156.34	23.24
23 05 29 00-0575		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0533)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0576	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	373.29	26.56
23 05 29 00-0577	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	377.40	26.56
23 05 29 00-0578	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	391.84	26.56
23 05 29 00-0579	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	424.98	26.56
23 05 29 00-0580	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	365.94	26.56
23 05 29 00-0581	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	379.75	26.56
23 05 29 00-0582	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	394.19	26.56
23 05 29 00-0583	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	427.32	26.56
23 05 29 00-0584	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	382.36	26.56
23 05 29 00-0585	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	387.18	26.56
23 05 29 00-0586	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	401.34	26.56
23 05 29 00-0587	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	434.61	26.56
23 05 29 00-0588	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	399.13	26.56
23 05 29 00-0589	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	403.53	26.56
23 05 29 00-0590	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	417.69	26.56
23 05 29 00-0591	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	450.96	26.56

23 05 29 00-0592 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0593 Threaded Rod And Rod Accessories *(23 05 29 00-0592)*

23 05 29 00-0594 Threaded Rod *(23 05 29 00-0593)*

Note: Fully threaded.

23 05 29 00-0595	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.87	0.83
		For Galvanized, Add	*0.88*	
		For Zinc Plated, Add	*0.63*	
		For Work In Restricted Working Space, Add	*0.50*	
23 05 29 00-0596	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.28	0.89
		For Galvanized, Add	*1.40*	
		For Zinc Plated, Add	*1.00*	
		For Work In Restricted Working Space, Add	*0.53*	
23 05 29 00-0597	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.27	0.92
		For Galvanized, Add	*2.18*	
		For Zinc Plated, Add	*1.55*	
		For Work In Restricted Working Space, Add	*0.55*	
23 05 29 00-0598	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.77	0.95
		For Galvanized, Add	*3.96*	
		For Zinc Plated, Add	*2.82*	
		For Work In Restricted Working Space, Add	*0.56*	
23 05 29 00-0599	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.82	0.98
		For Galvanized, Add	*4.35*	
		For Zinc Plated, Add	*3.10*	
		For Work In Restricted Working Space, Add	*0.59*	
23 05 29 00-0600	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.48	1.11
		For Galvanized, Add	*6.11*	
		For Zinc Plated, Add	*4.35*	
		For Work In Restricted Working Space, Add	*0.66*	
23 05 29 00-0601	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.71	1.23
		For Galvanized, Add	*7.70*	
		For Zinc Plated, Add	*5.49*	
		For Work In Restricted Working Space, Add	*0.74*	

23 05 29 00-0602 Rod Couplings *(23 05 29 00-0593)*

23 05 29 00-0603	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.69	
		For Work In Restricted Working Space, Add	*2.45*	
23 05 29 00-0604	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.98	
		For Work In Restricted Working Space, Add	*2.72*	
23 05 29 00-0605	EA	5/8" Diameter, Threaded Rod Coupling Nut	13.61	
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0606	EA	3/4" Diameter, Threaded Rod Coupling Nut	16.46	
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0607	EA	7/8" Diameter, Threaded Rod Coupling Nut	23.72	
		For Work In Restricted Working Space, Add	*3.67*	
23 05 29 00-0608	EA	1" Diameter, Threaded Rod Coupling Nut	28.12	
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0609	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	52.68	
		For Work In Restricted Working Space, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0610		**Flat Washers** *(23 05 29 00-0593)* Note: Zinc plated.		
23 05 29 00-0611	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	0.26
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.17*	
23 05 29 00-0612	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.91	0.26
		For Galvanized, Add	*0.07*	
		For Work In Restricted Working Space, Add	*0.19*	
23 05 29 00-0613	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.29	0.40
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.22*	
23 05 29 00-0614	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.76	0.40
		For Galvanized, Add	*0.20*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0615	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.07	0.53
		For Galvanized, Add	*0.24*	
		For Work In Restricted Working Space, Add	*0.33*	
23 05 29 00-0616	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.41	0.53
		For Galvanized, Add	*0.30*	
		For Work In Restricted Working Space, Add	*0.37*	
23 05 29 00-0617	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.71	0.66
		For Galvanized, Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.41*	
23 05 29 00-0618		**Hex Nuts** *(23 05 29 00-0593)* Note: Grade 2 and zinc plated.		
23 05 29 00-0619	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.86	0.33
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0620	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.08	0.33
		For Galvanized, Add	*0.06*	
		For Work In Restricted Working Space, Add	*0.25*	
23 05 29 00-0621	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.44	0.33
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.26*	
23 05 29 00-0622	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.69	0.66
		For Galvanized, Add	*0.19*	
		For Work In Restricted Working Space, Add	*0.28*	
23 05 29 00-0623	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.40	0.66
		For Galvanized, Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0624	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.04	0.66
		For Galvanized, Add	*0.48*	
		For Work In Restricted Working Space, Add	*0.33*	
23 05 29 00-0625	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.88	0.66
		For Galvanized, Add	*0.91*	
		For Work In Restricted Working Space, Add	*0.37*	
23 05 29 00-0626		**Turnbuckle (Cooper B-Line B3202)** *(23 05 29 00-0593)* Note: Type 13.		
23 05 29 00-0627	EA	3/8" Diameter, Turnbuckle (Cooper B-Line B3202)	27.87	6.64
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0628	EA	1/2" Diameter, Turnbuckle (Cooper B-Line B3202)	32.89	7.30
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0629	EA	5/8" Diameter, Turnbuckle (Cooper B-Line B3202)	35.57	7.97
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0630	EA	3/4" Diameter, Turnbuckle (Cooper B-Line B3202)	44.37	9.30
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0631	EA	7/8" Diameter, Turnbuckle (Cooper B-Line B3202)	56.96	9.96
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0632	EA	1" Diameter, Turnbuckle (Cooper B-Line B3202)	70.52	10.63
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0633	EA	1-1/8" Diameter, Turnbuckle (Cooper B-Line B3202)	97.08	11.96
		For Work In Restricted Working Space, Add	*9.96*	
23 05 29 00-0634		**Swivel Turnbuckle (Cooper B-Line B3224)** *(23 05 29 00-0593)* Note: Type 15.		
23 05 29 00-0635	EA	3/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	18.65	6.64
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0636	EA	1/2" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	21.45	7.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0637	EA	5/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	27.84	8.23
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0638	EA	3/4" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	33.43	9.43
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0639		**Forged Steel Clevis (Cooper B-Line B3201)** *(23 05 29 00-0593)* Note: Type 14.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0640	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Diameter Rod Size (Cooper B-Line B3201)	88.84	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0641	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Diameter Rod Size (Cooper B-Line B3201)	128.95	12.83
		For Work In Restricted Working Space, Add	*7.72*	
23 05 29 00-0642	EA	5-1/16" Forged Steel Clevis With Pin, 1" Diameter Rod Size (Cooper B-Line B3201)	139.34	13.45
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0643	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Diameter Rod Size (Cooper B-Line B3201)	145.19	14.67
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0644	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Diameter Rod Size (Cooper B-Line B3201)	153.29	16.51
		For Work In Restricted Working Space, Add	*9.78*	
23 05 29 00-0645	EA	6" Forged Steel Clevis With Pin, 1-1/2" Diameter Rod Size (Cooper B-Line B3201)	253.09	21.40
		For Work In Restricted Working Space, Add	*12.83*	
23 05 29 00-0646	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Diameter Rod Size (Cooper B-Line B3201)	275.20	24.45
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0647	EA	7" Forged Steel Clevis With Pin, 2" Diameter Rod Size (Cooper B-Line B3201)	325.14	30.57
		For Work In Restricted Working Space, Add	*18.34*	

23 05 29 00-0648 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0593)*

23 05 29 00-0649	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	27.95	7.17
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0650	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	28.81	7.30
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0651	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	29.67	7.43
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0652	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	29.94	7.57
		For Work In Restricted Working Space, Add	*4.56*	
23 05 29 00-0653	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	31.67	7.84
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0654	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	33.70	8.36
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0655	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	35.11	8.76
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0656	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	37.72	9.16
		For Work In Restricted Working Space, Add	*5.48*	
23 05 29 00-0657	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	39.71	9.56
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-0658	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	41.74	9.96
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0659	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	36.54	7.97
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0660	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	37.41	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0661	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	38.32	8.23
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0662	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	39.21	8.36
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0663	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	40.97	8.63
		For Work In Restricted Working Space, Add	*5.22*	
23 05 29 00-0664	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	44.21	9.17
		For Work In Restricted Working Space, Add	*5.48*	
23 05 29 00-0665	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	46.86	9.56
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0666	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	50.11	9.96
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0667	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	52.74	10.50
		For Work In Restricted Working Space, Add	*6.28*	
23 05 29 00-0668	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	55.40	10.89
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0669	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	48.46	8.90
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0670	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	49.93	9.03
		For Work In Restricted Working Space, Add	*5.44*	
23 05 29 00-0671	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	51.44	9.17
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0672	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	52.33	9.43
		For Work In Restricted Working Space, Add	*5.62*	
23 05 29 00-0673	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	54.71	9.69
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0674	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	58.58	10.09
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0675	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	62.42	10.63
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0676	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	65.70	11.02
		For Work In Restricted Working Space, Add	*6.63*	
23 05 29 00-0677	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	69.57	11.55
		For Work In Restricted Working Space, Add	*6.91*	
23 05 29 00-0678	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	73.41	11.96
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0679	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	59.14	10.09
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0680	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	61.23	10.22
		For Work In Restricted Working Space, Add	*6.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0681	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	62.71	10.50
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0682	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	64.79	10.63
		For Work In Restricted Working Space, Add	*6.36*	
23 05 29 00-0683	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	68.37	10.89
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-0684	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	73.42	11.42
		For Work In Restricted Working Space, Add	*6.83*	
23 05 29 00-0685	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	78.49	11.82
		For Work In Restricted Working Space, Add	*7.11*	
23 05 29 00-0686	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	84.16	12.35
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0687	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	89.79	12.75
		For Work In Restricted Working Space, Add	*7.68*	
23 05 29 00-0688	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	94.87	13.28
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0689	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	70.63	11.68
		For Work In Restricted Working Space, Add	*7.05*	
23 05 29 00-0690	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	73.29	11.96
		For Work In Restricted Working Space, Add	*7.14*	
23 05 29 00-0691	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	75.40	12.09
		For Work In Restricted Working Space, Add	*7.24*	
23 05 29 00-0692	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	77.49	12.22
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0693	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	81.70	12.62
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0694	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	88.57	13.01
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0695	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	94.84	13.55
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0696	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	101.71	14.08
		For Work In Restricted Working Space, Add	*8.42*	
23 05 29 00-0697	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	108.00	14.48
		For Work In Restricted Working Space, Add	*8.72*	
23 05 29 00-0698	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	114.28	15.00
		For Work In Restricted Working Space, Add	*9.01*	
23 05 29 00-0699	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	88.13	14.08
		For Work In Restricted Working Space, Add	*8.41*	
23 05 29 00-0700	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	90.86	14.21
		For Work In Restricted Working Space, Add	*8.52*	
23 05 29 00-0701	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	93.59	14.34
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0702	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	96.31	14.61
		For Work In Restricted Working Space, Add	*8.74*	
23 05 29 00-0703	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	101.74	15.00
		For Work In Restricted Working Space, Add	*8.96*	
23 05 29 00-0704	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	109.93	15.54
		For Work In Restricted Working Space, Add	*9.30*	
23 05 29 00-0705	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	118.12	16.07
		For Work In Restricted Working Space, Add	*9.63*	
23 05 29 00-0706	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	126.84	16.60
		For Work In Restricted Working Space, Add	*9.96*	
23 05 29 00-0707	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	135.03	17.13
		For Work In Restricted Working Space, Add	*10.29*	
23 05 29 00-0708	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	143.22	17.66
		For Work In Restricted Working Space, Add	*10.63*	

23 05 29 00-0709 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0593)*

23 05 29 00-0710	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	55.97	9.69
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0711	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	57.48	9.96
		For Work In Restricted Working Space, Add	*6.01*	
23 05 29 00-0712	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	59.01	10.35
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0713	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	59.85	10.75
		For Work In Restricted Working Space, Add	*6.43*	
23 05 29 00-0714	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	62.61	11.16
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0715	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	66.28	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0716	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	68.89	12.75
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0717	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	73.52	13.67
		For Work In Restricted Working Space, Add	*8.17*	
23 05 29 00-0718	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	71.48	10.76
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0719	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	73.04	11.02
		For Work In Restricted Working Space, Add	*6.63*	
23 05 29 00-0720	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	74.64	11.29
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0721	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	76.51	11.82
		For Work In Restricted Working Space, Add	*7.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0722	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	79.33	12.22
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0723	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	85.04	13.15
		For Work In Restricted Working Space, Add	*7.87*	
23 05 29 00-0724	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	89.76	13.95
		For Work In Restricted Working Space, Add	*8.40*	
23 05 29 00-0725	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	95.46	14.87
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0726	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	94.56	11.96
		For Work In Restricted Working Space, Add	*7.21*	
23 05 29 00-0727	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	97.12	12.35
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0728	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	99.71	12.62
		For Work In Restricted Working Space, Add	*7.58*	
23 05 29 00-0729	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	101.62	13.15
		For Work In Restricted Working Space, Add	*7.85*	
23 05 29 00-0730	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	105.47	13.55
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0731	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	112.22	14.48
		For Work In Restricted Working Space, Add	*8.67*	
23 05 29 00-0732	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	118.94	15.41
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0733	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	124.71	16.33
		For Work In Restricted Working Space, Add	*9.77*	
23 05 29 00-0734	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	118.83	13.55
		For Work In Restricted Working Space, Add	*8.16*	
23 05 29 00-0735	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	122.44	13.95
		For Work In Restricted Working Space, Add	*8.35*	
23 05 29 00-0736	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	125.01	14.21
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0737	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	128.90	14.74
		For Work In Restricted Working Space, Add	*8.82*	
23 05 29 00-0738	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	134.76	15.15
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0739	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	143.49	16.07
		For Work In Restricted Working Space, Add	*9.67*	
23 05 29 00-0740	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	152.25	17.00
		For Work In Restricted Working Space, Add	*10.24*	
23 05 29 00-0741	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	162.01	18.06
		For Work In Restricted Working Space, Add	*10.80*	
23 05 29 00-0742	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	142.45	15.67
		For Work In Restricted Working Space, Add	*9.44*	
23 05 29 00-0743	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	147.04	16.07
		For Work In Restricted Working Space, Add	*9.63*	
23 05 29 00-0744	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	150.65	16.33
		For Work In Restricted Working Space, Add	*9.83*	
23 05 29 00-0745	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	154.57	16.87
		For Work In Restricted Working Space, Add	*10.13*	
23 05 29 00-0746	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	161.47	17.40
		For Work In Restricted Working Space, Add	*10.42*	
23 05 29 00-0747	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	173.24	18.33
		For Work In Restricted Working Space, Add	*11.01*	
23 05 29 00-0748	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	184.03	19.39
		For Work In Restricted Working Space, Add	*11.60*	
23 05 29 00-0749	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	195.81	20.32
		For Work In Restricted Working Space, Add	*12.19*	
23 05 29 00-0750	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	180.86	18.73
		For Work In Restricted Working Space, Add	*11.24*	
23 05 29 00-0751	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	185.53	19.12
		For Work In Restricted Working Space, Add	*11.47*	
23 05 29 00-0752	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	190.20	19.52
		For Work In Restricted Working Space, Add	*11.69*	
23 05 29 00-0753	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	195.24	20.06
		For Work In Restricted Working Space, Add	*12.02*	
23 05 29 00-0754	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	204.16	20.59
		For Work In Restricted Working Space, Add	*12.35*	
23 05 29 00-0755	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	218.18	21.65
		For Work In Restricted Working Space, Add	*13.02*	
23 05 29 00-0756	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	232.21	22.84
		For Work In Restricted Working Space, Add	*13.68*	
23 05 29 00-0757	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	247.11	23.91
		For Work In Restricted Working Space, Add	*14.34*	

23 05 29 00-0758 Attachments *(23 05 29 00-0592)*

23 05 29 00-0759 Welded Beam Attachments (Cooper B-Line B-3083) *(23 05 29 00-0758)*

Note: Type 22.

23 05 29 00-0760	EA	3/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	60.00	12.40
		For Work In Restricted Working Space, Add	*7.44*	
23 05 29 00-0761	EA	1/2" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	64.08	13.02
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0762	EA	5/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	68.26	13.77
		For Work In Restricted Working Space, Add	*8.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0763	EA	3/4" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	88.13	14.64
		For Work In Restricted Working Space, Add	*8.76*	
23 05 29 00-0764	EA	7/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	106.44	15.51
		For Work In Restricted Working Space, Add	*9.31*	
23 05 29 00-0765	EA	1" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	150.58	17.74
		For Work In Restricted Working Space, Add	*10.63*	
23 05 29 00-0766	EA	1-1/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	215.50	18.61
		For Work In Restricted Working Space, Add	*11.17*	
23 05 29 00-0767		**C-Clamp Style Beam Clamps (Cooper B-Line B-3034)** *(23 05 29 00-0758)*		
		Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0768	EA	3/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	20.91	6.77
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0769	EA	1/2" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	25.16	8.63
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0770	EA	5/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	28.66	9.30
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0771	EA	3/4" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	37.24	9.96
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0772	EA	7/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	54.80	10.63
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0773		**Bottom Mount I-Beam Clamps (Cooper B-Line B-3055)** *(23 05 29 00-0758)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0774	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	59.92	9.30
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0775	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	88.91	11.96
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0776	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	127.83	13.28
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0777	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	153.22	14.61
		For Work In Restricted Working Space, Add	*8.86*	
23 05 29 00-0778	EA	1" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	374.77	15.94
		For Work In Restricted Working Space, Add	*9.96*	
23 05 29 00-0779		**Steel U-Bolts (Cooper B-Line B-3188)** *(23 05 29 00-0758)*		
		Note: Type 24. Includes plate and nuts.		
23 05 29 00-0780	EA	1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	17.06	3.32
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0781	EA	3/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	18.55	3.98
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0782	EA	1" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	20.00	3.98
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0783	EA	1-1/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	22.85	3.98
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0784	EA	1-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	23.56	4.65
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0785	EA	2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	25.22	4.65
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0786	EA	2-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	36.96	4.65
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0787	EA	3" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	40.79	5.31
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0788	EA	4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	49.54	5.98
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0789		**Copper Standoff Brackets With Flange** *(23 05 29 00-0758)*		
		Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0790	EA	1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	39.62	18.99
		For Work In Restricted Working Space, Add	*11.39*	
23 05 29 00-0791	EA	3/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	39.72	18.99
		For Work In Restricted Working Space, Add	*11.39*	
23 05 29 00-0792	EA	1" Diameter Clamp Size, Copper Standoff Brackets With Flange	39.82	18.99
		For Work In Restricted Working Space, Add	*11.39*	
23 05 29 00-0793	EA	1-1/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	42.32	20.19
		For Work In Restricted Working Space, Add	*12.07*	
23 05 29 00-0794	EA	1-1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	42.52	20.19
		For Work In Restricted Working Space, Add	*12.07*	
23 05 29 00-0795		**Malleable Iron Eye Sockets (Cooper B-Line B-3222)** *(23 05 29 00-0758)*		
		Note: Type 16.		
23 05 29 00-0796	EA	3/8" Diameter Rod Size, Malleable Iron Eye Socket	13.55	1.99
		For Work In Restricted Working Space, Add	*1.21*	
23 05 29 00-0797	EA	1/2" Diameter Rod Size, Malleable Iron Eye Socket	17.26	2.66
		For Work In Restricted Working Space, Add	*1.59*	
23 05 29 00-0798	EA	5/8" Diameter Rod Size, Malleable Iron Eye Socket	29.90	2.66
		For Work In Restricted Working Space, Add	*1.61*	
23 05 29 00-0799	EA	3/4" Diameter Rod Size, Malleable Iron Eye Socket	42.30	2.66
		For Work In Restricted Working Space, Add	*1.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0800	EA	7/8" Diameter Rod Size, Malleable Iron Eye Socket	45.62	3.32
		For Work In Restricted Working Space, Add	*1.99*	

23 05 29 00-0801 Steel Weldless Eye Nuts (Cooper B-Line B-3200) *(23 05 29 00-0758)*

Note: Type 17.

23 05 29 00-0802	EA	3/8" Diameter Rod Size, Steel Weldless Eye Nut	44.72	1.99
		For Work In Restricted Working Space, Add	*1.21*	
23 05 29 00-0803	EA	1/2" Diameter Rod Size, Steel Weldless Eye Nut	46.00	2.66
		For Work In Restricted Working Space, Add	*1.59*	
23 05 29 00-0804	EA	5/8" Diameter Rod Size, Steel Weldless Eye Nut	46.05	2.66
		For Work In Restricted Working Space, Add	*1.61*	
23 05 29 00-0805	EA	3/4" Diameter Rod Size, Steel Weldless Eye Nut	46.00	2.66
		For Work In Restricted Working Space, Add	*1.59*	
23 05 29 00-0806	EA	7/8" Diameter Rod Size, Steel Weldless Eye Nut	89.96	2.92
		For Work In Restricted Working Space, Add	*1.79*	
23 05 29 00-0807	EA	1" Diameter Rod Size, Steel Weldless Eye Nut	90.62	3.32
		For Work In Restricted Working Space, Add	*1.99*	

23 05 29 00-0808 Top Mount I-Beam Clamps (Cooper B-Line B-3042) *(23 05 29 00-0758)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0809	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	29.68	6.20
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0810	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	35.80	6.82
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0811	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	43.47	7.45
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0812	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	60.06	8.07
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0813	EA	7/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	92.57	9.31
		For Work In Restricted Working Space, Add	*5.58*	
23 05 29 00-0814	EA	3/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	31.28	6.20
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0815	EA	1/2" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	38.07	6.82
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0816	EA	5/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	43.47	7.45
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0817	EA	3/4" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	66.03	8.07
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0818	EA	7/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	102.75	9.31
		For Work In Restricted Working Space, Add	*5.58*	
23 05 29 00-0819	EA	3/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	35.01	6.20
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0820	EA	1/2" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	42.26	6.82
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0821	EA	5/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	53.30	7.45
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0822	EA	3/4" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	77.18	8.07
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0823	EA	7/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	124.56	9.31
		For Work In Restricted Working Space, Add	*5.58*	

23 05 29 00-0824 Side Beam Brackets (Cooper B-Line B-3062) *(23 05 29 00-0758)*

Note: Type 34.

23 05 29 00-0825	EA	3/8" Diameter Rod Size, Side Beam Bracket	23.56	8.63
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0826	EA	1/2" Diameter Rod Size, Side Beam Bracket	28.03	8.63
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0827	EA	5/8" Diameter Rod Size, Side Beam Bracket	36.58	9.30
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0828	EA	3/4" Diameter Rod Size, Side Beam Bracket	65.98	9.96
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0829	EA	7/8" Diameter Rod Size, Side Beam Bracket	77.38	11.29
		For Work In Restricted Working Space, Add	*6.64*	

23 05 29 00-0830 Hex Lag Bolts *(23 05 29 00-0758)*

Note: Also known as coach screws.

23 05 29 00-0831	EA	3/8" Diameter x 3-1/2" Long, Hex Lag Bolt	3.52	
		For Work In Restricted Working Space, Add	*0.83*	
23 05 29 00-0832	EA	3/8" Diameter x 4" Long, Hex Lag Bolt	3.58	
		For Work In Restricted Working Space, Add	*0.86*	
23 05 29 00-0833	EA	3/8" Diameter x 6" Long, Hex Lag Bolt	4.01	
		For Work In Restricted Working Space, Add	*0.89*	
23 05 29 00-0834	EA	3/8" Diameter x 8" Long, Hex Lag Bolt	4.77	
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0835	EA	3/8" Diameter x 10" Long, Hex Lag Bolt	5.07	
		For Work In Restricted Working Space, Add	*0.96*	
23 05 29 00-0836	EA	3/8" Diameter x 12" Long, Hex Lag Bolt	6.32	
		For Work In Restricted Working Space, Add	*1.00*	
23 05 29 00-0837	EA	1/2" Diameter x 3-1/2" Long, Hex Lag Bolt	4.76	
		For Work In Restricted Working Space, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0838	EA	1/2" Diameter x 4" Long, Hex Lag Bolt	4.84	
		For Work In Restricted Working Space, Add	*1.04*	
23 05 29 00-0839	EA	1/2" Diameter x 6" Long, Hex Lag Bolt	5.59	
		For Work In Restricted Working Space, Add	*1.08*	
23 05 29 00-0840	EA	1/2" Diameter x 8" Long, Hex Lag Bolt	6.44	
		For Work In Restricted Working Space, Add	*1.13*	
23 05 29 00-0841	EA	1/2" Diameter x 10" Long, Hex Lag Bolt	7.53	
		For Work In Restricted Working Space, Add	*1.19*	
23 05 29 00-0842	EA	1/2" Diameter x 12" Long, Hex Lag Bolt	8.06	
		For Work In Restricted Working Space, Add	*1.24*	
23 05 29 00-0843	EA	5/8" Diameter x 4" Long, Hex Lag Bolt	6.48	
		For Work In Restricted Working Space, Add	*1.11*	
23 05 29 00-0844	EA	3/4" Diameter x 5" Long, Hex Lag Bolt	7.53	
		For Work In Restricted Working Space, Add	*1.13*	

23 05 29 00-0845 Hanger Strap *(23 05 29 00-0592)*

23 05 29 00-0846	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	6.40	

23 05 29 00-0847 Shields And Saddles *(23 05 29)*

23 05 29 00-0848 Insulation Protection Shield *(23 05 29 00-0847)*

Note: Type 40.

23 05 29 00-0849 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0848)*

23 05 29 00-0850	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.69	3.19
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0851	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.93	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0852	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.31	3.27
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0853	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.02	3.31
		For Work In Restricted Working Space, Add	*3.31*	
23 05 29 00-0854	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.72	3.39
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0855	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	23.51	3.46
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0856	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	26.95	3.54
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0857	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	32.36	3.62
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0858	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	40.73	3.66
		For Work In Restricted Working Space, Add	*3.67*	
23 05 29 00-0859	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	44.13	3.70
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0860	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	59.63	3.74
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0861	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	66.65	3.78
		For Work In Restricted Working Space, Add	*3.79*	
23 05 29 00-0862	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	121.00	3.82
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0863	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	131.31	3.90
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0864	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	158.11	3.99
		For Work In Restricted Working Space, Add	*3.98*	

23 05 29 00-0865 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0848)*

23 05 29 00-0866	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.02	3.19
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0867	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.23	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0868	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.54	3.27
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0869	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.10	3.31
		For Work In Restricted Working Space, Add	*3.31*	
23 05 29 00-0870	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	17.40	3.39
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0871	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	20.22	3.46
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0872	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	21.59	3.54
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0873	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	26.79	3.62
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0874	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	31.58	3.66
		For Work In Restricted Working Space, Add	*3.67*	

23 05 29 00-0875 Pipe Covering Protection Saddle *(23 05 29 00-0847)*

Note: Sizes are pipe sizes.

23 05 29 00-0876 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0875)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0877	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.23	4.39
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0878	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.35	4.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0879	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.48	4.46
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0880	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.62	4.55
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0881	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.74	4.58
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0882	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.57	4.66
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0883	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	30.32	4.73
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0884	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	33.65	4.80
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0885	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	37.50	4.95
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0886	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	44.96	5.14
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0887	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	49.85	5.21
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0888	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	58.43	5.21
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0889	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	63.48	5.39
		For Work In Restricted Working Space, Add	*5.40*	

23 05 29 00-0890 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0875)*

23 05 29 00-0891	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.05	4.39
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0892	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.17	4.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0893	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.30	4.46
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0894	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.25	4.55
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0895	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.33	4.58
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0896	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.54	4.66
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0897	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	34.10	4.73
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0898	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	38.31	4.73
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0899	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	42.76	4.95
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0900	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	50.12	5.14
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0901	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	55.95	5.21
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0902	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	65.97	5.32
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0903	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	71.94	5.39
		For Work In Restricted Working Space, Add	*5.40*	

23 05 29 00-0904 Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0875)*

23 05 29 00-0905	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.95	4.62
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0906	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.08	4.66
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0907	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.51	4.69
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0908	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.42	4.76
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-0909	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.21	4.80
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0910	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.45	4.89
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0911	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.23	4.96
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0912	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	36.98	5.04
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0913	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	46.32	5.20
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0914	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	52.16	5.39
		For Work In Restricted Working Space, Add	*5.40*	
23 05 29 00-0915	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	54.63	5.47
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0916	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	72.48	5.59
		For Work In Restricted Working Space, Add	*5.58*	
23 05 29 00-0917	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	79.90	5.67
		For Work In Restricted Working Space, Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0918	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	87.58	5.80
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0919	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	95.25	5.95
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-0920	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	104.17	6.11
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0921	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	118.79	6.25
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0922		Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0875)*		
23 05 29 00-0923	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.31	4.80
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0924	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.02	4.87
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0925	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.89	4.92
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0926	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.89	5.00
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0927	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.26	5.09
		For Work In Restricted Working Space, Add	*5.10*	
23 05 29 00-0928	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	42.80	5.16
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0929	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	48.61	5.32
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0930	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	56.16	5.53
		For Work In Restricted Working Space, Add	*5.51*	
23 05 29 00-0931	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	60.01	5.61
		For Work In Restricted Working Space, Add	*5.62*	
23 05 29 00-0932	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	74.36	5.72
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-0933	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	87.65	5.80
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0934	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	101.16	5.94
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-0935	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	107.33	6.09
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0936	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	114.18	6.25
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0937	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	121.02	6.40
		For Work In Restricted Working Space, Add	*6.40*	
23 05 29 00-0938		Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0875)*		
23 05 29 00-0939	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	37.09	5.04
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0940	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	40.26	5.13
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0941	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	41.91	5.20
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0942	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	43.56	5.28
		For Work In Restricted Working Space, Add	*5.29*	
23 05 29 00-0943	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	49.65	5.44
		For Work In Restricted Working Space, Add	*5.43*	
23 05 29 00-0944	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	61.60	5.65
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0945	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	66.53	5.73
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-0946	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	85.65	5.85
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0947	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	101.67	5.94
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-0948	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	117.71	6.08
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-0949	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	120.02	6.24
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0950	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	122.19	6.39
		For Work In Restricted Working Space, Add	*6.40*	
23 05 29 00-0951	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	154.22	6.55
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-0952		Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0875)*		
23 05 29 00-0953	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	41.53	5.15
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0954	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	45.27	5.24
		For Work In Restricted Working Space, Add	*5.25*	
23 05 29 00-0955	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	47.19	5.32
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0956	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	49.20	5.39
		For Work In Restricted Working Space, Add	*5.40*	
23 05 29 00-0957	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	59.50	5.57
		For Work In Restricted Working Space, Add	*5.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0958	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	69.79	5.78
		For Work In Restricted Working Space, Add	*5.77*	
23 05 29 00-0959	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	72.10	5.87
		For Work In Restricted Working Space, Add	*5.88*	
23 05 29 00-0960	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	91.35	6.00
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0961	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	110.24	6.07
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-0962	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	129.37	6.23
		For Work In Restricted Working Space, Add	*6.21*	
23 05 29 00-0963	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	157.56	6.37
		For Work In Restricted Working Space, Add	*6.36*	
23 05 29 00-0964	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	185.64	6.54
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-0965	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	198.42	6.70
		For Work In Restricted Working Space, Add	*6.70*	
23 05 29 00-0966	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	208.74	6.87
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0967	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	216.38	7.05
		For Work In Restricted Working Space, Add	*7.04*	

23 05 29 00-0968 Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0847)*

23 05 29 00-0969	EA	2" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	92.69	16.60
23 05 29 00-0970	EA	3" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	98.83	19.26
23 05 29 00-0971	EA	4" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	119.71	21.92
23 05 29 00-0972	EA	5" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	125.17	23.91
23 05 29 00-0973	EA	6" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	138.91	26.57
23 05 29 00-0974	EA	8" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	159.22	33.20
23 05 29 00-0975	EA	10" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	208.57	44.49
23 05 29 00-0976	EA	12" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	262.80	66.41

23 05 29 00-0977 Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0847)*

23 05 29 00-0978	EA	2-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	113.01	16.60
23 05 29 00-0979	EA	3" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	117.76	19.26
23 05 29 00-0980	EA	3-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	126.29	20.59
23 05 29 00-0981	EA	4" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	129.39	21.92
23 05 29 00-0982	EA	5" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	136.31	23.91
23 05 29 00-0983	EA	6" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	145.04	26.57
23 05 29 00-0984	EA	8" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	183.96	33.20
23 05 29 00-0985	EA	10" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	247.93	44.49
23 05 29 00-0986	EA	12" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	327.96	66.41

23 05 29 00-0987 Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0847)*

23 05 29 00-0988	EA	2-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	61.49	16.60
23 05 29 00-0989	EA	3" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	66.24	19.26
23 05 29 00-0990	EA	3-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	96.41	20.59
23 05 29 00-0991	EA	4" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	99.51	21.92
23 05 29 00-0992	EA	5" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	109.22	23.91
23 05 29 00-0993	EA	6" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	121.10	26.57
23 05 29 00-0994	EA	8" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	140.09	33.20
23 05 29 00-0995	EA	10" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	165.80	44.49
23 05 29 00-0996	EA	12" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	213.96	66.41

23 05 29 00-0997 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0847)*

Note: Insert is for use as isolated protective insulation at hangers.

23 05 29 00-0998 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

23 05 29 00-0999	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.72	10.28
23 05 29 00-1000	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.07	10.28
23 05 29 00-1001	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.16	10.28
23 05 29 00-1002	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.51	10.28
23 05 29 00-1003	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.14	10.91
23 05 29 00-1004	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.22	11.24
23 05 29 00-1005	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.47	11.71
23 05 29 00-1006	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.84	12.18
23 05 29 00-1007	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.13	12.65
23 05 29 00-1008	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.08	10.91
23 05 29 00-1009	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.49	14.24
23 05 29 00-1010	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.27	16.77
23 05 29 00-1011	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.44	19.46
23 05 29 00-1012	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.99	20.09

23 05 29 00-1013 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1014	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.16	7.75
23 05 29 00-1015	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.88	7.75
23 05 29 00-1016	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.32	7.91
23 05 29 00-1017	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.99	8.07
23 05 29 00-1018	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.62	8.07
23 05 29 00-1019	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.72	8.38
23 05 29 00-1020	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.04	8.70
23 05 29 00-1021	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.74	8.86
23 05 29 00-1022	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.25	9.65
23 05 29 00-1023	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.94	16.61
23 05 29 00-1024	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.90	12.50
23 05 29 00-1025	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.77	14.71
23 05 29 00-1026	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.07	16.93
23 05 29 00-1027	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.59	20.41

23 05 29 00-1028 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

23 05 29 00-1029	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.93	8.86
23 05 29 00-1030	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.21	8.86
23 05 29 00-1031	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.02	9.02
23 05 29 00-1032	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.75	9.18
23 05 29 00-1033	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.50	9.34
23 05 29 00-1034	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.60	9.65
23 05 29 00-1035	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.11	9.97
23 05 29 00-1036	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.54	10.28
23 05 29 00-1037	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.64	10.91
23 05 29 00-1038	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.73	12.34
23 05 29 00-1039	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.04	21.05
23 05 29 00-1040	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.53	24.36
23 05 29 00-1041	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	81.64	28.79
23 05 29 00-1042	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	91.56	32.28
23 05 29 00-1043	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	102.38	36.39
23 05 29 00-1044	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	117.70	42.72
23 05 29 00-1045	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	130.70	47.47
23 05 29 00-1046	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	147.73	53.80

23 05 29 00-1047 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

23 05 29 00-1048	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.72	10.28
23 05 29 00-1049	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.03	10.28
23 05 29 00-1050	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.05	10.44
23 05 29 00-1051	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.78	10.60
23 05 29 00-1052	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.54	10.60
23 05 29 00-1053	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.87	11.08
23 05 29 00-1054	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.59	11.40
23 05 29 00-1055	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.23	11.87
23 05 29 00-1056	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.73	12.50
23 05 29 00-1057	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.61	14.24
23 05 29 00-1058	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.00	15.82
23 05 29 00-1059	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.19	18.19
23 05 29 00-1060	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	82.31	22.62
23 05 29 00-1061	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	92.44	24.84
23 05 29 00-1062	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	110.59	31.65
23 05 29 00-1063	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	118.34	33.23
23 05 29 00-1064	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	134.50	37.97
23 05 29 00-1065	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	159.08	45.89

23 05 29 00-1066 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

23 05 29 00-1067	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.78	10.60
23 05 29 00-1068	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	66.18	11.08
23 05 29 00-1069	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.62	11.08
23 05 29 00-1070	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.23	11.40
23 05 29 00-1071	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.12	11.71
23 05 29 00-1072	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	74.21	11.87
23 05 29 00-1073	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.05	12.18
23 05 29 00-1074	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	81.44	12.98
23 05 29 00-1075	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	89.54	13.45
23 05 29 00-1076	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	102.41	16.45
23 05 29 00-1077	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	131.22	18.04
23 05 29 00-1078	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	155.85	18.99
23 05 29 00-1079	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	179.51	24.52
23 05 29 00-1080	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	201.80	26.11
23 05 29 00-1081	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	242.87	34.81
23 05 29 00-1082	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	261.39	37.97
23 05 29 00-1083	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	295.90	41.14
23 05 29 00-1084	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	347.74	50.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1085		**3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1086	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.72	10.28
23 05 29 00-1087	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.92	12.50
23 05 29 00-1088	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.30	12.50
23 05 29 00-1089	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.12	12.65
23 05 29 00-1090	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.16	12.81
23 05 29 00-1091	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.58	13.29
23 05 29 00-1092	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.67	13.77
23 05 29 00-1093	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.52	14.24
23 05 29 00-1094	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.91	15.04
23 05 29 00-1095	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.91	17.09
23 05 29 00-1096	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.95	18.99
23 05 29 00-1097	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	85.43	21.84
23 05 29 00-1098	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.76	27.22
23 05 29 00-1099	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	110.94	29.75
23 05 29 00-1100	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	132.72	37.97
23 05 29 00-1101	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	142.01	39.87
23 05 29 00-1102	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	161.48	45.57
23 05 29 00-1103	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	190.90	55.07
23 05 29 00-1104		**4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1105	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.06	13.92
23 05 29 00-1106	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.49	13.92
23 05 29 00-1107	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.88	14.08
23 05 29 00-1108	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.98	14.24
23 05 29 00-1109	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.77	14.24
23 05 29 00-1110	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.23	15.19
23 05 29 00-1111	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.98	15.35
23 05 29 00-1112	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.25	15.98
23 05 29 00-1113	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.99	16.93
23 05 29 00-1114	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	62.88	19.15
23 05 29 00-1115	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	79.76	20.72
23 05 29 00-1116	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	96.14	24.68
23 05 29 00-1117	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.13	30.69
23 05 29 00-1118	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	124.86	33.39
23 05 29 00-1119	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	149.39	42.72
23 05 29 00-1120	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	159.69	44.77
23 05 29 00-1121	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	179.81	51.27
23 05 29 00-1122	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	214.80	62.02
23 05 29 00-1123	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	245.96	72.95
23 05 29 00-1124	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	281.18	86.07
23 05 29 00-1125	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	319.95	101.74
23 05 29 00-1126	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	462.62	157.12
23 05 29 00-1127	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	499.79	172.94
23 05 29 00-1128	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	533.56	186.71
23 05 29 00-1129		**Equipment Housekeeping Pads** *(23 05 29)* See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.		
23 05 29 00-1130		**Molded Plastic Condenser Pad** *(23 05 29 00-1129)*		
23 05 29 00-1131	EA	30" Round Molded Plastic Pad	156.02	16.60
23 05 29 00-1132	EA	30" Octagon Molded Plastic Pad	164.10	16.60
23 05 29 00-1133	EA	30" x 30" Molded Plastic Pad	156.02	16.60
23 05 29 00-1134	EA	36" x 36" Molded Plastic Pad	204.43	16.60
23 05 29 00-1135	EA	36" x 48" Molded Plastic Pad	295.00	16.60
23 05 29 00-1136		**Inertia Base** *(23 05 29 00-1129)* Note: Includes spring isolators.		
23 05 29 00-1137	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,224.69	
23 05 29 00-1138	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,687.53	
23 05 29 00-1139	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	3,078.32	
23 05 29 00-1140	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,517.15	
23 05 29 00-1141		**Hanger Assemblies** *(23 05 29)* Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1142	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	57.48	20.65
		For Work In Restricted Working Space, Add	*13.29*	
23 05 29 00-1143	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	59.93	21.87
		For Work In Restricted Working Space, Add	*14.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1144	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	61.96	23.21
		For Work In Restricted Working Space, Add	*14.61*	
23 05 29 00-1145	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	62.96	23.24
		For Work In Restricted Working Space, Add	*14.83*	
23 05 29 00-1146	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	63.19	23.24
		For Work In Restricted Working Space, Add	*14.83*	
23 05 29 00-1147	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	64.37	23.42
		For Work In Restricted Working Space, Add	*15.05*	
23 05 29 00-1148	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	72.47	24.00
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-1149	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	74.40	24.69
		For Work In Restricted Working Space, Add	*14.90*	
23 05 29 00-1150	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	89.93	27.88
		For Work In Restricted Working Space, Add	*16.45*	
23 05 29 00-1151	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	133.31	36.02
		For Work In Restricted Working Space, Add	*21.61*	
23 05 29 00-1152	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	152.51	41.78
		For Work In Restricted Working Space, Add	*25.07*	
23 05 29 00-1153	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	209.32	53.08
		For Work In Restricted Working Space, Add	*31.45*	
23 05 29 00-1154	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	227.88	57.11
		For Work In Restricted Working Space, Add	*34.33*	

23 05 29 00-1155 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1156 Angle Iron For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1157	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.09	1.93
23 05 29 00-1158	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	4.02	2.41
23 05 29 00-1159	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.96	2.89
23 05 29 00-1160	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.83	3.59
23 05 29 00-1161	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.62	3.86
23 05 29 00-1162	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	10.19	4.33
23 05 29 00-1163	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.68	5.28
23 05 29 00-1164	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	16.40	6.19
23 05 29 00-1165	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	19.57	7.23

23 05 29 00-1166 Channels For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1167	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.60	4.63
23 05 29 00-1168	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.54	6.64
23 05 29 00-1169	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	18.11	7.99
23 05 29 00-1170	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.68	9.31
23 05 29 00-1171	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.25	11.18
23 05 29 00-1172	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	31.29	13.31
23 05 29 00-1173	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	35.42	14.64

23 05 29 00-1174 Structural Bar Tees For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1175	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	9.75	6.51
23 05 29 00-1176	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	11.74	7.69
23 05 29 00-1177	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.51	8.87
23 05 29 00-1178	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	21.28	11.83
23 05 29 00-1179	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	28.93	14.20
23 05 29 00-1180	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	36.32	18.34

23 05 29 00-1181 Structural Zees For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1182	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	16.53	8.87
23 05 29 00-1183	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.64	8.87
23 05 29 00-1184	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	28.59	8.87
23 05 29 00-1185	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	35.95	8.87
23 05 29 00-1186	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	43.56	8.87

23 05 29 00-1187 Junior I-beams For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1188	LF	3" I-beam (Junior) For Hanger Devices	20.80	13.01
23 05 29 00-1189	LF	4" I-beam (Junior) For Hanger Devices	23.84	14.20
23 05 29 00-1190	LF	5" I-beam (Junior) For Hanger Devices	27.40	15.37
23 05 29 00-1191	LF	6" I-beam (Junior) For Hanger Devices	29.94	17.15
23 05 29 00-1192	LF	7" I-beam (Junior) For Hanger Devices	35.33	18.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1193	LF	8" I-beam (Junior) For Hanger Devices	38.23	19.52

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	120.87	37.17
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	128.41	37.17
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	153.43	37.17

23 05 48 13-0005 Housed Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.
Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	270.37	37.17
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	300.62	37.17
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	315.74	37.17
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	376.24	37.17
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	391.36	37.17
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	296.84	37.17
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	323.31	37.17
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	342.21	37.17
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	429.17	37.17
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	463.20	37.17
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	542.60	37.17

23 05 48 13-0017 Vibration Isolators *(23 05 48 13)*

23 05 48 13-0018 Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)*

23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	158.52	23.91
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	332.28	26.57

23 05 48 13-0021 Rubber-In-Shear Isolator Hanger *(23 05 48 13-0017)*

23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	88.43	19.93
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	114.52	23.91

23 05 48 13-0024 Spring Hanger For 1" Deflection *(23 05 48 13-0017)*

23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	100.36	23.91

23 05 48 13-0026 Rubber-In-Shear Vibration Isolator *(23 05 48 13-0017)*

23 05 48 13-0027	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	184.71	45.16
23 05 48 13-0028	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	251.46	45.16
23 05 48 13-0029	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	480.55	45.16

23 05 48 13-0030 Two-Piece Spring Type Vibration Isolator *(23 05 48 13-0017)*

Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.

23 05 48 13-0031	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	156.58	45.16
23 05 48 13-0032	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	161.55	45.16

23 05 48 13-0033 Open Double Spring Type Vibration Isolator *(23 05 48 13-0017)*

Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.

23 05 48 13-0034	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	121.24	22.58
23 05 48 13-0035	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	121.24	22.58
23 05 48 13-0036	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	137.82	22.58
23 05 48 13-0037	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	137.82	22.58
23 05 48 13-0038	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	212.82	22.58

23 05 48 13-0039 Isolation Pads *(23 05 48 13-0017)*

23 05 48 13-0040 Laminated Neoprene And Cork Isolation Pad *(23 05 48 13-0039)*

23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.97	3.32
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	10.11	3.45
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	12.58	3.58
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	48.58	4.12
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	92.58	4.65

23 05 48 13-0046 Neoprene And Steel Plate Isolation Pad *(23 05 48 13-0039)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	108.81	3.32
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	120.09	3.32
23 05 48 13-0049		**Neoprene Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	7.46	3.32
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	8.46	3.32
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	10.06	3.32
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	47.80	3.99
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	87.03	4.65
23 05 48 13-0055		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0056	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	85.68	21.25
23 05 48 13-0057	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	100.59	29.21
23 05 48 13-0058	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	123.45	35.86
23 05 48 13-0059	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	143.70	42.50
23 05 48 13-0060	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	164.80	55.78
23 05 48 13-0061	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	185.65	59.37
23 05 48 13-0062	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	248.39	70.40
23 05 48 13-0063	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	342.46	109.70
23 05 48 13-0064		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0065	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	253.87	76.23
23 05 48 13-0066	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	295.07	83.68
23 05 48 13-0067	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	330.71	88.59
23 05 48 13-0068	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	370.39	100.94
23 05 48 13-0069	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	418.37	108.91
23 05 48 13-0070	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	526.79	141.72
23 05 48 13-0071	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	774.43	159.38
23 05 48 13-0072	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	950.03	179.30
23 05 48 13-0073	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,321.13	265.63
23 05 48 13-0074		**Flanged Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0075		**Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 13-0074)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	260.01	99.61
23 05 48 13-0077	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	281.41	110.64
23 05 48 13-0078	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	459.10	221.01
23 05 48 13-0079	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	636.66	328.72
23 05 48 13-0080	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	829.30	424.34
23 05 48 13-0081	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,051.09	441.27
23 05 48 13-0082	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,276.74	503.99
23 05 48 13-0083	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,651.84	599.78
23 05 48 13-0084	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	4,021.91	750.17
23 05 48 13-0085		**Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 13-0074)*		
		Note: With braided metal wire.		
23 05 48 13-0086	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	202.85	90.58
23 05 48 13-0087	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	198.15	124.58
23 05 48 13-0088	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	378.43	166.02
23 05 48 13-0089	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	492.19	249.04
23 05 48 13-0090	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	529.53	274.00
23 05 48 13-0091	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	615.75	331.78
23 05 48 13-0092	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	788.39	424.75
23 05 48 13-0093	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,085.72	528.48
23 05 48 13-0094	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,768.97	706.04
23 05 48 13-0095	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,081.58	816.42
23 05 48 13-0096	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,673.27	882.55
23 05 48 13-0097		**Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 13-0074)*		
		Note: 150 PSI.		
23 05 48 13-0098	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,125.35	192.59
23 05 48 13-0099	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,262.45	225.79
23 05 48 13-0100	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,914.34	379.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0101	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,326.30	441.27
23 05 48 13-0102	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,055.86	541.30
23 05 48 13-0103		Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*		
23 05 48 13-0104		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0103)*		
		Note: MPT connection.		
23 05 48 13-0105	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.43	2.66
23 05 48 13-0106	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	53.09	2.66
23 05 48 13-0107	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.10	3.45
23 05 48 13-0108	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.85	3.45
23 05 48 13-0109	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.48	3.19
23 05 48 13-0110	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.83	3.19
23 05 48 13-0111	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	82.21	4.11
23 05 48 13-0112	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	101.45	4.11
23 05 48 13-0113	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	81.13	3.72
23 05 48 13-0114	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.71	3.72
23 05 48 13-0115	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	105.43	4.91
23 05 48 13-0116	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	133.57	4.91
23 05 48 13-0117	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	161.49	4.91
23 05 48 13-0118	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	189.51	4.91
23 05 48 13-0119	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	115.54	4.77
23 05 48 13-0120	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	127.35	4.77
23 05 48 13-0121	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	163.35	4.77
23 05 48 13-0122	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	227.10	6.36
23 05 48 13-0123	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	263.38	6.36
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	311.65	6.36
23 05 48 13-0125	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	158.16	5.75
23 05 48 13-0126	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	182.84	5.75
23 05 48 13-0127	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	230.65	5.75
23 05 48 13-0128	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	307.61	7.70
23 05 48 13-0129	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	380.47	7.70
23 05 48 13-0130	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	453.26	7.70
23 05 48 13-0131	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	219.57	7.22
23 05 48 13-0132	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	249.97	6.84
23 05 48 13-0133	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	280.68	6.84
23 05 48 13-0134	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	346.15	9.17
23 05 48 13-0135	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	407.90	9.17
23 05 48 13-0136	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	467.73	9.17
23 05 48 13-0137	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	346.18	9.17
23 05 48 13-0138	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	387.20	9.17
23 05 48 13-0139	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	852.15	9.17
23 05 48 13-0140	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,026.52	12.23
23 05 48 13-0141	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	599.56	12.23
23 05 48 13-0142	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	680.28	12.23
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	632.32	10.27
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	680.25	10.27
23 05 48 13-0145	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	728.18	10.27
23 05 48 13-0146	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	832.39	13.69
23 05 48 13-0147	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	927.88	13.69
23 05 48 13-0148	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,025.42	13.69
23 05 48 13-0149		Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0103)*		
		Note: Over braided carbon steel connection.		
23 05 48 13-0150	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	188.41	5.83
23 05 48 13-0151	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	227.62	5.83
23 05 48 13-0152	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	266.10	5.83
23 05 48 13-0153	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	348.30	7.81
23 05 48 13-0154	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	426.29	7.81
23 05 48 13-0155	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	504.20	7.81
23 05 48 13-0156	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	213.57	6.84
23 05 48 13-0157	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	254.56	6.84
23 05 48 13-0158	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	295.73	6.84
23 05 48 13-0159	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	383.13	9.17
23 05 48 13-0160	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	465.13	9.17
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	546.00	9.17
23 05 48 13-0162	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	226.68	9.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0163	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	273.63	9.41
23 05 48 13-0164	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	321.25	9.17
23 05 48 13-0165	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	425.46	12.23
23 05 48 13-0166	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	520.19	12.23
23 05 48 13-0167	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	617.60	12.23
23 05 48 13-0168	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	457.10	17.86
23 05 48 13-0169	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	674.23	17.99
23 05 48 13-0170	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	904.21	23.70
23 05 48 13-0171	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,121.43	23.70
23 05 48 13-0172	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,338.60	23.70
23 05 48 13-0173	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	790.21	20.75
23 05 48 13-0174	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	954.49	20.75
23 05 48 13-0175	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,294.12	26.97
23 05 48 13-0176	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,620.02	26.97
23 05 48 13-0177	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,945.83	26.97
23 05 48 13-0178	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	846.23	25.93
23 05 48 13-0179	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,256.95	25.93
23 05 48 13-0180	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,683.64	33.77
23 05 48 13-0181	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,095.80	33.77
23 05 48 13-0182	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,506.21	33.77
23 05 48 13-0183	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,680.28	31.35
23 05 48 13-0184	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,192.85	31.35
23 05 48 13-0185	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,743.17	42.18
23 05 48 13-0186	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,260.24	42.18
23 05 48 13-0187	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,779.72	42.18

23 05 48 13-0188 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0103)*

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0189	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	379.90	5.75
23 05 48 13-0190	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	729.43	162.95
23 05 48 13-0191	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	888.34	162.95
23 05 48 13-0192	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,047.25	162.95
23 05 48 13-0193	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,206.22	162.95
23 05 48 13-0194	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	676.15	207.82
23 05 48 13-0195	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	843.60	207.82
23 05 48 13-0196	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,011.12	207.82
23 05 48 13-0197	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,178.70	207.82
23 05 48 13-0198	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,343.34	207.82
23 05 48 13-0199	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	949.13	348.41
23 05 48 13-0200	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,144.58	349.28
23 05 48 13-0201	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,343.22	348.41
23 05 48 13-0202	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,565.31	348.41
23 05 48 13-0203	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,735.01	348.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0204	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,460.88	446.64
23 05 48 13-0205	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,903.75	446.64
23 05 48 13-0206	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,346.86	448.25
23 05 48 13-0207	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,789.79	446.64
23 05 48 13-0208	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,232.65	446.64
23 05 48 13-0209	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,369.00	530.12
23 05 48 13-0210	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,704.04	530.12
23 05 48 13-0211	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,368.30	530.12
23 05 48 13-0212	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,032.82	530.12
23 05 48 13-0213	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,697.02	530.12
23 05 48 13-0214	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,855.18	645.36
23 05 48 13-0215	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,689.90	645.36
23 05 48 13-0216	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,530.22	645.36
23 05 48 13-0217	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,368.74	645.36
23 05 48 13-0218	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,046.41	645.36
23 05 48 13-0219	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,224.29	783.66
23 05 48 13-0220	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,283.52	783.66
23 05 48 13-0221	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,342.69	783.66
23 05 48 13-0222	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,401.86	783.66
23 05 48 13-0223	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,461.10	783.66

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	22.10
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	22.43
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	22.61
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	22.96
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	26.56
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	27.16
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	42.72
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	43.20
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	43.71
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	43.98
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	44.26
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	44.55
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	46.66
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	46.97
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	57.65
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	59.68
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	68.80
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	78.89

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.43
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.09
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.43
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.69
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.91
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.32
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.84
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.36
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.76
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.17
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.99
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.89
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.67

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.44	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	29.23	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	30.69	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	35.89	
23 05 53 00-0039		Valve Identification Tag *(23 05 53 00-0001)*		
		Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	13.51	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	12.74	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	12.50	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001		Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	1,049.19	89.58
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,095.28	94.02
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,098.48	98.05
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,149.78	103.02
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,244.12	107.44
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,171.68	110.80
23 05 66 00-0008		Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	881.23	62.05
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	893.47	67.15
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	916.76	71.18
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	928.21	76.55
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	952.29	80.58
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	970.06	84.61
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	993.36	89.99
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	1,003.51	62.05
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,015.75	67.15
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,039.03	71.18
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,050.49	76.55
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,074.57	80.58
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,092.34	84.61
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,115.64	89.99
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	702.05	67.15
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	725.34	71.18
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	736.80	76.55
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	760.88	80.58
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	778.65	84.61
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	801.95	89.99
23 05 66 00-0029		Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	646.84	85.95
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	661.16	89.99
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	675.46	94.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	694.70	98.05
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	719.55	103.02
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	741.46	107.44
23 05 66 00-0036		**Ultraviolet HVAC Microbial Control Replacement Parts** *(23 05 66)*		
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	170.99	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	179.78	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	204.33	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	235.92	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	268.20	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	271.63	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	129.02	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	135.89	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	153.81	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	159.89	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	178.60	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	190.99	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	208.92	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	500.33	
23 05 66 00-0051		**Ultraviolet HVAC Microbial Control Mounting Accessories** *(23 05 66)*		
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	729.36	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	932.47	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	425.00	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	449.87	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	578.65	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	360.30	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	390.89	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	509.58	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	502.52	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.92	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	63.83	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	21.94	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	20.71	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	58.79	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	70.01	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	62.16	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	50.40	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	47.60	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	25.64	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	53.54	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	25.75	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	102.26	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	107.52	
23 05 66 00-0075		**Ultraviolet Duct Disinfection Unit (eLEDLights)** *(23 05 66)*		
23 05 66 00-0076	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,489.46	124.24
23 05 66 00-0077	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,665.50	130.95
23 05 66 00-0078	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,728.44	141.02
23 05 66 00-0079	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,808.49	151.09
23 05 66 00-0080	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,862.87	161.17
23 05 66 00-0081	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,244.33	167.89
23 05 66 00-0082	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,245.77	130.95
23 05 66 00-0083	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,334.38	141.02
23 05 66 00-0084	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,696.87	151.09
23 05 66 00-0085	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,802.60	161.17
23 05 66 00-0086		**Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV)** *(23 05 66)* Note: Includes 2 Year Warranty		
23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	1,146.24	130.95
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	1,930.33	130.95
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	2,715.47	130.95
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	1,179.04	141.02
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	1,973.69	141.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	2,769.38	141.02
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	1,209.75	151.09
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	2,017.05	151.09
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	2,823.30	151.09
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,339.36	167.89
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	2,223.70	167.89
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	3,108.04	167.89
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,566.06	184.67
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	2,644.58	184.67
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	3,722.04	184.67

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	579.52
		For Testing Of Unit Without Balancing, Deduct	*-289.76*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	724.11
		For Testing Of Unit Without Balancing, Deduct	*-362.06*
23 05 93 00-0004	EA	Balancing In Line Fan	651.96
		For Testing Of Unit Without Balancing, Deduct	*-325.98*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	144.88
		For Testing Of Unit Without Balancing, Deduct	*-72.44*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	434.61
		For Testing Of Unit Without Balancing, Deduct	*-217.31*
23 05 93 00-0007	EA	Balancing Wall Fan	108.63
		For Testing Of Unit Without Balancing, Deduct	*-54.32*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	578.60
		For Testing Of Unit Without Balancing, Deduct	*-289.30*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	978.45
		For Testing Of Unit Without Balancing, Deduct	*-489.23*
23 05 93 00-0011	EA	Balancing Package A/C Unit	366.92
		For Testing Of Unit Without Balancing, Deduct	*-183.46*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	489.22
		For Testing Of Unit Without Balancing, Deduct	*-244.61*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,712.29
		For Testing Of Unit Without Balancing, Deduct	*-856.15*

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	108.67
		For Testing Of Unit Without Balancing, Deduct	*-54.34*
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	181.10
		For Testing Of Unit Without Balancing, Deduct	*-90.55*
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	94.18
		For Testing Of Unit Without Balancing, Deduct	*-47.09*
23 05 93 00-0018	EA	Balance Variable Air Volume Box	102.03
		For Testing Of Unit Without Balancing, Deduct	*-51.02*
23 05 93 00-0019	EA	Balance Constant Volume Box	102.03
		For Testing Of Unit Without Balancing, Deduct	*-51.02*
23 05 93 00-0020	EA	Balance Fan Powered Box	115.90
		For Testing Of Unit Without Balancing, Deduct	*-57.95*
23 05 93 00-0021	EA	Balance Lab Fume Hood	470.88
		For Testing Of Unit Without Balancing, Deduct	*-235.44*
23 05 93 00-0022	EA	Balance General Hood	362.20
		For Testing Of Unit Without Balancing, Deduct	*-181.10*
23 05 93 00-0023	EA	Balance Induction Unit	217.33
		For Testing Of Unit Without Balancing, Deduct	*-108.67*
23 05 93 00-0024	EA	Balance Moduline - Master	86.90
		For Testing Of Unit Without Balancing, Deduct	*-43.45*
23 05 93 00-0025	EA	Balance Moduline - Slave	43.46
		For Testing Of Unit Without Balancing, Deduct	*-21.73*
23 05 93 00-0026	EA	Balance Dampers	40.36
		For Testing Of Unit Without Balancing, Deduct	*-20.18*
23 05 93 00-0027	EA	Balance Regenerators	578.60
		For Testing Of Unit Without Balancing, Deduct	*-289.30*

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	672.75
		For Testing Of Unit Without Balancing, Deduct	*-336.38*
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	85.62
		For Testing Of Unit Without Balancing, Deduct	*-42.81*
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	733.78
		For Testing Of Unit Without Balancing, Deduct	*-366.89*
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	978.45
		For Testing Of Unit Without Balancing, Deduct	*-489.23*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0033	EA	Water Balance, Cooling Tower	489.22	
		For Testing Of Unit Without Balancing, Deduct	*-244.61*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	122.38	
		For Testing Of Unit Without Balancing, Deduct	*-61.19*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	122.31	
		For Testing Of Unit Without Balancing, Deduct	*-61.16*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	134.53	
		For Testing Of Unit Without Balancing, Deduct	*-67.27*	
23 05 93 00-0037	EA	Water Balance, Pumps	366.93	
		For Testing Of Unit Without Balancing, Deduct	*-183.47*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	85.61	
		For Testing Of Unit Without Balancing, Deduct	*-42.81*	
23 05 93 00-0039	EA	Water Balancing, Converter	367.06	
		For Testing Of Unit Without Balancing, Deduct	*-183.53*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	61.14	
		For Testing Of Unit Without Balancing, Deduct	*-30.57*	
23 05 93 00-0041	EA	Water Balance, Convector	73.37	
		For Testing Of Unit Without Balancing, Deduct	*-36.69*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	91.73	
		For Testing Of Unit Without Balancing, Deduct	*-45.87*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	794.99	
		For Testing Of Unit Without Balancing, Deduct	*-397.50*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,467.68	
		For Testing Of Unit Without Balancing, Deduct	*-733.84*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,690.74	
		For Testing Of Unit Without Balancing, Deduct	*-1,345.37*	

23 05 93 00-0046 Non-Destructive Testing *(23 05 93)*

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0048 Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*

23 05 93 00-0049	EA	Minimum Set-up Charge For X-Ray Welds Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,107.04

23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0047)*

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	100.80
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	114.73
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	128.67
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	135.97
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	143.26
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	151.20
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	165.79
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	180.37
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	188.32
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	198.79

23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0061)*

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	85.11
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	91.75
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	98.39
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	101.71
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	106.69
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	111.67
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	121.63
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	131.59
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	141.56
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	151.52

23 05 93 00-0073 Hydrostatic Testing *(23 05 93 00-0046)*

Note: Includes flushing and restoring of system.

23 05 93 00-0074 Piping, Hydrostatic Testing *(23 05 93 00-0073)*

23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	873.80
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,248.27
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,495.68
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,992.25
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	3,018.55
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,161.80
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,660.20
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,976.43
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,589.90
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,918.07
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,514.11
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	2,158.27
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,276.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,983.03	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	4,512.78	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,965.69	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,802.41	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,960.66	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,883.22	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	5,883.69	
23 05 93 00-0095		Pneumatic Testing *(23 05 93 00-0046)*		
		Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing	992.88	
		Note: Includes soaping joints.		
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	1,417.15	
		Note: Includes soaping joints.		
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,530.00	
		Note: Includes soaping joints.		
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing	1,958.63	
		Note: Includes soaping joints.		
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing	3,062.35	
		Note: Includes soaping joints.		
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing	1,295.61	
		Note: Includes soaping joints.		
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing	1,840.23	
		Note: Includes soaping joints.		
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing	1,988.94	
		Note: Includes soaping joints.		
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing	2,546.89	
		Note: Includes soaping joints.		
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing	3,980.80	
		Note: Includes soaping joints.		
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing	1,560.19	
		Note: Includes soaping joints.		
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing	2,202.39	
		Note: Includes soaping joints.		
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing	2,490.54	
		Note: Includes soaping joints.		
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing	3,180.68	
		Note: Includes soaping joints.		
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing	4,978.73	
		Note: Includes soaping joints.		
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing	2,031.37	
		Note: Includes soaping joints.		
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing	2,863.19	
		Note: Includes soaping joints.		
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing	3,238.47	
		Note: Includes soaping joints.		
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing	4,135.25	
		Note: Includes soaping joints.		
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing	6,481.89	
		Note: Includes soaping joints.		
23 05 93 00-0117		EPA Testing Of Sludge *(23 05 93)*		
23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	1,070.79	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	106.20	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,643.66	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,246.70	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001		FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.		
23 07 13 00-0002		Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*		
23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.26	3.17
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.27*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.13	3.17
		For Plain Blanket, With No Facing, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*1.48*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.95	4.74
		For Plain Blanket, With No Facing, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*1.70*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.21	5.54
		For Plain Blanket, With No Facing, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*1.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	9.66	6.01
		For Plain Blanket, With No Facing, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*2.14*	
23 07 13 00-0008		**Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation** *(23 07 13 00-0001)*		
23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.47	4.74
		For Plain Blanket, With No Facing, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*1.58*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.54	5.54
		For Plain Blanket, With No Facing, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*1.83*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	8.91	6.33
		For Plain Blanket, With No Facing, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*2.16*	
23 07 13 00-0012		**Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation** *(23 07 13 00-0001)*		
23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.37	6.33
		For Plain Blanket, With No Facing, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*1.91*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	10.79	7.12
		For Plain Blanket, With No Facing, Deduct	*-1.41*	
		For Work In Restricted Working Space, Add	*2.18*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	12.58	7.91
		For Plain Blanket, With No Facing, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*2.53*	
23 07 13 00-0016		**3 Lb./CF, FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	14.80	7.11
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*34.25*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*25.34*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*20.90*	
		For Work In Restricted Working Space, Add	*4.22*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	18.84	8.64
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*42.24*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*31.66*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*26.01*	
		For Work In Restricted Working Space, Add	*5.13*	
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	23.38	10.44
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*51.44*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*38.85*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*31.84*	
		For Work In Restricted Working Space, Add	*6.19*	
23 07 13 00-0020		**4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	16.57	7.82
		For Work In Restricted Working Space, Add	*4.64*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	21.28	9.51
		For Work In Restricted Working Space, Add	*5.64*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	27.04	11.48
		For Work In Restricted Working Space, Add	*6.81*	
23 07 13 00-0024		**Sheet Flexible Elastomeric Insulation** *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	11.01	4.27
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	11.74	4.51
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	15.03	4.74
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	17.15	4.98
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	23.28	5.46
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	27.35	5.93
23 07 13 00-0031		**Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.69	4.51
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.20	4.74
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.05	4.98
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.97	5.46
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	34.15	5.93
23 07 13 00-0037		**Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.51	4.51
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.01	4.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	22.36	4.98
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.24	5.46

23 07 16 HVAC Equipment Insulation *(23 07)*

23 07 16 00-0001 Calcium Silicate Block Insulation *(23 07 16)*

23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	21.03	8.54
		For Work In Restricted Working Space, Add	*5.12*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	25.16	9.61
		For Work In Restricted Working Space, Add	*5.77*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	30.16	11.08
		For Work In Restricted Working Space, Add	*6.67*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	35.93	13.01
		For Work In Restricted Working Space, Add	*7.81*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	43.91	16.01
		For Work In Restricted Working Space, Add	*9.61*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0594 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.34	5.20
		For Work In Restricted Working Space, Add	*3.90*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.34	5.20
		For Work In Restricted Working Space, Add	*3.90*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.34	5.28
		For Work In Restricted Working Space, Add	*3.96*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.61	5.35
		For Work In Restricted Working Space, Add	*4.01*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.83	5.43
		For Work In Restricted Working Space, Add	*4.07*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.86	5.58
		For Work In Restricted Working Space, Add	*4.18*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.70	5.80
		For Work In Restricted Working Space, Add	*4.35*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	20.47	5.95
		For Work In Restricted Working Space, Add	*4.46*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	23.00	6.40
		For Work In Restricted Working Space, Add	*4.80*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	25.70	7.23
		For Work In Restricted Working Space, Add	*5.42*	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.13	5.42
		For Work In Restricted Working Space, Add	*4.07*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.21	5.42
		For Work In Restricted Working Space, Add	*4.07*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.44	5.74
		For Work In Restricted Working Space, Add	*4.31*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.10	5.85
		For Work In Restricted Working Space, Add	*4.39*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.77	5.96
		For Work In Restricted Working Space, Add	*4.46*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.19	6.28
		For Work In Restricted Working Space, Add	*4.71*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.06	6.39
		For Work In Restricted Working Space, Add	*4.79*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.92	6.60
		For Work In Restricted Working Space, Add	*4.96*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	26.43	7.15
		For Work In Restricted Working Space, Add	*5.36*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	30.71	8.34
		For Work In Restricted Working Space, Add	*6.26*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	35.07	8.80
		For Work In Restricted Working Space, Add	*6.60*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	43.63	10.53
		For Work In Restricted Working Space, Add	*7.90*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	51.19	12.27
		For Work In Restricted Working Space, Add	*9.20*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	56.80	13.45
		For Work In Restricted Working Space, Add	*10.09*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	68.75	17.12
		For Work In Restricted Working Space, Add	*12.84*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	73.63	17.97
		For Work In Restricted Working Space, Add	*13.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0030		**2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.13	5.95
		For Work In Restricted Working Space, Add	*4.46*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.52	5.95
		For Work In Restricted Working Space, Add	*4.46*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.12	6.03
		For Work In Restricted Working Space, Add	*4.52*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.89	6.10
		For Work In Restricted Working Space, Add	*4.58*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.45	6.18
		For Work In Restricted Working Space, Add	*4.64*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.46	6.40
		For Work In Restricted Working Space, Add	*4.80*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	27.94	6.63
		For Work In Restricted Working Space, Add	*4.97*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.55	6.85
		For Work In Restricted Working Space, Add	*5.15*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	31.27	7.24
		For Work In Restricted Working Space, Add	*5.42*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	38.14	8.67
		For Work In Restricted Working Space, Add	*6.51*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	42.49	9.16
		For Work In Restricted Working Space, Add	*6.87*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	52.02	10.97
		For Work In Restricted Working Space, Add	*8.22*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	60.16	13.13
		For Work In Restricted Working Space, Add	*9.84*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	75.86	18.31
		For Work In Restricted Working Space, Add	*13.74*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	78.93	18.31
		For Work In Restricted Working Space, Add	*13.74*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	84.23	19.23
		For Work In Restricted Working Space, Add	*14.42*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	99.49	21.98
		For Work In Restricted Working Space, Add	*16.49*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	116.79	26.55
		For Work In Restricted Working Space, Add	*19.92*	
23 07 19 00-0049		**2-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.28	6.86
		For Work In Restricted Working Space, Add	*5.15*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.69	6.86
		For Work In Restricted Working Space, Add	*5.15*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.15	6.98
		For Work In Restricted Working Space, Add	*5.23*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.39	7.03
		For Work In Restricted Working Space, Add	*5.27*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.97	7.09
		For Work In Restricted Working Space, Add	*5.31*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	29.14	7.38
		For Work In Restricted Working Space, Add	*5.53*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.13	7.63
		For Work In Restricted Working Space, Add	*5.72*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.80	7.90
		For Work In Restricted Working Space, Add	*5.92*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.11	8.32
		For Work In Restricted Working Space, Add	*6.24*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	45.35	9.46
		For Work In Restricted Working Space, Add	*7.10*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	51.50	10.55
		For Work In Restricted Working Space, Add	*7.91*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	61.10	12.16
		For Work In Restricted Working Space, Add	*9.12*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	72.03	15.12
		For Work In Restricted Working Space, Add	*11.34*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	79.46	16.50
		For Work In Restricted Working Space, Add	*12.38*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	97.48	21.10
		For Work In Restricted Working Space, Add	*15.82*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	102.83	22.15
		For Work In Restricted Working Space, Add	*16.61*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	118.93	25.32
		For Work In Restricted Working Space, Add	*18.99*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	140.54	30.59
		For Work In Restricted Working Space, Add	*22.94*	
23 07 19 00-0068		**3" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.13	7.60
		For Work In Restricted Working Space, Add	*5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.22	7.60
		For Work In Restricted Working Space, Add	*5.70*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.52	7.68
		For Work In Restricted Working Space, Add	*5.76*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.83	7.73
		For Work In Restricted Working Space, Add	*5.80*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	33.15	7.81
		For Work In Restricted Working Space, Add	*5.86*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.30	8.10
		For Work In Restricted Working Space, Add	*6.08*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	37.47	8.38
		For Work In Restricted Working Space, Add	*6.28*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	38.35	8.67
		For Work In Restricted Working Space, Add	*6.51*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	44.19	9.17
		For Work In Restricted Working Space, Add	*6.87*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	51.96	10.40
		For Work In Restricted Working Space, Add	*7.80*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	59.90	11.60
		For Work In Restricted Working Space, Add	*8.70*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	70.77	13.38
		For Work In Restricted Working Space, Add	*10.04*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	82.87	16.63
		For Work In Restricted Working Space, Add	*12.47*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	91.70	18.16
		For Work In Restricted Working Space, Add	*13.62*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	109.16	23.21
		For Work In Restricted Working Space, Add	*17.40*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	117.09	24.36
		For Work In Restricted Working Space, Add	*18.28*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	136.46	27.86
		For Work In Restricted Working Space, Add	*20.90*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	162.08	33.65
		For Work In Restricted Working Space, Add	*25.24*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.65	8.32
		For Work In Restricted Working Space, Add	*6.24*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.84	8.32
		For Work In Restricted Working Space, Add	*6.24*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.97	8.38
		For Work In Restricted Working Space, Add	*6.28*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	41.12	8.43
		For Work In Restricted Working Space, Add	*6.33*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.25	8.54
		For Work In Restricted Working Space, Add	*6.41*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	44.61	8.82
		For Work In Restricted Working Space, Add	*6.62*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	48.01	9.14
		For Work In Restricted Working Space, Add	*6.85*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	49.73	9.47
		For Work In Restricted Working Space, Add	*7.10*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	55.90	10.00
		For Work In Restricted Working Space, Add	*7.50*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	62.55	11.36
		For Work In Restricted Working Space, Add	*8.51*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	75.05	12.64
		For Work In Restricted Working Space, Add	*9.49*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	90.46	14.59
		For Work In Restricted Working Space, Add	*10.95*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	109.97	18.14
		For Work In Restricted Working Space, Add	*13.61*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	116.52	19.81
		For Work In Restricted Working Space, Add	*14.86*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	137.98	25.32
		For Work In Restricted Working Space, Add	*18.99*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	156.12	26.58
		For Work In Restricted Working Space, Add	*19.94*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	170.11	30.40
		For Work In Restricted Working Space, Add	*22.80*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	48.42	9.25
		For Work In Restricted Working Space, Add	*6.94*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	48.46	9.25
		For Work In Restricted Working Space, Add	*6.94*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	48.86	9.41
		For Work In Restricted Working Space, Add	*7.06*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.06	9.52
		For Work In Restricted Working Space, Add	*7.14*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	52.76	9.82
		For Work In Restricted Working Space, Add	*7.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	53.95	10.12
		For Work In Restricted Working Space, Add	*7.59*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	58.18	10.27
		For Work In Restricted Working Space, Add	*7.71*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	59.94	10.65
		For Work In Restricted Working Space, Add	*7.99*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	67.24	11.25
		For Work In Restricted Working Space, Add	*8.43*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	77.55	12.76
		For Work In Restricted Working Space, Add	*9.57*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	91.46	14.23
		For Work In Restricted Working Space, Add	*10.67*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	105.37	16.43
		For Work In Restricted Working Space, Add	*12.33*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	121.61	20.41
		For Work In Restricted Working Space, Add	*15.31*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	129.89	22.30
		For Work In Restricted Working Space, Add	*16.72*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	155.82	28.50
		For Work In Restricted Working Space, Add	*21.38*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	165.28	29.88
		For Work In Restricted Working Space, Add	*22.40*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	184.00	34.19
		For Work In Restricted Working Space, Add	*25.64*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	7.34	
		For Work In Restricted Working Space, Add	*1.47*	

23 08 Commissioning of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	847.15	17.14
23 09 23 11-0003	EA	3/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	875.25	23.10
23 09 23 11-0004	EA	1" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	957.50	27.96
23 09 23 11-0005	EA	1-1/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,044.06	35.41
23 09 23 11-0006	EA	1-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,189.20	40.87
23 09 23 11-0007	EA	2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,343.68	48.30
23 09 23 11-0008	EA	2-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,511.98	96.59
23 09 23 11-0009	EA	3" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,721.85	113.03
23 09 23 11-0010	EA	4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,671.77	166.02
23 09 23 11-0011	EA	5" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,401.60	239.93
23 09 23 11-0012	EA	6" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,983.10	265.63
23 09 23 11-0013	EA	1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	910.23	25.71
23 09 23 11-0014	EA	3/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	936.97	34.65
23 09 23 11-0015	EA	1" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,014.37	41.95
23 09 23 11-0016	EA	1-1/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,123.44	53.13
23 09 23 11-0017	EA	1-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,444.10	61.30
23 09 23 11-0018	EA	2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,601.26	72.45
23 09 23 11-0019	EA	2-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,825.58	144.90
23 09 23 11-0020	EA	3" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,104.21	169.55
23 09 23 11-0021	EA	4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,516.95	249.04
23 09 23 11-0022	EA	5" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,551.89	359.89
23 09 23 11-0023	EA	6" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,283.85	398.45
23 09 23 11-0024	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	145.21	17.14
23 09 23 11-0025	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	171.61	23.10
23 09 23 11-0026	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	216.07	27.96
23 09 23 11-0027	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	178.13	25.71
23 09 23 11-0028	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	208.70	34.65
23 09 23 11-0029	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	260.87	41.95
23 09 23 11-0030	EA	1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	240.44	17.14
23 09 23 11-0031	EA	3/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	285.35	23.10
23 09 23 11-0032	EA	1" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	324.75	27.96
23 09 23 11-0033	EA	1-1/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	422.42	35.41
23 09 23 11-0034	EA	1-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	437.40	40.87
23 09 23 11-0035	EA	2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	556.83	48.30
23 09 23 11-0036	EA	2-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,195.44	96.59
23 09 23 11-0037	EA	3" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,403.50	113.03
23 09 23 11-0038	EA	1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	291.87	25.71
23 09 23 11-0039	EA	3/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	338.06	34.65
23 09 23 11-0040	EA	1" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	436.01	41.95
23 09 23 11-0041	EA	1-1/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	617.97	53.13
23 09 23 11-0042	EA	1-1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	652.01	61.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0043	EA	2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	863.19	72.45
23 09 23 11-0044	EA	2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	707.88	88.54
23 09 23 11-0045	EA	2-1/2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	743.68	96.59
23 09 23 11-0046	EA	3" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	976.26	113.03
23 09 23 11-0047	EA	4" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,492.35	189.74
23 09 23 11-0048	EA	5" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,990.14	239.93
23 09 23 11-0049	EA	6" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,155.94	265.63
23 09 23 11-0050	EA	8" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,287.20	303.58
23 09 23 11-0051	EA	10" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,259.97	371.89
23 09 23 11-0052	EA	12" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,499.72	450.77
23 09 23 11-0053	EA	14" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,225.61	531.27
23 09 23 11-0054	EA	16" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	9,544.32	584.40
23 09 23 11-0055	EA	18" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	11,561.78	649.21
23 09 23 11-0056	EA	2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,305.08	132.82
23 09 23 11-0057	EA	2-1/2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,536.26	144.90
23 09 23 11-0058	EA	3" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,895.68	169.55
23 09 23 11-0059	EA	4" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,438.17	284.60
23 09 23 11-0060	EA	5" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,973.09	359.89
23 09 23 11-0061	EA	6" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,151.25	398.45
23 09 23 11-0062	EA	8" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,489.49	455.41
23 09 23 11-0063	EA	10" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	8,585.97	557.83
23 09 23 11-0064	EA	12" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	10,436.05	676.16
23 09 23 11-0065	EA	14" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	16,262.63	796.90
23 09 23 11-0066	EA	16" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	18,132.60	876.58
23 09 23 11-0067	EA	18" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	27,874.28	973.82

23 09 23 11-0068 Valve Actuators *(23 09 23 11)*

23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	507.52	109.73
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	514.98	109.73
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	632.23	109.73
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	577.00	109.73
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	587.90	109.73
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	659.46	109.73
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	796.45	109.73
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	813.21	109.73
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	853.60	109.73
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	615.12	109.73
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	699.87	109.73
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	624.01	109.73
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	634.93	109.73
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	639.01	109.73
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	713.28	109.73
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	745.31	109.73
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	762.33	109.73
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	758.94	109.73
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	769.84	109.73
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	769.15	109.73
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	839.82	109.73
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	1,018.55	109.73
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	676.48	109.73
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	807.33	109.73
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,833.49	109.73
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,056.98	109.73
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,470.58	109.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,799.69	109.73
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,315.50	109.73
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,906.96	109.73
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	5,267.01	109.73
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	6,431.50	109.73

23 09 23 12 Control Dampers *(23 09 23)*

23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	228.95	44.92
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	257.96	49.26
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	288.39	54.33
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	333.51	63.75
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	377.18	72.44
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	382.14	81.50
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	468.22	90.55
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	559.21	108.67
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	717.07	126.77
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,061.19	144.88
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,937.89	162.99
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,459.55	181.10

23 09 23 12-0014 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	223.05	50.71
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	230.41	54.33
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	240.16	54.33
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	266.69	61.58
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	302.84	61.58
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	328.97	72.44
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	441.82	76.25
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	461.85	79.03
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	490.25	85.21
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	519.19	91.37

23 09 23 12-0025 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0026	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	327.30	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	
23 09 23 12-0027	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	336.01	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	

23 09 23 13 Energy Meters *(23 09 23)*

23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	367.13	10.76
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	277.36	10.76
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	431.83	10.76
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	233.53	10.76
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	233.53	10.76
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	233.53	10.76
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	337.92	10.76
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	208.47	10.76

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,490.62	117.36

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,335.38	139.08
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,209.98	139.08
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,720.37	139.08

23 09 23 16 Gas Instruments *(23 09 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 16-0001		**Gas Sensors** *(23 09 23 16)*		
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,278.69	64.56
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	1,007.59	43.04
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,811.92	64.56
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	986.84	77.48
23 09 23 19		**Moisture Instruments** *(23 09 23)*		
23 09 23 19-0001		**Relative Humidity Sensors** *(23 09 23 19)*		
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	616.76	77.48
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	633.44	77.48
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	718.64	107.60
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	556.15	43.04
23 09 23 21		**Motion Instruments** *(23 09 23)*		
23 09 23 21-0001		**Peco Motion Sensors** *(23 09 23 21)*		
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	203.84	30.26
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	199.87	30.26
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	266.60	30.26
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	237.15	30.26
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	75.32	30.26
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	69.83	30.26
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	126.26	30.26
23 09 23 23		**Pressure Instruments** *(23 09 23)*		
23 09 23 23-0001		**Pressure Sensors** *(23 09 23 23)*		
23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	821.63	90.88
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	732.06	90.88
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	298.62	90.88
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	309.02	90.88
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	329.39	90.88
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	306.01	90.88
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	3,003.28	90.88
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	3,003.28	90.88
23 09 23 23-0010	EA	Magnahelic Gauge	798.38	55.55
23 09 23 23-0011		**Room Pressure Monitoring** *(23 09 23 23)*		
23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,583.73	72.44
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,764.25	72.44
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	458.08	43.47
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	527.67	43.47
23 09 23 27		**Temperature Instruments** *(23 09 23)*		
23 09 23 27-0001		**Air Temperature Sensors** *(23 09 23 27)*		
23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	232.62	77.48
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	322.20	77.48
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	242.93	77.48
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	253.49	77.48
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	257.01	77.48
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	253.54	77.48
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	255.40	77.48
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	273.20	77.48
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	288.75	77.48
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	351.36	107.60
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	363.33	107.60
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	158.20	43.04
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	162.60	43.04
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	151.05	43.04
23 09 23 27-0016		**Water Temperature Sensors** *(23 09 23 27)*		
23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	186.64	83.26
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	426.61	83.26
23 09 23 27-0019		**Peco Thermostats** *(23 09 23 27)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	427.45	20.18
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	381.81	20.18

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	248.83	
23 09 23 53-0004	HR	EMCS Engineering Project Management	248.83	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	262.29	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	215.21	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	225.29	
23 09 23 53-0008	HR	EMCS System Controls Training	235.39	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	242.11	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	208.48	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	201.76	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	176.60	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	176.60	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	176.60	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	151.31	

23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	58.91	

23 09 23 53-0019 Alerton Controls *(23 09 23 53)*

23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	13,169.07	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	17,220.87	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	45,206.39	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	33,647.16	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	88,401.39	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	69,491.71	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	106,652.78	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,852.90	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	39,803.96	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	28,834.85	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	17,135.72	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	10,181.91	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	3,810.31	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	7,211.17	322.81
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	10,720.51	430.41
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	10,572.06	430.41
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	3,621.71	322.81
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	4,491.70	322.81
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	3,354.01	322.81
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	4,292.16	322.81
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	10,824.94	322.81
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	4,530.85	430.41
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	10,089.86	860.84
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	11,994.11	860.84
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,609.62	95.85
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,861.24	322.81
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	3,062.01	322.81
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,368.46	322.81
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,648.32	322.81
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,636.15	322.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	4,242.28	322.81
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	3,136.24	322.81
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	4,792.48	430.41
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	2,082.31	215.21
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	2,001.99	215.21
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,666.56	322.81
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,666.56	322.81
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	3,315.09	322.81
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	6,923.02	430.41
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,782.15	322.81
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	204.83	12.10
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	346.46	12.10
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	920.77	12.10
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	920.77	12.10
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	711.51	12.10
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	224.80	12.10
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	973.10	12.10
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,094.79	12.10
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	4,230.11	322.81
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	4,529.41	322.81
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	4,271.48	322.81
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	11,135.85	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	6,062.14	322.81
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,317.35	179.56
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,071.31	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,229.63	12.10

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	4,834.42	322.81
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	10,415.89	968.44
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	3,174.70	322.81
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	7,106.49	430.41
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	6,982.63	430.41
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	10,992.61	860.84
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	6,177.54	430.41
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	6,370.28	322.81
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	10,249.45	860.84
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	2,049.99	215.21
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,187.26	215.21
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	3,692.58	215.21
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	3,553.24	215.21
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,852.66	322.81
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	19,453.79	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	11,898.33	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	16,558.54	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP) Note: One for every thermostat to be retrofitted.	570.57	13.45
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted.	570.57	13.45
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	570.57	13.45
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	570.57	13.45
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	648.87	13.45
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB)	648.87	13.45
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	648.87	13.45
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB)	648.87	13.45
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	47.02	13.45
		Note: Optional cover.		
		For >50 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-3.73*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM)	5,143.40	13.45
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-256.06*	
		For >2, Deduct	*-511.66*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	493.95	13.45
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-26.72*	
		For >2, Deduct	*-53.38*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	860.95	13.45
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-44.13*	
		For >10, Deduct	*-88.18*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	1,057.48	13.45
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-51.32*	
		For >10, Deduct	*-102.54*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,595.86	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,352.94	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,431.37	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	14,929.19	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,674.29	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,595.86	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,223.31	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,674.29	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,729.00	134.51
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,955.77	

23 09 23 53-0121 EMCS Central Equipment And Controllers *(23 09 23 53-0109)*

23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	9,502.31	538.02
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	7,180.74	538.02
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,247.31	538.02
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	5,247.31	538.02
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,247.31	538.02
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	4,893.74	538.02
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,718.10	269.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,562.12	269.01
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,665.61	269.01
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,562.12	269.01
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,666.63	336.27
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	918.36	134.51
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	984.12	134.51
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,154.69	134.51
23 09 23 53-0136		**Network, VAV And Special Sensors** *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	303.38	43.04
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	411.25	48.42
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	806.97	20.18
23 09 23 53-0140		**Honeywell Controls** *(23 09 23 53)*		
23 09 23 53-0141		**EMCS Central Equipment And Controllers** *(23 09 23 53-0140)*		
23 09 23 53-0142		**EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)*		
		Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)	13,026.73	655.71
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)	8,936.10	655.71
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)	6,862.37	655.71
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)	8,512.57	655.71
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)	6,805.56	655.71
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)	6,805.56	655.71
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)	7,376.28	655.71
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)	7,975.42	655.71
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)	7,376.28	655.71
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)	7,975.42	655.71
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)	7,980.58	655.71
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.)	8,579.72	655.71
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)	7,980.58	655.71
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,579.72	655.71
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,484.16	655.71
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,485.58	655.71
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	11,102.79	655.71
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	13,104.20	655.71
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	11,131.20	655.71
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,945.50	655.71
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,870.96	181.58
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,593.34	121.05
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	2,035.18	227.05
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,108.19	327.93
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,612.94	327.93
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	118.33	40.35
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,008.35	741.50
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,503.95	438.86
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,220.18	868.60
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,715.80	565.97
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,555.82	907.99
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,177.46	680.33
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,782.77	1,044.18
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,374.10	799.09
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,667.94	741.39
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,163.54	438.86
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,945.42	907.99
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,440.89	605.27
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,547.37	753.60
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,032.88	616.04
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,824.85	1,044.16
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,310.23	694.05
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,471.00	1,044.16
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,012.07	667.14
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	5,025.97	1,044.16
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,566.90	781.47
23 09 23 53-0191		**DDC Programmable Controller Assemblies** *(23 09 23 53-0141)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,063.89	802.05
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,553.55	802.05
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,755.68	943.28
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,245.34	943.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,649.26	1,104.69
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,215.29	1,104.69
23 09 23 53-0198		**EMCS Optional DDC Controller Hardware** *(23 09 23 53-0141)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	588.80	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	680.48	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	712.76	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	672.73	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	683.06	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	667.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	574.60	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	499.71	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	732.13	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	654.66	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	723.09	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,535.28	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,909.74	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	954.22	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	940.02	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	460.97	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	524.24	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	968.43	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,035.57	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	648.20	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	648.20	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	648.20	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	648.20	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	114.92	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	216.93	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	213.05	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	652.07	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	96.84	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	652.07	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	600.42	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	600.42	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	632.71	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	632.71	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	910.32	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,074.31	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,282.90	
23 09 23 53-0235		**EMCS Software** *(23 09 23 53-0140)*		
23 09 23 53-0236		**Software Packages And License** *(23 09 23 53-0235)* Note: Includes installation on equipment.		
23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	728.26	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,781.28	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,134.78	
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,842.13	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,492.87	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,850.58	
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,878.53	
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	880.74	
23 09 23 53-0245	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	577.30	
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	37,356.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	34,076.51	
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,971.75	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,679.10	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,798.11	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,798.11	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,368.52	
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,582.47	
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,798.11	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,317.43	
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,798.11	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,915.73	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	86,082.76	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	150,644.51	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,747.41	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,873.70	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	3,055.18	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,362.33	

23 09 23 53-0264 Initial Database Generation *(23 09 23 53-0235)*

23 09 23 53-0265	PNT	Database Generation For Central Plant	90.25	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	90.25	
23 09 23 53-0267	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	90.25	
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	62.82	
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, etc.	62.82	

23 09 23 53-0270 Application Software Programs *(23 09 23 53-0235)*

23 09 23 53-0271	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	125.90	
23 09 23 53-0272	EA	Duty Cycling Program	59.46	
23 09 23 53-0273	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	110.43	

23 09 23 53-0274 Color Graphics Generation *(23 09 23 53-0235)*

Note: Priced per page.

23 09 23 53-0275	EA	Single Site Home Page Graphics Page With HTML Navigation Code	2,256.74	
23 09 23 53-0276	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	4,006.76	
23 09 23 53-0277	EA	Color Graphics Page For Central Plant	1,025.34	
23 09 23 53-0278	EA	Color Graphics Page For Building Floor Plan	946.78	
23 09 23 53-0279	EA	Replication Of Color Graphics Page For Central Plant	514.34	
23 09 23 53-0280	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,153.51	
23 09 23 53-0281	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	246.69	
23 09 23 53-0282	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	1,066.89	
23 09 23 53-0283	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	106.66	

23 09 23 53-0284 Sensors, Actuators And Control Devices *(23 09 23 53-0140)*

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0285 Special Sensors *(23 09 23 53-0284)*

23 09 23 53-0286	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,328.90	83.26
23 09 23 53-0287	EA	Enthalpy Sensor -25 To 125 F	2,430.06	83.26
23 09 23 53-0288	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,101.05	166.52
23 09 23 53-0289	EA	Freezestat (Honeywell L482A1004)	758.39	277.48
23 09 23 53-0290	EA	Wall Mounted Occupancy Sensor	544.40	83.26
23 09 23 53-0291	EA	Ceiling Mounted Occupancy Sensor	432.88	83.26
23 09 23 53-0292	EA	I/P Positioner With Gauge	509.80	83.26
23 09 23 53-0293	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	610.35	83.26
23 09 23 53-0294	EA	EP Transducer	509.80	55.55
23 09 23 53-0295	EA	Electric Heat Sequencer	809.23	110.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0296		**Meters** *(23 09 23 53-0284)*		
23 09 23 53-0297	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	5,199.39	665.80
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,546.83	776.76
23 09 23 53-0299	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,812.28	277.48
23 09 23 53-0300	EA	300 To 800 Amperes, Current Transformer For KW Meter	2,072.91	277.48
23 09 23 53-0301	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,572.75	277.48
23 09 23 53-0302		**Direct Coupled Actuators** *(23 09 23 53-0284)*		
23 09 23 53-0303	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	737.04	119.52
23 09 23 53-0304	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	810.47	119.52
23 09 23 53-0305	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	936.72	119.52
23 09 23 53-0306	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	694.07	119.52
23 09 23 53-0307	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	773.04	119.52
23 09 23 53-0308	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	851.24	119.52
23 09 23 53-0309	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	777.36	119.52
23 09 23 53-0310	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	889.96	119.52
23 09 23 53-0311	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	1,011.49	119.52
23 09 23 53-0312	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	635.49	119.52
23 09 23 53-0313	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	695.45	119.52
23 09 23 53-0314	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	815.90	119.52
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	872.60	119.52
23 09 23 53-0316	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	871.89	119.52
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,027.37	119.52
23 09 23 53-0318	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	660.06	119.52
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,148.51	119.52
23 09 23 53-0320	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	499.38	119.52
23 09 23 53-0321	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	756.81	119.52
23 09 23 53-0322		**Thermostats** *(23 09 23 53-0140)*		
23 09 23 53-0323		**Electric And Electronic Thermostats** *(23 09 23 53-0322)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0324	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	239.85	20.18
23 09 23 53-0325	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	258.46	20.18
23 09 23 53-0326	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	237.78	20.18
23 09 23 53-0327	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	266.11	20.18
23 09 23 53-0328	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	287.40	20.18
23 09 23 53-0329	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	423.86	20.18
23 09 23 53-0330	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	618.20	20.18
23 09 23 53-0331	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	1,002.45	20.18
23 09 23 53-0332	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,069.21	20.18
23 09 23 53-0333		**Pneumatic Thermostats** *(23 09 23 53-0322)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0334	EA	Pneumatic Thermostat (Honeywell TP970B2182)	332.90	20.18
23 09 23 53-0335		**Thermostats Guards** *(23 09 23 53-0322)*		
23 09 23 53-0336	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	80.56	20.18
23 09 23 53-0337	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	96.07	20.18
23 09 23 53-0338	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	90.49	20.18
23 09 23 53-0339		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0340		**Software** *(23 09 23 53-0339)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0341	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,043.76	
23 09 23 53-0342	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	24,886.67	
23 09 23 53-0343	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,231.90	
23 09 23 53-0344	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,865.22	
23 09 23 53-0345	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,301.91	
23 09 23 53-0346	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,242.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0347	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,235.41	
23 09 23 53-0348	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	452.06	
23 09 23 53-0349		**Supervisory Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0350	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	9,261.63	538.02
23 09 23 53-0351	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	14,329.76	538.02
23 09 23 53-0352	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	19,409.13	538.02
23 09 23 53-0353	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	7,309.41	538.02
23 09 23 53-0354		**Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0355	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,076.59	134.51
23 09 23 53-0356	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,414.53	269.01
23 09 23 53-0357	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,851.60	269.01
23 09 23 53-0358	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,189.53	269.01
23 09 23 53-0359	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	882.71	134.51
23 09 23 53-0360	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	968.88	134.51
23 09 23 53-0361	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,098.14	134.51
23 09 23 53-0362	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,115.37	134.51
23 09 23 53-0363	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,277.45	269.01
23 09 23 53-0364	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,092.26	134.51
23 09 23 53-0365	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,583.69	134.51
23 09 23 53-0366		**Master FX Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0367	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,870.21	269.01
23 09 23 53-0368	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	3,074.41	269.01
23 09 23 53-0369	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,175.88	269.01
23 09 23 53-0370	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	3,114.21	269.01
23 09 23 53-0371	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	3,017.84	269.01
23 09 23 53-0372	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	3,033.29	269.01
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	3,017.84	269.01
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	3,074.63	269.01
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,250.98	269.01
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,368.54	269.01
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,309.76	269.01
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,189.43	269.01
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	3,074.63	269.01
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,250.98	269.01
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,368.54	269.01
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,309.76	269.01
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,189.43	269.01
23 09 23 53-0384	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	342.80	67.25
23 09 23 53-0385	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	487.47	67.25
23 09 23 53-0386	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	383.41	67.25
23 09 23 53-0387	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	342.80	67.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0388	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	948.13	67.25
23 09 23 53-0389	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	873.71	67.25
23 09 23 53-0390	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	891.13	67.25
23 09 23 53-0391	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	891.13	67.25
23 09 23 53-0392	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	978.17	67.25
23 09 23 53-0393	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	978.17	67.25
23 09 23 53-0394	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,228.40	67.25
23 09 23 53-0395	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,228.40	67.25
23 09 23 53-0396	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,369.84	67.25
23 09 23 53-0397	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,369.84	67.25
23 09 23 53-0398		**VAV, Network And Special Sensors** *(23 09 23 53-0339)*		
23 09 23 53-0399	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	644.62	43.04
23 09 23 53-0400	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	217.31	43.04
23 09 23 53-0401	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	499.45	43.04
23 09 23 53-0402	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	745.86	43.04
23 09 23 53-0403	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	249.31	43.04
23 09 23 53-0404	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	676.38	43.04
23 09 23 53-0405		**Sensors - Hard Wired Type** *(23 09 23 53-0339)*		
23 09 23 53-0406	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	212.99	77.48
23 09 23 53-0407	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	180.73	43.04
23 09 23 53-0408	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	502.29	20.18
23 09 23 53-0409	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	679.14	20.18
23 09 23 53-0410	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	503.26	20.18
23 09 23 53-0411	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	660.60	43.04
23 09 23 53-0412	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	813.65	43.04
23 09 23 53-0413		**Melink Intelli-Hood IH3 Controls** *(23 09 23 53)*		
23 09 23 53-0414		**Kitchen Ventilation Controllers** *(23 09 23 53-0413)*		
23 09 23 53-0415	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,741.00	538.02
23 09 23 53-0416	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	2,022.97	110.96
23 09 23 53-0417	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,321.79	447.90
23 09 23 53-0418		**Kitchen Ventilation Sensors** *(23 09 23 53-0413)*		
23 09 23 53-0419	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	599.37	77.48
23 09 23 53-0420	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	5,132.23	430.41
23 09 23 53-0421		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0422	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	484.39	20.18
23 09 23 53-0423	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	342.72	20.18
23 09 23 53-0424	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	356.77	90.88
23 09 23 53-0425	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	537.95	90.88
23 09 23 53-0426	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	81.86	13.45
23 09 23 53-0427	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	274.12	134.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0428	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	445.28	23.10
23 09 23 53-0429	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	785.45	41.95
23 09 23 53-0430	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,579.87	41.95
23 09 23 53-0431	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,336.82	53.13
23 09 23 53-0432	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	356.29	77.48
23 09 23 53-0433	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	297.83	43.04
23 09 23 53-0434	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	647.41	63.49
23 09 23 53-0435	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	117.91	6.72
23 09 23 53-0436	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,049.26	129.13
23 09 23 53-0437	EA	MMI Extension Cable (Siemens 545-712)	256.24	6.72
23 09 23 53-0438	EA	Remote Pressure Transmitter (Siemens 547-003)	1,548.90	43.04
23 09 23 53-0439	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	953.57	32.28
23 09 23 53-0440	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	830.26	86.08
23 09 23 53-0441	EA	Door Lock And Key Assembly (Siemens 567-225)	46.33	26.90
23 09 23 53-0442	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	15,690.86	
23 09 23 53-0443	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	571.93	
23 09 23 53-0444	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,468.00	
23 09 23 53-0445	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	523.03	13.95
23 09 23 53-0446	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,100.40	24.17
23 09 23 53-0447	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,297.67	53.81
23 09 23 53-0448	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,131.77	53.81
23 09 23 53-0449	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	190.11	20.18
23 09 23 53-0450	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	485.55	57.95
23 09 23 53-0451	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	517.36	57.95
23 09 23 53-0452	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,552.69	
23 09 23 53-0453	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	919.31	
23 09 23 53-0454	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,958.71	
23 09 23 53-0455	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,118.02	
23 09 23 53-0456	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,820.76	
23 09 23 53-0457	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,382.98	
23 09 23 53-0458	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	857.42	2.69
23 09 23 53-0459	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	956.74	10.76
23 09 23 53-0460	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	485.45	2.69
23 09 23 53-0461	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	486.67	75.32
23 09 23 53-0462	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	843.68	75.32
23 09 23 53-0463	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,181.42	86.08
23 09 23 53-0464	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	44.11	13.45
23 09 23 53-0465	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	847.04	33.63
23 09 23 53-0466	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,357.92	33.63
23 09 23 53-0467	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,035.26	33.63
23 09 23 53-0468	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,573.05	33.63
23 09 23 53-0469	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,600.73	67.25
23 09 23 53-0470	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	5,949.36	67.25
23 09 23 53-0471	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,777.34	67.25
23 09 23 53-0472	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,867.65	67.25
23 09 23 53-0473	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,232.36	67.25
23 09 23 53-0474	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,990.71	67.25
23 09 23 53-0475	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,721.32	67.25
23 09 23 53-0476	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,973.14	67.25
23 09 23 53-0477	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,910.67	67.25
23 09 23 53-0478	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,136.30	67.25
23 09 23 53-0479	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,904.98	67.25
23 09 23 53-0480	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,134.76	67.25
23 09 23 53-0481	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,039.31	67.25
23 09 23 53-0482	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,055.67	67.25
23 09 23 53-0483	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,365.84	
23 09 23 53-0484	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	546.57	33.63
23 09 23 53-0485	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	399.09	33.63
23 09 23 53-0486	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	908.45	26.90
23 09 23 53-0487	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	308.95	33.63
23 09 23 53-0488	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	303.26	43.04
23 09 23 53-0489	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	151.62	33.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0490	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	113.90	33.63
23 09 23 53-0491	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	333.04	67.25
23 09 23 53-0492	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	213.62	50.44
23 09 23 53-0493	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,702.56	433.37
23 09 23 53-0494	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	40.25	13.45
23 09 23 53-0495	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.89	
23 09 23 53-0496	EA	16 Digital Input Module (Siemens TXM1.16D)	678.43	13.45
23 09 23 53-0497	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,026.40	13.45
23 09 23 53-0498	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,647.37	26.90
23 09 23 53-0499	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	503.67	8.07

23 09 23 53-0500 Trane Controls *(23 09 23 53)*

23 09 23 53-0501 Software *(23 09 23 53-0500)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0502	EA	Summit + Building Management Package (Trane 40201152)	7,801.09	
23 09 23 53-0503	EA	Summit Current Version Software (Trane 40201111)	4,413.47	
23 09 23 53-0504	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,061.83	
23 09 23 53-0505	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,386.97	
23 09 23 53-0506	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,091.97	

23 09 23 53-0507 EMCS Central Equipment And Controllers *(23 09 23 53-0500)*

23 09 23 53-0508	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	6,915.47	538.02
23 09 23 53-0509	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,533.11	538.02
23 09 23 53-0510	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	15,533.11	538.02
23 09 23 53-0511	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	13,661.92	538.02
23 09 23 53-0512	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	15,837.54	538.02
23 09 23 53-0513	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	242.83	33.63
23 09 23 53-0514	EA	Summit Comm5 Repeater (Trane 49500457)	1,874.57	269.01
23 09 23 53-0515	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,169.25	336.27
23 09 23 53-0516	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	4,062.80	403.52
23 09 23 53-0517	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,198.14	403.52
23 09 23 53-0518	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,710.31	403.52
23 09 23 53-0519	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,707.62	403.52
23 09 23 53-0520	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,215.38	134.51
23 09 23 53-0521	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,107.90	134.51
23 09 23 53-0522	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	2,000.94	269.01
23 09 23 53-0523	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,911.80	269.01
23 09 23 53-0524	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	1,068.53	134.51
23 09 23 53-0525	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	939.11	134.51
23 09 23 53-0526	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,386.99	134.51
23 09 23 53-0527	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,258.28	134.51
23 09 23 53-0528	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	1,080.05	134.51
23 09 23 53-0529	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	1,030.63	134.51
23 09 23 53-0530	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,182.39	134.51
23 09 23 53-0531	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,080.05	134.51
23 09 23 53-0532	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,513.92	269.01
23 09 23 53-0533	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,641.20	269.01

23 09 23 53-0534 Network, VAV And Special Sensors *(23 09 23 53-0500)*

23 09 23 53-0535	EA	Digital Display Zone Sensor (Trane X13790464010)	254.25	43.04
23 09 23 53-0536	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	170.88	43.04
23 09 23 53-0537	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	156.82	43.04
23 09 23 53-0538	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	312.90	48.42
23 09 23 53-0539	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	190.10	43.04
23 09 23 53-0540	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	190.10	43.04
23 09 23 53-0541	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	656.74	77.48
23 09 23 53-0542	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	598.78	43.04
23 09 23 53-0543	EA	Transformer 120/24 40 VA (Trane X13550284010)	149.79	43.04
23 09 23 53-0544	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	144.76	43.04
23 09 23 53-0545	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	136.73	43.04
23 09 23 53-0546	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,692.78	269.01
23 09 23 53-0547	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,624.11	269.01
23 09 23 53-0548	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,480.82	269.01
23 09 23 53-0549	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,629.87	403.52
23 09 23 53-0550	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,480.82	269.01
23 09 23 53-0551	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,553.50	269.01
23 09 23 53-0552	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,559.17	269.01
23 09 23 53-0553	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	570.65	267.87
23 09 23 53-0554	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	812.56	267.87
23 09 23 53-0555	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,934.22	403.52
23 09 23 53-0556	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,823.73	403.52
23 09 23 53-0557	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	174.90	53.60
23 09 23 53-0558	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	622.25	53.60
23 09 23 53-0559	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	3,002.52	403.52
23 09 23 53-0560	EA	BACnet Term (2 Pack) (Trane X1365152401)	278.73	96.44
23 09 23 53-0561	EA	Tracer ES Add License (Trane X40250125010)	3,612.56	
23 09 23 53-0562	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,470.79	538.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0563	EA	Kit - Tracer TU Complete (Trane X4509151301)	7,154.25	538.02
23 09 23 53-0564	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	704.62	96.44
23 09 23 53-0565	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	408.31	96.44
23 09 23 53-0566	EA	Sensor Wireless Display Sensor (Trane X13790822010)	460.54	96.44
23 09 23 53-0567	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	413.33	96.44
23 09 23 53-0568	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	557.82	96.44
23 09 23 53-0569	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	607.03	96.44
23 09 23 53-0570		Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*		
23 09 23 53-0571		Current Switches And Current Sensors *(23 09 23 53-0570)*		
23 09 23 53-0572	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	159.83	43.04
23 09 23 53-0573	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	165.86	43.04
23 09 23 53-0574	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	254.25	43.04
23 09 23 53-0575	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	151.80	43.04
23 09 23 53-0576	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	459.16	43.04
23 09 23 53-0577	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	294.17	43.04
23 09 23 53-0578	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	225.30	43.04
23 09 23 53-0579	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	225.30	43.04
23 09 23 53-0580	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	5,964.85	215.21
23 09 23 53-0581	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,515.24	43.04
23 09 23 53-0582	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,301.32	43.04
23 09 23 53-0583	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	241.47	43.04
23 09 23 53-0584	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	365.03	114.33
23 09 23 53-0585	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	365.52	114.33
23 09 23 53-0586	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	389.62	114.33
23 09 23 53-0587	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	395.65	114.33
23 09 23 53-0588	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	429.80	114.33
23 09 23 53-0589	EA	Toggle Switch	149.79	53.81
23 09 23 53-0590	EA	Maintained Pushbutton Switch	159.63	53.81
23 09 23 53-0591	EA	Manual Time Switch	252.41	53.81
23 09 23 53-0592	EA	Emergency Stop Switch	418.32	53.81
23 09 23 53-0593	EA	Float Switch	408.74	53.81
23 09 23 53-0594	EA	Break Glass Switch	1,320.54	53.81
23 09 23 53-0595	EA	Boiler E-Stop Switch	821.83	53.81
23 09 23 53-0596		Relays *(23 09 23 53-0570)*		
23 09 23 53-0597	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	132.71	43.04
23 09 23 53-0598	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	145.07	43.04
23 09 23 53-0599	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	204.54	53.81
23 09 23 53-0600	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	255.90	43.04
23 09 23 53-0601	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	123.75	43.04
23 09 23 53-0602	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	121.94	43.04
23 09 23 53-0603	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	132.71	43.04
23 09 23 53-0604	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	138.36	43.04
23 09 23 53-0605	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	139.90	43.04
23 09 23 53-0606	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	152.49	53.81
23 09 23 53-0607	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	202.91	53.81
23 09 23 53-0608	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	358.42	53.81
23 09 23 53-0609	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	356.19	53.81
23 09 23 53-0610		Transformers *(23 09 23 53-0570)*		
23 09 23 53-0611	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	158.51	43.04
23 09 23 53-0612	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	172.53	43.04
23 09 23 53-0613	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	172.53	43.04
23 09 23 53-0614	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	185.22	43.04
23 09 23 53-0615	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	193.04	43.04
23 09 23 53-0616		Power Supplies *(23 09 23 53-0570)*		
23 09 23 53-0617	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	237.40	43.04
23 09 23 53-0618	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	276.31	43.04
23 09 23 53-0619	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	258.77	43.04
23 09 23 53-0620	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	267.07	43.04
23 09 23 53-0621	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	259.67	43.04
23 09 23 53-0622	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	272.05	43.04
23 09 23 53-0623	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	203.95	43.04
23 09 23 53-0624		Control Damper Actuators *(23 09 23 53-0570)*		
23 09 23 53-0625	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	601.38	119.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0626	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	648.38	119.70
23 09 23 53-0627	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	725.38	119.70
23 09 23 53-0628	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	762.18	119.70
23 09 23 53-0629	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	784.01	119.70
23 09 23 53-0630	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	869.86	119.70

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.77	1.10
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.47	1.13
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.50	1.16
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.68	1.20

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.49	1.10
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.66	1.13
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.04	1.16
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.75	1.20

23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.91	1.07
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.82	1.10
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.70	1.16
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.27	1.20

23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.86	1.10
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.53	1.16
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.44	1.20
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.59	1.23
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.45	1.26
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	10.14	1.30

23 09 43 00-0024 Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.83	1.23
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.44	1.26
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.51	1.30

23 09 43 00-0028 Copper Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	6.16	2.37
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	7.52	2.73
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	8.74	3.13
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	10.83	3.61
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	12.30	4.15

23 09 43 00-0034 Brass Couplings *(23 09 43 00-0001)*

See CSI section 22 11 16 00-0383 for copper tubing.

23 09 43 00-0035 Straight Brass Couplings *(23 09 43 00-0034)*

Note: Barb x Barb

23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	12.81	5.98
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	12.95	5.98
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	13.09	5.98

23 09 43 00-0039 Elbow Brass Couplings *(23 09 43 00-0034)*

Note: Barb x Barb

23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	13.59	5.98
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	14.06	5.98

23 09 43 00-0042 Tee Brass Couplings *(23 09 43 00-0034)*

Note: Barb x Barb

23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	20.76	9.30
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	23.79	9.96
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	23.29	9.96

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*

23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.75	2.33
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.42	2.52
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.84	2.73
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	11.07	2.89
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.99	3.03
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.51	3.15
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.27	3.36

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*

23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.38
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.38
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.70
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.70
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.42
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.27
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.27
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.03
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	170.08
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	273.86

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.42
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.70
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.70
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.42
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.42
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.91
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.91

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.99
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.77

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.83
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.43
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.13
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.89
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	155.09
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	300.41
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	497.19

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.37
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.94
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	147.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	251.11	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	269.87	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	309.49	
23 11 23 00-0048		**Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.65	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.02	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.48	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.84	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.65	
23 11 23 00-0054		**Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.39	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.61	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.10	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.97	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.97	
23 11 23 00-0060		**Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.50	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.23	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.55	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	113.97	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	118.25	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	168.28	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	208.06	
23 11 23 00-0068		**Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.13	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.80	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.03	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	142.56	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	147.07	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	200.42	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	251.59	
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.19	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.43	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.39	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.96	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	193.72	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	306.89	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.60	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.75	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.64	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.75	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.07	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.71	
23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.95	24.45
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.55	25.67
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.42	21.40
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	84.37	25.42
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	103.40	30.57
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	129.83	40.83
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.80	25.42
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	101.08	30.57
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.78	25.42
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	104.96	30.57
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	203.53	76.41
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.63	25.42
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.63	25.42
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	129.41	25.42
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	139.59	30.57
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	139.59	30.57
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	159.97	40.83
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	236.44	45.84
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	123.08	25.42
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	301.60	30.57
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	728.16	45.84
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) *(23 11 23)*		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	50.62	18.34
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	55.19	19.56
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	59.59	19.56
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	62.42	20.78
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	65.99	20.78
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	73.76	22.00
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	80.84	22.00
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	87.84	23.23
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	50.62	18.34
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	55.19	19.56
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	59.59	19.56

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23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	62.42	20.78
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	65.99	20.78
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	73.76	22.00
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	80.84	22.00
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	87.84	23.23
23 11 23 00-0135		**3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	50.62	18.34
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	55.19	19.56
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	59.59	19.56
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	62.42	20.78
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	65.99	20.78
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	73.76	22.00
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	80.84	22.00
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	87.84	23.23
23 11 23 00-0144		**3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	50.62	18.34
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	55.19	19.56
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	70.18	19.56
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	62.42	20.78
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	65.99	20.78
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	73.76	22.00
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	80.84	22.00
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	87.84	23.23
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	54.70	18.34
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	60.26	19.56
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	59.59	19.56
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	68.89	20.78
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	65.99	20.78
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	73.76	22.00
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	80.84	22.00
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	87.84	23.23
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	50.62	18.34
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	65.59	19.56
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	62.42	20.78
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	65.99	20.78

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23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	73.76	22.00
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	91.64	22.00
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	87.84	23.23
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	50.62	18.34
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	55.19	19.56
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	59.59	19.56
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	62.42	20.78
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	65.99	20.78
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	73.76	22.00
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	80.84	22.00
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	87.84	23.23
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	50.62	18.34
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	55.19	19.56
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	59.59	19.56
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	62.42	20.78
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	65.99	20.78
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	73.76	22.00
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	80.84	22.00
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	87.84	23.23
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	60.26	19.56
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	59.59	19.56
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	68.89	20.78
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	73.15	20.78
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	82.85	22.00
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	50.62	18.34
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	55.19	19.56
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	55.35	19.56
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	62.42	20.78
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	60.92	20.78
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	75.30	22.00
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	80.84	22.00
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	87.84	23.23

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23 11 23 00-0203		1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	50.62	18.34
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	51.73	19.56
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	53.01	19.56
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	62.42	20.78
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	65.99	20.78
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	67.14	22.00
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	80.84	22.00
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	87.84	23.23
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	50.62	18.34
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	55.19	19.56
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	59.59	19.56
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	62.42	20.78
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	57.39	20.78
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	73.76	22.00
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	80.84	22.00
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	87.84	23.23
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	65.16	18.34
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	69.71	19.56
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	74.10	19.56
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	76.92	20.78
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	80.62	20.78
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	87.94	22.00
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	95.61	22.00
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	102.62	23.23
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	77.39	24.45
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	81.94	25.67
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	86.33	25.67
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	89.15	26.89
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	92.84	26.89
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	100.17	28.12
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	107.83	28.12
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	114.85	29.34

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23 11 23 00-0239			**3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
	23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	77.39	24.45
	23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	81.94	25.67
	23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	86.33	25.67
	23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	89.15	26.89
	23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	92.84	26.89
	23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	100.17	28.12
	23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	107.83	28.12
	23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	114.85	29.34
23 11 23 00-0248			**3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
	23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	89.22	24.45
	23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	93.76	25.67
	23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	98.16	25.67
	23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	100.97	26.89
	23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	104.68	26.89
	23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	112.00	28.12
	23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	119.66	28.12
23 11 23 00-0256			**3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
	23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	89.22	24.45
	23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	93.76	25.67
	23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	98.16	25.67
	23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	104.68	26.89
	23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	112.00	28.12
	23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	119.66	28.12
23 11 23 00-0263			**1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
	23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	89.22	24.45
	23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	93.76	25.67
	23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	98.16	25.67
	23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	100.97	26.89
	23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	104.68	26.89
	23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	112.00	28.12
	23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	119.66	28.12
	23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	126.68	29.34
23 11 23 00-0272			**1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
	23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	74.27	24.45
	23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	78.84	25.67

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23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	83.25	25.67
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	86.04	26.89
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	89.74	26.89
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	97.05	28.12
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	111.70	29.34
23 11 23 00-0280		**1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	87.25	25.67
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	92.59	25.67
23 11 23 00-0283		**Quarter-Turn, Gas Ball Valve** *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	47.29	13.01
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	47.88	13.28
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	68.24	14.61
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	46.93	13.01
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	49.58	13.28
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	54.58	13.28
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	59.86	13.94
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	62.41	13.94
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	62.41	13.94
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	48.83	13.01
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	51.48	13.28
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	63.76	13.94
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	51.73	13.28
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	69.68	14.61
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	48.74	13.01
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	46.68	13.01
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	47.87	13.28
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	65.49	14.61
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	87.70	16.60
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	123.71	17.26
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	146.45	19.92
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	179.89	23.90
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	48.97	13.28
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	65.16	14.61
23 11 23 00-0308		**Gas Stops** *(23 11 23)*		
23 11 23 00-0309		**Brass/Bronze Gas Stops** *(23 11 23 00-0308)*		
		Note: Flat or square head		
23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	60.43	13.28
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	60.49	13.28
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	79.40	14.61
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	111.64	16.60
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	148.51	17.66
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	187.11	20.44
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	259.50	24.16
23 11 23 00-0317		**Iron Body Gas Stops** *(23 11 23 00-0308)*		
23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	81.53	13.28
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	100.10	14.61
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	124.12	16.60
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	160.63	17.66
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	202.34	20.44
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	262.96	24.16
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	510.12	32.64
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	684.64	37.89
23 11 23 00-0326		**Bronze Body Solenoid Valves, 150 PSI Gas** *(23 11 23)*		
23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	208.74	13.28
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	243.37	13.28
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	309.91	14.61
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	464.87	16.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	831.35	20.44
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,414.94	24.16
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,752.93	32.64
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,641.32	37.89

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	24.36	8.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.86*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	29.20	10.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.83*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	38.66	15.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.42*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	45.40	17.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.62*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	52.99	19.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-22.46*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	71.21	22.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.76*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	94.76	27.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.71*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	214.93	34.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-38.64*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	187.26	87.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.59*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	220.99	105.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.31*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	264.60	122.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.44*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	317.77	135.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-149.61*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	383.36	152.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-171.11*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	550.75	190.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-213.89*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	708.54	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,591.42	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	187.68	87.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.59*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	221.12	105.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.31*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	265.00	122.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.54*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	332.27	145.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-160.45*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	383.20	152.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-171.11*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	550.75	190.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-213.89*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,206.38	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,591.42	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	376.55	131.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-147.88*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	465.72	158.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-178.10*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	530.13	183.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-206.32*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	672.30	217.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-240.77*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	790.85	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	994.90	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,594.19	343.59
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-386.37*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,131.73	417.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-469.71*	
23 11 26 00-0039		**Fiberglass Reinforced Plastic Flanged Wyes** *(23 11 26 00-0011)*		
23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	497.98	131.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-147.88*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	639.22	158.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-177.89*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	750.85	183.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-206.30*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	860.25	217.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-240.77*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	946.05	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,240.35	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,903.77	343.59
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-386.37*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,469.20	417.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-469.71*	
23 11 26 00-0048		**Fiberglass Reinforced Plastic Flanged Concentric Reducers** *(23 11 26 00-0011)*		
23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	283.45	87.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.59*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	367.31	105.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.31*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	402.84	122.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.54*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	467.54	145.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-160.45*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	515.86	152.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-171.11*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	686.22	190.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-213.89*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	877.30	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,199.27	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	
23 11 26 00-0057		**Fiberglass Reinforced Plastic Bell x Male Or Female Adapters** *(23 11 26 00-0011)*		
23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	229.19	87.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.59*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	263.67	105.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.31*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	299.31	122.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.54*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	366.13	145.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-160.45*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	416.62	152.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-171.11*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	412.80	190.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-213.89*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	526.82	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	824.61	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	
23 11 26 00-0066		**Fiberglass Reinforced Plastic Nipples** *(23 11 26 00-0011)*		
23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	42.75	10.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.83*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	85.44	21.02
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.60*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	142.12	16.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.15*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	163.90	21.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.99*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	152.74	15.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.12*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	184.11	22.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.66*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	228.55	25.55
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.23*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	272.95	27.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.83*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	145.05	31.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	197.91	45.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-51.29*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	242.67	32.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-36.52*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	364.23	48.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-54.69*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	283.17	33.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-37.67*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	370.84	50.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.50*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	156.23	87.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.59*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	187.92	105.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.31*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	217.36	122.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.54*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	260.91	145.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-160.45*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	288.10	152.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-171.11*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	373.12	190.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-213.89*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	477.35	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	583.77	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	159.33	87.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.59*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	192.02	105.25
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.31*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	217.17	113.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-128.10*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	261.79	135.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-149.72*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	306.09	152.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-171.11*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	378.92	182.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.74*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	505.34	229.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.58*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	695.70	284.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-319.40*	

23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 26)*

23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 26 00-0099)*

23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	134.22	37.77
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	159.95	44.75
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	205.77	66.01
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	287.82	85.58
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	402.29	98.10
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	546.79	116.36
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	698.45	146.81

23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,347.57	467.48
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,707.57	561.12
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,377.97	652.07
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,796.28	811.40
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,356.86	1,014.44
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,602.39	1,220.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	16,816.15	1,511.34
23 11 26 00-0117		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows** *(23 11 26 00-0108)*		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,351.15	467.48
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,701.29	561.12
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,373.04	652.07
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,767.25	811.40
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,314.84	1,014.44
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,545.47	1,221.03
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	16,743.28	1,514.77
23 11 26 00-0125		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees** *(23 11 26 00-0108)*		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,278.67	701.21
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,101.22	845.10
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,633.90	978.60
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,386.79	1,221.60
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,336.55	1,514.77
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	16,141.89	1,830.28
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	22,019.77	2,219.16
23 11 26 00-0133		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes** *(23 11 26 00-0108)*		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,786.33	701.21
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,257.50	844.12
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,374.97	978.60
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,313.85	1,221.60
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,384.12	1,514.77
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	19,985.85	1,830.28
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	26,209.91	2,219.16
23 11 26 00-0141		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers** *(23 11 26 00-0108)*		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,588.16	467.48
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,443.33	561.12
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,702.61	652.07
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,788.95	811.40
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,500.56	1,014.44
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,458.46	1,220.45
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,868.96	1,511.34
23 11 26 00-0149		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,914.37	467.48
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,156.55	561.12
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,417.07	652.07
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,556.77	811.40
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,105.55	1,014.44
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,106.74	1,220.45
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,216.96	1,511.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0157		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples** *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	419.16	56.11
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	837.89	111.98
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,593.33	86.06
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,808.45	113.73
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,734.81	81.11
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,043.79	121.72
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,098.05	146.24
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,461.66	170.43
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,972.94	243.32
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,668.21	173.16
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,005.95	259.40
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,160.24	178.64
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,071.04	267.96
23 11 26 00-0171		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges** *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,486.67	607.55
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,184.38	811.40
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,771.38	971.21
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,839.97	1,220.45
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	5,616.26	1,511.34

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,571.47	354.69
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,658.17	429.30
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,822.21	510.01

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,717.99	354.69
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,813.02	429.30
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,907.84	510.01

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,191.52	198.74
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,396.83	222.60
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,529.48	249.50
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,671.91	281.30
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,321.38	313.10
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,827.24	350.41
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,134.73	392.61
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,807.58	439.08
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,478.98	492.28
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	5,015.21	552.21
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,622.82	618.99

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,281.38	183.46
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,519.09	204.87
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,702.30	214.04
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,930.49	223.21
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,182.59	229.33

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks *(23 13 13 13)*

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,601.17	812.35
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,019.22	812.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,490.69	1,015.37
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,622.44	1,983.27
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	59,931.89	2,549.76
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	66,762.10	2,928.48
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,037.55	3,872.06
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,486.01	4,157.33
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	90,915.41	4,911.37
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	105,293.80	5,664.90
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	134,739.50	6,229.63
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	159,722.76	7,563.77
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	164,973.18	8,027.13
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	202,293.59	12,732.70
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	248,571.80	16,511.18
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	292,899.67	18,891.80
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	376,888.71	20,308.69
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	510,884.83	20,829.48

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,706.54	812.35
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,912.47	1,015.37
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,687.05	1,256.31
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,722.34	1,530.24
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,753.53	1,794.72
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,852.58	2,361.48
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,072.73	3,589.44
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,882.30	4,534.03
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	19,077.42	5,100.78
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	21,451.43	6,045.38
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	27,682.69	7,178.89
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	34,019.52	8,973.61
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	42,903.91	11,996.30
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	64,311.15	14,924.53
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	78,859.81	17,947.22
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	112,535.86	25,976.23
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	160,510.70	33,060.66

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,128.84	812.35
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,035.69	1,015.37
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,429.82	1,227.97
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,748.27	1,794.85
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,034.71	2,361.48
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,166.83	3,589.44
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	26,875.87	4,534.03
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	33,069.25	5,100.78
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,443.25	6,045.38
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	42,923.79	7,178.89
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	59,067.38	8,973.61
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	73,136.24	11,996.30
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	113,089.81	17,947.22

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	3,294.80	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,294.80	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	658.96	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,317.92	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,647.40	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,213.65	159.38
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,302.36	167.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,413.15	179.30
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,619.93	191.26
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,802.93	199.22
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,126.48	239.07
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,851.19	278.91
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,599.90	318.76
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,605.75	358.61
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,133.31	398.45
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,879.86	478.13
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,592.11	557.83
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,324.94	637.52
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,121.65	677.36
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,923.50	717.21
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,833.35	757.05
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,630.06	796.90
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,855.72	956.28
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,789.12	1,035.97
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,050.77	1,195.35
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,317.57	1,354.73
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,463.94	159.38
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,554.36	167.35
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,665.15	179.30
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,870.22	191.26
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,053.22	199.22
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,378.49	239.07
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,127.20	278.91
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,875.91	318.76
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,881.76	358.61
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,409.32	398.45
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,155.86	478.13
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,868.11	557.83
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,600.95	637.52
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,397.66	677.36
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,199.51	717.21
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,111.07	757.05
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,907.78	796.90
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,131.72	956.28
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,065.12	1,035.97
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,326.77	1,195.35
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,593.58	1,354.73
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,411.96	159.38
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,492.10	167.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,565.17	179.30
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,838.81	191.26
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,942.95	199.22
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,256.22	239.07
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,917.50	278.91
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,937.07	318.76
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,552.05	358.61
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,241.93	398.45
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,190.76	478.13
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,769.30	557.83
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,550.13	637.52
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,310.84	677.36
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,311.55	717.21
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,732.82	757.05
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,111.23	796.90
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,863.19	956.28
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,545.74	1,035.97
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,400.55	1,195.35
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,284.51	1,354.73
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,543.41	159.38
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,623.55	167.35
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,696.62	179.30
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,970.26	191.26
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,074.40	199.22
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,387.67	239.07
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,048.95	278.91
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,068.52	318.76
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,758.94	358.61
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,979.08	398.45
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,927.92	478.13
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,508.17	557.83
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,287.29	637.52
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,049.71	677.36
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,048.71	717.21
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,469.97	757.05
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,848.39	796.90
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,600.35	956.28
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,284.62	1,035.97
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,137.71	1,195.35
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	20,021.66	1,354.73
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,175.99	159.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,264.70	167.35
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,339.49	179.30
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,621.70	191.26
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,773.84	199.22
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,059.69	239.07
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,746.68	278.91
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,814.25	318.76
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,451.52	358.61
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,206.54	398.45
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,203.37	478.13
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,728.76	557.83
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,612.46	637.52
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,530.88	677.36
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,454.45	717.21
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,925.43	757.05
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,278.13	796.90
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,107.23	956.28
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,870.36	1,035.97
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,805.74	1,195.35
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,766.84	1,354.73
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,307.45	159.38
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,396.16	167.35
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,470.94	179.30
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,753.15	191.26
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,905.29	199.22
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,187.71	239.07
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,878.13	278.91
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,945.70	318.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,582.97	358.61
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,943.69	398.45
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,940.53	478.13
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,637.35	557.83
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,349.61	637.52
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,268.04	677.36
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,191.61	717.21
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,662.59	757.05
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,017.01	796.90
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,844.39	956.28
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,607.52	1,035.97
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,542.90	1,195.35
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,504.00	1,354.73
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,202.47	159.38
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,301.74	167.35
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,412.19	179.30
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,610.88	191.26
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,128.78	199.22
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,195.19	239.07
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,754.92	278.91
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,402.89	318.76
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,455.92	358.61
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,585.89	398.45
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,705.34	478.13
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,216.05	557.83
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,729.04	637.52
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,481.11	677.36
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,235.44	717.21
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,892.48	757.05
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,556.28	796.90
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,957.89	956.28
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,267.41	1,035.97
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,745.96	1,195.35
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,174.73	1,354.73
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,267.80	167.35
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,378.50	179.30
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,493.96	191.26
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,695.94	199.22
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,295.01	239.07
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,361.42	278.91
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,948.55	318.76
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,628.83	358.61
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,736.68	398.45
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,925.74	438.29
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	7,099.99	517.99
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,631.70	597.67
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,165.81	677.36
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,955.97	717.21
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,748.51	757.05
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,438.37	796.90
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,201.77	876.58
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,666.49	1,035.97
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	14,174.20	1,195.35
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,720.14	1,354.73
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	17,213.52	1,514.11
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,381.24	159.38
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,503.14	167.35

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23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,627.16	179.30
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,871.11	191.26
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,486.32	199.22
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,552.73	239.07
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,193.92	278.91
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,948.25	318.76
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,186.22	358.61
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,572.52	398.45
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,893.36	478.13
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,474.23	557.83
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,059.63	637.52
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,954.26	677.36
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,851.15	717.21
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,614.53	757.05
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,396.02	796.90
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,035.24	956.28
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,584.62	1,035.97
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,300.77	1,195.35
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,967.15	1,354.73
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,456.50	167.35
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,591.08	179.30
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,720.88	191.26
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,970.63	199.22
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,672.42	239.07
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,738.83	278.91
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,411.94	318.76
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,204.49	358.61
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,507.55	398.45
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,967.17	438.29
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,354.02	517.99
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,959.78	597.67
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,570.32	677.36
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,510.96	717.21
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,453.99	757.05
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,256.09	796.90
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	13,143.72	876.58
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,859.24	1,035.97
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,620.14	1,195.35
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,416.89	1,354.73
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	20,161.07	1,514.11

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,426.38	866.23
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,523.81	1,048.58
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,745.85	1,401.59
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,306.06	1,752.00
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,532.82	2,321.05
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	20,427.28	2,389.31
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	29,707.89	2,954.05
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	40,809.08	3,384.79
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	48,645.60	3,692.46
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	56,473.02	4,061.74
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	62,515.67	4,513.00
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	78,084.59	5,802.43
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	106,688.53	6,769.56

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,594.06	1,080.86
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,327.41	1,307.97
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,680.17	1,752.00
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,941.12	2,189.99
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	23,010.63	2,901.28
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	27,841.64	2,901.28
		For 1/4" Thick Shell, Add	*6,681.99*	
		For Fireguard® Tanks, Add	*4,044.88*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	32,791.71	2,986.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	40,385.73	3,332.89
		For 1/4" Thick Shell, Add	*9,692.58*	
		For Fireguard® Tanks, Add	*6,074.98*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	47,979.63	3,679.11
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	53,556.32	3,823.70
		For 1/4" Thick Shell, Add	*12,853.52*	
		For Fireguard® Tanks, Add	*8,197.40*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	66,332.99	4,231.00
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	79,273.59	4,615.65
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	92,162.52	5,077.11
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	102,014.06	5,641.35
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	127,321.64	7,253.07
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	150,985.02	7,857.47
		For Fireguard® Tanks, Add	*23,803.58*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	174,648.43	8,461.89

23 13 23 16-0033 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks *(23 13 23 16)*

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23 16-0034	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,677.21	1,307.97
23 13 23 16-0035	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,570.89	1,445.40
23 13 23 16-0036	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	19,747.45	1,752.00
23 13 23 16-0037	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	23,629.80	2,189.99
23 13 23 16-0038	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	30,197.35	2,901.28

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	5,136.82	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	6,208.28	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	13,520.22	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	14,812.16	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	21,029.98	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	23,560.25	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	31,092.63	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	36,495.32	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	41,456.88	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	50,483.86	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	64,616.80	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	28,657.83	1,756.81
		For Low Profile Tanks, Add	*10,482.59*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	36,058.71	1,983.27
		For Low Profile Tanks, Add	*13,316.54*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	63,802.82	2,361.48
		For Low Profile Tanks, Add	*24,203.10*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	101,309.55	5,194.11
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	115,693.07	5,672.83
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	130,177.80	6,126.24
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	144,635.92	6,647.77
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	159,085.74	7,076.24

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	788.79	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	4,855.33	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,713.47	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	167.48	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	467.21	
23 13 33 00-0008	EA	Manhole Spill Containment	1,323.96	310.03
23 13 33 00-0009	EA	Fill Adapter, 4"	382.00	206.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0010	EA	Fill Cap, 4"	258.99	77.51
23 13 33 00-0011	EA	2" Vent Cap	156.13	51.71
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	518.49	77.51
23 13 33 00-0013	EA	Float Vent Valve	456.95	155.01
23 13 33 00-0014	EA	Vapor Hose Adapter	499.52	103.30
23 13 33 00-0015	EA	Dust Cap	216.71	56.43
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	505.47	88.55
23 13 33 00-0017	EA	10' Wood Gage Stick	44.32	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	182.16	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	246.28	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	85.78	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	113.40	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	173.70	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,098.75	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,985.44	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,349.13	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,560.12	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,806.09	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	4,018.19	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,963.30	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,494.79	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,754.66	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,997.04	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,951.74	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,339.73	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	50.12	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	55.96	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	61.50	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	73.73	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	76.38	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	99.02	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	153.95	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	265.08	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	57.67	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	63.49	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	69.33	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	85.89	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	91.73	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	112.93	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	172.49	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	291.41	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	59.39	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	68.43	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	77.16	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	99.25	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	128.55	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	197.68	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	307.07	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	68.96	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	81.17	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	99.44	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	120.63	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	123.28	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	174.58	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	308.85	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	547.38	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	61.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	78.51	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	81.16	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	83.81	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	115.23	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	144.77	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	249.86	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	285.59	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	350.58	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	403.93	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	465.24	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	585.37	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	759.84	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	839.35	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	256.96	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	257.67	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	374.79	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	382.88	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	514.97	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.55	4.89
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.42*	
		For Work In Restricted Working Space, Add	*5.05*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.54	5.25
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.02*	
		For Work In Restricted Working Space, Add	*5.28*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	27.04	5.75
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.76*	
		For Work In Restricted Working Space, Add	*5.57*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.04	5.99
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.33*	
		For Work In Restricted Working Space, Add	*6.01*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.92	7.09
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.96*	
		For Work In Restricted Working Space, Add	*6.09*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.19	8.55
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.81*	
		For Work In Restricted Working Space, Add	*6.87*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	56.82	10.14
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*15.91*	
		For Work In Restricted Working Space, Add	*8.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	72.00	13.57
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*20.36*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	96.23	15.17
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*28.80*	
		For Work In Restricted Working Space, Add	*10.96*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	143.17	19.39
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*44.58*	
		For Work In Restricted Working Space, Add	*13.06*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	172.52	22.93
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*54.22*	
		For Work In Restricted Working Space, Add	*14.79*	
23 21 13 23-0014		**Threaded Black Steel Pipe And Fittings** *(23 21 13 23-0001)* Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015		**Threaded And Coupled, Black Steel Piping** *(23 21 13 23-0014)* Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.33	3.06
		For Schedule 80 Pipe, Add	*1.59*	
		For Work In Restricted Working Space, Add	*1.85*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.02	4.89
		For Schedule 80 Pipe, Add	*2.37*	
		For Work In Restricted Working Space, Add	*2.22*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.57	5.25
		For Schedule 80 Pipe, Add	*2.90*	
		For Work In Restricted Working Space, Add	*2.37*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	14.78	5.75
		For Schedule 80 Pipe, Add	*3.66*	
		For Work In Restricted Working Space, Add	*2.56*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.41	5.99
		For Schedule 80 Pipe, Add	*4.66*	
		For Work In Restricted Working Space, Add	*2.72*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	20.62	7.09
		For Schedule 80 Pipe, Add	*5.56*	
		For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	25.95	8.55
		For Schedule 80 Pipe, Add	*7.17*	
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	35.95	10.14
		For Schedule 80 Pipe, Add	*10.83*	
		For Work In Restricted Working Space, Add	*4.58*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	47.44	13.57
		For Schedule 80 Pipe, Add	*14.22*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	63.28	15.17
		For Schedule 80 Pipe, Add	*20.49*	
		For Work In Restricted Working Space, Add	*6.85*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	82.79	19.39
		For Schedule 80 Pipe, Add	*27.10*	
		For Work In Restricted Working Space, Add	*8.71*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	105.24	22.93
		For Schedule 80 Pipe, Add	*35.34*	
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	146.65	27.72
		For Schedule 80 Pipe, Add	*51.47*	
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	199.54	33.77
		For Schedule 80 Pipe, Add	*72.05*	
		For Work In Restricted Working Space, Add	*15.21*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	266.68	44.38
		For Schedule 80 Pipe, Add	*96.72*	
		For Work In Restricted Working Space, Add	*19.96*	
23 21 13 23-0031		**Black Malleable Iron 90 Degree Elbows** *(23 21 13 23-0014)*		
23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	31.55	18.10
		For 300 Lb. Rating, Add	*12.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	35.64	21.76
		For 300 Lb. Rating, Add	*9.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*9.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	40.16	24.33
		For 300 Lb. Rating, Add	*11.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	47.12	27.14
		For 300 Lb. Rating, Add	*17.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	56.64	30.81
		For 300 Lb. Rating, Add	*27.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	65.84	34.72
		For 300 Lb. Rating, Add	*36.29*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	89.92	44.13
		For 300 Lb. Rating, Add	*61.18*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	150.89	65.28
		For 300 Lb. Rating, Add	*133.28*	
		For Standard Weight Cast Iron Fittings, Add	*0.85*	
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	206.37	85.82
		For 300 Lb. Rating, Add	*194.18*	
		For Standard Weight Cast Iron Fittings, Add	*1.24*	
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	299.96	88.74
		For 300 Lb. Rating, Add	*408.50*	
		For Standard Weight Cast Iron Fittings, Add	*2.67*	
		For Work In Restricted Working Space, Add	*39.92*	
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	626.51	92.62
		For 300 Lb. Rating, Add	*1,178.67*	
		For Standard Weight Cast Iron Fittings, Add	*7.80*	
		For Work In Restricted Working Space, Add	*41.66*	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	708.48	96.84
		For 300 Lb. Rating, Add	*1,360.63*	
		For Standard Weight Cast Iron Fittings, Add	*9.01*	
		For Work In Restricted Working Space, Add	*43.55*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	35.67	19.93
		For 300 Lb. Rating, Add	*15.69*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	40.51	22.99
		For 300 Lb. Rating, Add	*16.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*10.37*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	40.16	21.28
		For 300 Lb. Rating, Add	*21.90*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.55*	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	46.28	25.79
		For 300 Lb. Rating, Add	*20.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*11.59*	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	44.93	24.45
		For 300 Lb. Rating, Add	*22.02*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*11.00*	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	50.22	22.61
		For 300 Lb. Rating, Add	*41.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*10.19*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	56.30	28.98
		For 300 Lb. Rating, Add	*33.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*13.03*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	55.66	27.51
		For 300 Lb. Rating, Add	*36.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	56.13	26.29
		For 300 Lb. Rating, Add	*42.61*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*11.81*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	67.22	32.76
		For 300 Lb. Rating, Add	*46.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*14.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	64.53	30.93
		For 300 Lb. Rating, Add	*46.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*13.91*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	65.02	29.46
		For 300 Lb. Rating, Add	*52.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*13.28*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	85.35	39.36
		For 300 Lb. Rating, Add	*66.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*17.72*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	85.99	37.41
		For 300 Lb. Rating, Add	*75.10*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*16.83*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	83.30	35.58
		For 300 Lb. Rating, Add	*74.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*16.02*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	82.98	34.23
		For 300 Lb. Rating, Add	*79.13*	
		For Standard Weight Cast Iron Fittings, Add	*0.51*	
		For Work In Restricted Working Space, Add	*15.39*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	154.11	54.65
		For 300 Lb. Rating, Add	*178.12*	
		For Standard Weight Cast Iron Fittings, Add	*1.15*	
		For Work In Restricted Working Space, Add	*24.58*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	151.33	50.00
		For 300 Lb. Rating, Add	*187.90*	
		For Standard Weight Cast Iron Fittings, Add	*1.22*	
		For Work In Restricted Working Space, Add	*22.47*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	248.29	75.55
		For 300 Lb. Rating, Add	*330.94*	
		For Standard Weight Cast Iron Fittings, Add	*2.16*	
		For Work In Restricted Working Space, Add	*33.97*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	214.05	64.92
		For 300 Lb. Rating, Add	*285.85*	
		For Standard Weight Cast Iron Fittings, Add	*1.87*	
		For Work In Restricted Working Space, Add	*29.21*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	357.40	84.41
		For 300 Lb. Rating, Add	*561.56*	
		For Standard Weight Cast Iron Fittings, Add	*3.69*	
		For Work In Restricted Working Space, Add	*37.97*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	33.77	18.10
		For 300 Lb. Rating, Add	*17.49*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	37.62	21.76
		For 300 Lb. Rating, Add	*14.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	42.70	24.33
		For 300 Lb. Rating, Add	*17.09*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	48.57	27.14
		For 300 Lb. Rating, Add	*21.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	59.97	30.81
		For 300 Lb. Rating, Add	*35.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	69.13	34.72
		For 300 Lb. Rating, Add	*44.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	91.95	44.13
		For 300 Lb. Rating, Add	*66.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	172.67	65.28
		For 300 Lb. Rating, Add	*185.56*	
		For Standard Weight Cast Iron Fittings, Add	*1.20*	
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	225.92	85.82
		For 300 Lb. Rating, Add	*241.10*	
		For Standard Weight Cast Iron Fittings, Add	*1.56*	
		For Work In Restricted Working Space, Add	*38.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	323.77	88.74
		For 300 Lb. Rating, Add	*465.64*	
		For Standard Weight Cast Iron Fittings, Add	*3.05*	
		For Work In Restricted Working Space, Add	*39.92*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	892.12	92.62
		For 300 Lb. Rating, Add	*1,816.13*	
		For Standard Weight Cast Iron Fittings, Add	*12.05*	
		For Work In Restricted Working Space, Add	*41.66*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	915.84	96.84
		For 300 Lb. Rating, Add	*1,858.29*	
		For Standard Weight Cast Iron Fittings, Add	*12.33*	
		For Work In Restricted Working Space, Add	*43.55*	
23 21 13 23-0079		**Black Malleable Iron Tees** *(23 21 13 23-0014)*		
23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	40.33	22.37
		For 300 Lb. Rating, Add	*17.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*10.19*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	44.82	27.14
		For 300 Lb. Rating, Add	*12.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	52.85	31.42
		For 300 Lb. Rating, Add	*16.81*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*14.11*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	65.56	37.04
		For 300 Lb. Rating, Add	*27.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	82.26	44.13
		For 300 Lb. Rating, Add	*42.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	98.99	52.57
		For 300 Lb. Rating, Add	*53.02*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	132.09	65.28
		For 300 Lb. Rating, Add	*88.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.55*	
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	202.61	85.82
		For 300 Lb. Rating, Add	*185.15*	
		For Standard Weight Cast Iron Fittings, Add	*1.18*	
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	261.71	101.95
		For 300 Lb. Rating, Add	*270.53*	
		For Standard Weight Cast Iron Fittings, Add	*1.74*	
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	431.32	112.14
		For 300 Lb. Rating, Add	*641.79*	
		For Standard Weight Cast Iron Fittings, Add	*4.21*	
		For Work In Restricted Working Space, Add	*50.43*	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	997.25	133.12
		For 300 Lb. Rating, Add	*1,926.29*	
		For Standard Weight Cast Iron Fittings, Add	*12.76*	
		For Work In Restricted Working Space, Add	*59.89*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,084.14	152.17
		For 300 Lb. Rating, Add	*2,068.09*	
		For Standard Weight Cast Iron Fittings, Add	*13.70*	
		For Work In Restricted Working Space, Add	*68.44*	
23 21 13 23-0092		**Black Malleable Iron Reducing Tees** *(23 21 13 23-0014)*		
23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	47.67	27.14
		For 300 Lb. Rating, Add	*19.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	56.04	31.42
		For 300 Lb. Rating, Add	*24.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*14.11*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	66.95	37.04
		For 300 Lb. Rating, Add	*30.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	88.46	44.13
		For 300 Lb. Rating, Add	*57.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*19.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	103.66	52.57
		For 300 Lb. Rating, Add	*64.23*	
		For Standard Weight Cast Iron Fittings, Add	*0.40*	
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	133.79	65.28
		For 300 Lb. Rating, Add	*92.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.58*	
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	240.83	85.82
		For 300 Lb. Rating, Add	*276.88*	
		For Standard Weight Cast Iron Fittings, Add	*1.79*	
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	281.26	101.95
		For 300 Lb. Rating, Add	*317.45*	
		For Standard Weight Cast Iron Fittings, Add	*2.06*	
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	479.63	112.14
		For 300 Lb. Rating, Add	*757.73*	
		For Standard Weight Cast Iron Fittings, Add	*4.98*	
		For Work In Restricted Working Space, Add	*50.43*	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	922.19	133.12
		For 300 Lb. Rating, Add	*1,746.15*	
		For Standard Weight Cast Iron Fittings, Add	*11.56*	
		For Work In Restricted Working Space, Add	*59.89*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	1,047.70	152.17
		For 300 Lb. Rating, Add	*1,980.63*	
		For Standard Weight Cast Iron Fittings, Add	*13.11*	
		For Work In Restricted Working Space, Add	*68.44*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	32.62	18.10
		For 300 Lb. Rating, Add	*14.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	36.80	21.76
		For 300 Lb. Rating, Add	*12.04*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	41.41	24.33
		For 300 Lb. Rating, Add	*14.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	48.12	27.14
		For 300 Lb. Rating, Add	*20.13*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	55.69	30.81
		For 300 Lb. Rating, Add	*25.69*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	64.92	34.72
		For 300 Lb. Rating, Add	*34.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	85.20	44.13
		For 300 Lb. Rating, Add	*49.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.31*	
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	150.55	65.28
		For 300 Lb. Rating, Add	*132.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	200.00	85.82
		For 300 Lb. Rating, Add	*178.89*	
		For Standard Weight Cast Iron Fittings, Add	*1.14*	
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	276.72	88.74
		For 300 Lb. Rating, Add	*352.72*	
		For Standard Weight Cast Iron Fittings, Add	*2.30*	
		For Work In Restricted Working Space, Add	*39.92*	
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	543.33	92.62
		For 300 Lb. Rating, Add	*979.04*	
		For Standard Weight Cast Iron Fittings, Add	*6.47*	
		For Work In Restricted Working Space, Add	*41.66*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	605.96	96.84
		For 300 Lb. Rating, Add	*1,114.58*	
		For Standard Weight Cast Iron Fittings, Add	*7.37*	
		For Work In Restricted Working Space, Add	*43.55*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	37.82	21.76
		For 300 Lb. Rating, Add	*14.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	42.02	24.33
		For 300 Lb. Rating, Add	*15.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	49.35	27.14
		For 300 Lb. Rating, Add	*23.09*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	57.20	30.81
		For 300 Lb. Rating, Add	*29.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	66.00	34.72
		For 300 Lb. Rating, Add	*36.67*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	86.34	44.13
		For 300 Lb. Rating, Add	*52.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	157.67	65.28
		For 300 Lb. Rating, Add	*149.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.96*	
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	201.46	85.82
		For 300 Lb. Rating, Add	*182.39*	
		For Standard Weight Cast Iron Fittings, Add	*1.16*	
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	278.96	88.74
		For 300 Lb. Rating, Add	*358.10*	
		For Standard Weight Cast Iron Fittings, Add	*2.33*	
		For Work In Restricted Working Space, Add	*39.92*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	466.77	92.62
		For 300 Lb. Rating, Add	*795.29*	
		For Standard Weight Cast Iron Fittings, Add	*5.25*	
		For Work In Restricted Working Space, Add	*41.66*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	566.33	96.84
		For 300 Lb. Rating, Add	*1,019.47*	
		For Standard Weight Cast Iron Fittings, Add	*6.74*	
		For Work In Restricted Working Space, Add	*43.55*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	17.75	9.66
		For 300 Lb. Rating, Add	*8.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*4.40*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	20.57	10.88
		For 300 Lb. Rating, Add	*10.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	23.38	12.11
		For 300 Lb. Rating, Add	*13.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	27.38	13.69
		For 300 Lb. Rating, Add	*17.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*6.23*	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	32.52	15.40
		For 300 Lb. Rating, Add	*23.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	43.04	19.69
		For 300 Lb. Rating, Add	*33.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*8.92*	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	74.54	29.10
		For 300 Lb. Rating, Add	*75.91*	
		For Standard Weight Cast Iron Fittings, Add	*0.49*	
		For Work In Restricted Working Space, Add	*13.20*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	102.94	38.26
		For 300 Lb. Rating, Add	*111.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.72*	
		For Work In Restricted Working Space, Add	*17.37*	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	137.10	39.58
		For 300 Lb. Rating, Add	*188.90*	
		For Standard Weight Cast Iron Fittings, Add	*1.24*	
		For Work In Restricted Working Space, Add	*17.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	246.52	41.29
		For 300 Lb. Rating, Add	*445.42*	
		For Standard Weight Cast Iron Fittings, Add	*2.94*	
		For Work In Restricted Working Space, Add	*18.75*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	402.67	43.12
		For 300 Lb. Rating, Add	*813.54*	
		For Standard Weight Cast Iron Fittings, Add	*5.40*	
		For Work In Restricted Working Space, Add	*19.60*	
23 21 13 23-0141		**Black Malleable Iron Unions** *(23 21 13 23-0014)*		
23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	41.90	18.10
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	54.09	27.14
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	62.36	31.42
		For Work In Restricted Working Space, Add	*14.11*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	75.57	37.04
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	94.76	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	114.62	52.57
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	139.38	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	268.23	96.21
		For Work In Restricted Working Space, Add	*43.31*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	339.07	126.53
		For Work In Restricted Working Space, Add	*56.99*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	46.64	18.10
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	63.09	27.14
		For Work In Restricted Working Space, Add	*12.22*	
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	69.01	31.42
		For Work In Restricted Working Space, Add	*14.11*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	82.55	37.04
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	111.34	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	130.98	52.57
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	164.66	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	353.93	96.21
		For Work In Restricted Working Space, Add	*43.31*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	435.22	126.53
		For Work In Restricted Working Space, Add	*56.99*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	631.18	130.96
		For Work In Restricted Working Space, Add	*58.94*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	58.78	18.10
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	66.32	27.14
		For Work In Restricted Working Space, Add	*12.22*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	75.34	31.42
		For Work In Restricted Working Space, Add	*14.11*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	92.55	37.04
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	126.39	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	142.04	52.57
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	176.04	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	396.62	96.21
		For Work In Restricted Working Space, Add	*43.31*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	516.29	126.53
		For Work In Restricted Working Space, Add	*56.99*	
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,232.21	130.96
		For Work In Restricted Working Space, Add	*58.94*	
23 21 13 23-0171		**Black Steel Nipples** *(23 21 13 23-0014)*		
23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	20.49	11.61
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	20.02	11.61
		For Schedule 80 Nipples, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	20.40	11.61
		For Schedule 80 Nipples, Add	*1.47*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	23.07	12.59
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	25.77	13.57
		For Schedule 80 Nipples, Add	*2.70*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	27.10	13.57
		For Schedule 80 Nipples, Add	*3.37*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	35.45	17.48
		For Schedule 80 Nipples, Add	*4.58*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	61.28	21.76
		For Schedule 80 Nipples, Add	*14.34*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	73.51	26.29
		For Schedule 80 Nipples, Add	*17.04*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	96.95	30.45
		For Schedule 80 Nipples, Add	*25.66*	
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.90	11.61
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.02	11.61
		For Schedule 80 Nipples, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.62	11.61
		For Schedule 80 Nipples, Add	*1.58*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	20.90	11.61
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	20.02	11.61
		For Schedule 80 Nipples, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	20.62	11.61
		For Schedule 80 Nipples, Add	*1.58*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	23.48	12.59
		For Schedule 80 Nipples, Add	*2.34*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	26.50	13.57
		For Schedule 80 Nipples, Add	*3.07*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	27.63	13.57
		For Schedule 80 Nipples, Add	*3.63*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.88	11.61
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.49	11.61
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.03	11.61
		For Schedule 80 Nipples, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.77	12.59
		For Schedule 80 Nipples, Add	*2.48*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	26.88	13.57
		For Schedule 80 Nipples, Add	*3.26*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	28.49	13.57
		For Schedule 80 Nipples, Add	*4.06*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	36.81	17.48
		For Schedule 80 Nipples, Add	*5.26*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	21.88	11.61
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	20.49	11.61
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	21.03	11.61
		For Schedule 80 Nipples, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	23.77	12.59
		For Schedule 80 Nipples, Add	*2.48*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	26.88	13.57
		For Schedule 80 Nipples, Add	*3.26*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	28.49	13.57
		For Schedule 80 Nipples, Add	*4.06*	
		For Work In Restricted Working Space, Add	*6.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	36.81	17.48
		For Schedule 80 Nipples, Add	*5.26*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	62.03	21.76
		For Schedule 80 Nipples, Add	*14.72*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	76.48	26.29
		For Schedule 80 Nipples, Add	*18.53*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.67	11.61
		For Schedule 80 Nipples, Add	*2.61*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.09	11.61
		For Schedule 80 Nipples, Add	*1.82*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.88	11.61
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	24.94	12.59
		For Schedule 80 Nipples, Add	*3.07*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.08	13.57
		For Schedule 80 Nipples, Add	*3.86*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	29.47	13.57
		For Schedule 80 Nipples, Add	*4.55*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	39.02	17.48
		For Schedule 80 Nipples, Add	*6.37*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	67.21	21.76
		For Schedule 80 Nipples, Add	*17.31*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	83.30	26.29
		For Schedule 80 Nipples, Add	*21.94*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	22.67	11.61
		For Schedule 80 Nipples, Add	*2.61*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	21.09	11.61
		For Schedule 80 Nipples, Add	*1.82*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	21.88	11.61
		For Schedule 80 Nipples, Add	*2.21*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	24.94	12.59
		For Schedule 80 Nipples, Add	*3.07*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	28.08	13.57
		For Schedule 80 Nipples, Add	*3.86*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	29.47	13.57
		For Schedule 80 Nipples, Add	*4.55*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	39.02	17.48
		For Schedule 80 Nipples, Add	*6.37*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	67.21	21.76
		For Schedule 80 Nipples, Add	*17.31*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	83.30	26.29
		For Schedule 80 Nipples, Add	*21.94*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	105.00	30.45
		For Schedule 80 Nipples, Add	*29.69*	
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	24.98	11.61
		For Schedule 80 Nipples, Add	*3.76*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.72	11.61
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	23.02	11.61
		For Schedule 80 Nipples, Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	26.07	12.59
		For Schedule 80 Nipples, Add	*3.63*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.59	13.57
		For Schedule 80 Nipples, Add	*4.61*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	31.49	13.57
		For Schedule 80 Nipples, Add	*5.56*	
		For Work In Restricted Working Space, Add	*6.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	40.94	17.48
		For Schedule 80 Nipples, Add	*7.33*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	70.62	21.76
		For Schedule 80 Nipples, Add	*19.01*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	87.81	26.29
		For Schedule 80 Nipples, Add	*24.19*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	113.47	30.45
		For Schedule 80 Nipples, Add	*33.92*	
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	24.98	11.61
		For Schedule 80 Nipples, Add	*3.76*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	21.72	11.61
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	23.02	11.61
		For Schedule 80 Nipples, Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	26.07	12.59
		For Schedule 80 Nipples, Add	*3.63*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	29.59	13.57
		For Schedule 80 Nipples, Add	*4.61*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	31.49	13.57
		For Schedule 80 Nipples, Add	*5.56*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	40.94	17.48
		For Schedule 80 Nipples, Add	*7.33*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	70.62	21.76
		For Schedule 80 Nipples, Add	*19.01*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	87.81	26.29
		For Schedule 80 Nipples, Add	*24.19*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	113.47	30.45
		For Schedule 80 Nipples, Add	*33.92*	
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	25.83	11.61
		For Schedule 80 Nipples, Add	*4.19*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	22.23	11.61
		For Schedule 80 Nipples, Add	*2.39*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	23.78	11.61
		For Schedule 80 Nipples, Add	*3.16*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	27.40	12.59
		For Schedule 80 Nipples, Add	*4.30*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	31.30	13.57
		For Schedule 80 Nipples, Add	*5.47*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	33.13	13.57
		For Schedule 80 Nipples, Add	*6.38*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	43.47	17.48
		For Schedule 80 Nipples, Add	*8.59*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	72.24	21.76
		For Schedule 80 Nipples, Add	*19.82*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	92.01	26.29
		For Schedule 80 Nipples, Add	*26.29*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	118.14	30.45
		For Schedule 80 Nipples, Add	*36.26*	
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	32.15	11.61
		For Schedule 80 Nipples, Add	*7.35*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	26.05	11.61
		For Schedule 80 Nipples, Add	*4.30*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	27.98	11.61
		For Schedule 80 Nipples, Add	*5.26*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	32.86	12.59
		For Schedule 80 Nipples, Add	*7.03*	
		For Work In Restricted Working Space, Add	*5.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	38.02	13.57
		For Schedule 80 Nipples, Add	*8.83*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	40.61	13.57
		For Schedule 80 Nipples, Add	*10.12*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	55.09	17.48
		For Schedule 80 Nipples, Add	*14.40*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	83.04	21.76
		For Schedule 80 Nipples, Add	*25.22*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	110.36	26.29
		For Schedule 80 Nipples, Add	*35.47*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	129.32	30.45
		For Schedule 80 Nipples, Add	*41.85*	
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	33.95	11.61
		For Schedule 80 Nipples, Add	*8.25*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	27.79	11.61
		For Schedule 80 Nipples, Add	*5.17*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	29.68	11.61
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	35.23	12.59
		For Schedule 80 Nipples, Add	*8.21*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	41.53	13.57
		For Schedule 80 Nipples, Add	*10.58*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	44.06	13.57
		For Schedule 80 Nipples, Add	*11.85*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	60.15	17.48
		For Schedule 80 Nipples, Add	*16.93*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	89.26	21.76
		For Schedule 80 Nipples, Add	*28.33*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	119.11	26.29
		For Schedule 80 Nipples, Add	*39.84*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	140.95	30.45
		For Schedule 80 Nipples, Add	*47.66*	
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	36.22	11.61
		For Schedule 80 Nipples, Add	*9.38*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	29.71	11.61
		For Schedule 80 Nipples, Add	*6.13*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	31.04	11.61
		For Schedule 80 Nipples, Add	*6.79*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	37.66	12.59
		For Schedule 80 Nipples, Add	*9.43*	
		For Work In Restricted Working Space, Add	*5.64*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	44.37	13.57
		For Schedule 80 Nipples, Add	*12.00*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	47.66	13.57
		For Schedule 80 Nipples, Add	*13.65*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	65.26	17.48
		For Schedule 80 Nipples, Add	*19.49*	
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	95.64	21.76
		For Schedule 80 Nipples, Add	*31.52*	
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	127.86	26.29
		For Schedule 80 Nipples, Add	*44.22*	
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	157.37	30.45
		For Schedule 80 Nipples, Add	*55.87*	
		For Work In Restricted Working Space, Add	*13.69*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	34.55	19.93
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	38.84	21.40
		For Work In Restricted Working Space, Add	*9.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	41.28	22.99
		For Work In Restricted Working Space, Add	*10.37*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	43.52	22.86
		For Work In Restricted Working Space, Add	*10.27*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	43.61	24.45
		For Work In Restricted Working Space, Add	*11.00*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	45.56	25.79
		For Work In Restricted Working Space, Add	*11.59*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	47.33	24.57
		For Work In Restricted Working Space, Add	*11.08*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	49.31	26.29
		For Work In Restricted Working Space, Add	*11.81*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	50.26	27.51
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	52.40	28.98
		For Work In Restricted Working Space, Add	*13.03*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	53.60	26.65
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	53.64	28.24
		For Work In Restricted Working Space, Add	*12.69*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	55.58	29.46
		For Work In Restricted Working Space, Add	*13.28*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	56.33	30.93
		For Work In Restricted Working Space, Add	*13.91*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	60.43	32.76
		For Work In Restricted Working Space, Add	*14.72*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	66.29	31.30
		For Work In Restricted Working Space, Add	*14.07*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	66.44	32.88
		For Work In Restricted Working Space, Add	*14.80*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	65.76	34.23
		For Work In Restricted Working Space, Add	*15.39*	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	66.97	35.58
		For Work In Restricted Working Space, Add	*16.02*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	69.66	37.41
		For Work In Restricted Working Space, Add	*16.83*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	74.14	39.36
		For Work In Restricted Working Space, Add	*17.72*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	91.78	44.75
		For Work In Restricted Working Space, Add	*20.15*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	93.90	46.21
		For Work In Restricted Working Space, Add	*20.78*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	96.60	47.92
		For Work In Restricted Working Space, Add	*21.59*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	97.86	50.00
		For Work In Restricted Working Space, Add	*22.47*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	104.70	54.65
		For Work In Restricted Working Space, Add	*24.58*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	116.66	55.01
		For Work In Restricted Working Space, Add	*24.78*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	118.79	56.48
		For Work In Restricted Working Space, Add	*25.42*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	121.48	58.31
		For Work In Restricted Working Space, Add	*26.22*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	123.77	60.27
		For Work In Restricted Working Space, Add	*27.11*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	128.60	64.92
		For Work In Restricted Working Space, Add	*29.21*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	144.92	75.55
		For Work In Restricted Working Space, Add	*33.97*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	148.91	55.67
		For Work In Restricted Working Space, Add	*25.07*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	150.89	57.04
		For Work In Restricted Working Space, Add	*25.67*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	153.40	58.74
		For Work In Restricted Working Space, Add	*26.42*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	156.15	60.58
		For Work In Restricted Working Space, Add	*27.24*	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	159.20	64.91
		For Work In Restricted Working Space, Add	*29.21*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	174.00	74.83
		For Work In Restricted Working Space, Add	*33.65*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	188.41	84.41
		For Work In Restricted Working Space, Add	*37.97*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	14.44	7.22
		For Work In Restricted Working Space, Add	*3.26*	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	16.85	8.68
		For Work In Restricted Working Space, Add	*3.91*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	18.40	9.78
		For Work In Restricted Working Space, Add	*4.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	21.08	10.88
		For Work In Restricted Working Space, Add	*4.89*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	24.48	12.35
		For Work In Restricted Working Space, Add	*5.54*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	29.21	13.82
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	38.38	17.60
		For Work In Restricted Working Space, Add	*7.93*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	60.87	26.04
		For Work In Restricted Working Space, Add	*11.74*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	81.34	34.35
		For Work In Restricted Working Space, Add	*15.44*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	115.87	35.47
		For Work In Restricted Working Space, Add	*15.97*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	190.10	37.07
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	224.73	38.68
		For Work In Restricted Working Space, Add	*17.42*	

23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	141.55	48.90
		For Work In Restricted Working Space, Add	*22.01*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	126.26	55.25
		For Work In Restricted Working Space, Add	*24.86*	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	137.68	57.22
		For Work In Restricted Working Space, Add	*25.73*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	141.28	62.23
		For Work In Restricted Working Space, Add	*28.00*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	145.26	64.92
		For Work In Restricted Working Space, Add	*29.22*	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	168.64	75.18
		For Work In Restricted Working Space, Add	*33.80*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	215.10	95.35
		For Work In Restricted Working Space, Add	*42.89*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	279.72	121.72
		For Work In Restricted Working Space, Add	*54.76*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	354.58	144.99
		For Work In Restricted Working Space, Add	*65.18*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	404.88	166.43
		For Work In Restricted Working Space, Add	*74.86*	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	82.07	44.63
		For Work In Restricted Working Space, Add	*20.09*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	89.61	48.90
		For Work In Restricted Working Space, Add	*22.01*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	103.99	55.25
		For Work In Restricted Working Space, Add	*24.86*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	108.36	57.22
		For Work In Restricted Working Space, Add	*25.73*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	117.95	62.23
		For Work In Restricted Working Space, Add	*28.00*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	129.52	64.92
		For Work In Restricted Working Space, Add	*29.22*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	163.03	75.18
		For Work In Restricted Working Space, Add	*33.80*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	206.62	95.35
		For Work In Restricted Working Space, Add	*42.88*	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	290.64	121.72
		For Work In Restricted Working Space, Add	*54.74*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	39.83	
		For Work In Restricted Working Space, Add	*11.95*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	43.81	
		For Work In Restricted Working Space, Add	*13.14*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	47.80	
		For Work In Restricted Working Space, Add	*14.34*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	51.78	
		For Work In Restricted Working Space, Add	*15.53*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	54.44	
		For Work In Restricted Working Space, Add	*16.33*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	57.09	
		For Work In Restricted Working Space, Add	*17.13*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	59.75	
		For Work In Restricted Working Space, Add	*17.93*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	62.40	
		For Work In Restricted Working Space, Add	*18.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	65.06	
		For Work In Restricted Working Space, Add	*19.52*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	70.36	
		For Work In Restricted Working Space, Add	*21.11*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	75.67	
		For Work In Restricted Working Space, Add	*22.70*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	82.31	
		For Work In Restricted Working Space, Add	*24.69*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	87.62	
		For Work In Restricted Working Space, Add	*26.29*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.26	9.31
		For Work In Restricted Working Space, Add	*6.80*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.80	9.93
		For Work In Restricted Working Space, Add	*7.62*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	39.63	10.54
		For Work In Restricted Working Space, Add	*8.74*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	42.75	10.54
		For Work In Restricted Working Space, Add	*9.14*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	49.06	10.54
		For Work In Restricted Working Space, Add	*10.58*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	56.79	10.54
		For Work In Restricted Working Space, Add	*12.27*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	66.84	10.30
		For Work In Restricted Working Space, Add	*12.94*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	87.46	12.44
		For Work In Restricted Working Space, Add	*15.45*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	119.15	18.56
		For Work In Restricted Working Space, Add	*17.78*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	179.78	23.05
		For Work In Restricted Working Space, Add	*26.39*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	238.64	28.81
		For Work In Restricted Working Space, Add	*31.47*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	299.67	34.80
		For Work In Restricted Working Space, Add	*36.36*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	321.44	45.40
		For Work In Restricted Working Space, Add	*40.57*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	370.21	57.62
		For Work In Restricted Working Space, Add	*45.33*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	468.26	71.33
		For Work In Restricted Working Space, Add	*49.74*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	583.44	88.16
		For Work In Restricted Working Space, Add	*56.93*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	717.58	99.92
		For Work In Restricted Working Space, Add	*62.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0393 Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	13.12	4.96
		For Schedule 80 Pipe, Add	*2.13*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	16.65	6.20
		For Schedule 80 Pipe, Add	*2.71*	
		For Work In Restricted Working Space, Add	*3.72*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	21.12	7.45
		For Schedule 80 Pipe, Add	*3.48*	
		For Work In Restricted Working Space, Add	*4.47*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	25.64	8.68
		For Schedule 80 Pipe, Add	*4.26*	
		For Work In Restricted Working Space, Add	*5.21*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	30.48	10.30
		For Schedule 80 Pipe, Add	*5.07*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	34.87	11.66
		For Schedule 80 Pipe, Add	*8.12*	
		For Work In Restricted Working Space, Add	*7.00*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	43.39	12.53
		For Schedule 80 Pipe, Add	*10.80*	
		For Work In Restricted Working Space, Add	*7.52*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	60.39	15.51
		For Schedule 80 Pipe, Add	*15.71*	
		For Work In Restricted Working Space, Add	*9.31*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	87.68	25.13
		For Schedule 80 Pipe, Add	*23.96*	
		For Work In Restricted Working Space, Add	*11.54*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	123.77	24.77
		For Schedule 80 Pipe, Add	*34.65*	
		For Schedule 30 Pipe, Deduct	*-19.80*	
		For Work In Restricted Working Space, Add	*14.87*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	164.74	29.85
		For Schedule 80 Pipe, Add	*47.21*	
		For Schedule 30 Pipe, Deduct	*-26.98*	
		For Work In Restricted Working Space, Add	*17.91*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	211.05	36.07
		For Schedule 80 Pipe, Add	*61.24*	
		For Schedule 30 Pipe, Deduct	*-35.00*	
		For Work In Restricted Working Space, Add	*21.64*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	202.72	38.03
		For Schedule 80 Pipe, Add	*57.64*	
		For Schedule 30 Pipe, Deduct	*-32.94*	
		For Schedule 20 Pipe, Deduct	*-59.54*	
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	223.40	40.91
		For Schedule 80 Pipe, Add	*63.87*	
		For Schedule 30 Pipe, Deduct	*-36.50*	
		For Schedule 20 Pipe, Deduct	*-65.92*	
		For Work In Restricted Working Space, Add	*24.55*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	284.73	44.26
		For Schedule 80 Pipe, Add	*84.17*	
		For Schedule 30 Pipe, Deduct	*-48.10*	
		For Schedule 20 Pipe, Deduct	*-86.38*	
		For Work In Restricted Working Space, Add	*26.55*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	336.42	53.01
		For Schedule 80 Pipe, Add	*99.19*	
		For Work In Restricted Working Space, Add	*31.81*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	419.56	60.97
		For Schedule 80 Pipe, Add	*125.51*	
		For Work In Restricted Working Space, Add	*36.58*	

23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	12.13	3.47
		For Work In Restricted Working Space, Add	*2.09*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.96*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	12.32	3.85
		For Work In Restricted Working Space, Add	*2.27*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.89*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	15.60	4.96
		For Work In Restricted Working Space, Add	*2.98*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.59*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	19.14	6.20
		For Work In Restricted Working Space, Add	*3.72*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.35*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	24.12	7.45
		For Work In Restricted Working Space, Add	*4.47*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	28.16	8.68
		For Work In Restricted Working Space, Add	*5.21*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.60*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	33.45	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*7.85*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	43.91	11.66
		For Work In Restricted Working Space, Add	*7.00*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*15.02*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	50.26	12.53
		For Work In Restricted Working Space, Add	*7.52*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*17.87*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	62.44	15.51
		For Work In Restricted Working Space, Add	*9.31*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*22.25*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	97.00	25.19
		For Work In Restricted Working Space, Add	*11.54*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*38.55*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	137.66	24.77
		For Work In Restricted Working Space, Add	*14.87*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*56.77*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	185.35	29.85
		For Work In Restricted Working Space, Add	*17.91*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*79.32*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	225.98	36.07
		For Work In Restricted Working Space, Add	*21.64*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*96.97*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	265.26	38.03
		For Work In Restricted Working Space, Add	*22.82*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*117.36*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	306.36	40.91
		For Work In Restricted Working Space, Add	*24.55*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*138.02*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	371.78	44.26
		For Work In Restricted Working Space, Add	*26.55*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*171.91*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	448.04	53.01
		For Work In Restricted Working Space, Add	*31.81*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*207.43*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	565.01	60.97
		For Work In Restricted Working Space, Add	*36.58*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*266.41*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	127.64	73.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.80*	
		For Work In Restricted Working Space, Add	*32.85*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	133.38	76.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.91*	
		For Work In Restricted Working Space, Add	*34.57*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	149.51	87.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.06*	
		For Work In Restricted Working Space, Add	*39.41*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	159.88	94.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.08*	
		For Work In Restricted Working Space, Add	*42.52*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	202.51	122.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.40*	
		For Work In Restricted Working Space, Add	*55.31*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	254.65	153.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.20*	
		For Work In Restricted Working Space, Add	*69.14*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	280.31	167.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.70*	
		For Work In Restricted Working Space, Add	*75.42*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	482.35	289.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*99.08*	
		For Work In Restricted Working Space, Add	*130.36*	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	834.75	478.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*175.12*	
		For Work In Restricted Working Space, Add	*215.15*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,154.60	624.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*248.06*	
		For Work In Restricted Working Space, Add	*280.91*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,470.85	713.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*328.89*	
		For Work In Restricted Working Space, Add	*321.04*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,981.23	933.94
		For Schedule 80 Or Extra Heavy Fittings, Add	*447.35*	
		For Work In Restricted Working Space, Add	*420.05*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,441.55	1,103.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*558.68*	
		For Work In Restricted Working Space, Add	*496.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,009.14	1,289.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*699.82*	
		For Work In Restricted Working Space, Add	*579.79*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,540.55	1,437.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*835.89*	
		For Work In Restricted Working Space, Add	*646.51*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,452.83	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,082.13*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,158.36	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,285.33*	
		For Work In Restricted Working Space, Add	*749.09*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	632.08	290.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*143.91*	
		For Work In Restricted Working Space, Add	*130.60*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,093.80	472.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*253.70*	
		For Work In Restricted Working Space, Add	*212.69*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,159.78	472.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*273.49*	
		For Work In Restricted Working Space, Add	*212.69*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,748.17	624.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*426.13*	
		For Work In Restricted Working Space, Add	*280.91*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,905.50	624.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*473.33*	
		For Work In Restricted Working Space, Add	*280.91*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,367.76	713.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*597.97*	
		For Work In Restricted Working Space, Add	*321.04*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,367.76	713.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*597.97*	
		For Work In Restricted Working Space, Add	*321.04*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,836.07	951.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,001.00*	
		For Work In Restricted Working Space, Add	*428.05*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,836.07	951.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,001.00*	
		For Work In Restricted Working Space, Add	*428.05*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,264.02	951.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,129.39*	
		For Work In Restricted Working Space, Add	*428.05*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	119.87	70.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.89*	
		For Work In Restricted Working Space, Add	*31.64*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	123.59	72.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.61*	
		For Work In Restricted Working Space, Add	*32.75*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	139.72	83.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.76*	
		For Work In Restricted Working Space, Add	*37.59*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	149.64	90.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.69*	
		For Work In Restricted Working Space, Add	*40.57*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	189.35	116.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.44*	
		For Work In Restricted Working Space, Add	*52.48*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	236.37	146.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.85*	
		For Work In Restricted Working Space, Add	*65.88*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	272.47	167.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.35*	
		For Work In Restricted Working Space, Add	*75.41*	
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	469.33	289.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*95.19*	
		For Work In Restricted Working Space, Add	*130.32*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	802.19	477.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*165.44*	
		For Work In Restricted Working Space, Add	*214.90*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,095.71	624.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*230.40*	
		For Work In Restricted Working Space, Add	*280.91*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,362.72	713.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*296.45*	
		For Work In Restricted Working Space, Add	*321.04*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,821.82	932.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*399.80*	
		For Work In Restricted Working Space, Add	*419.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,231.51	1,105.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*495.44*	
		For Work In Restricted Working Space, Add	*497.18*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,716.65	1,287.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*612.28*	
		For Work In Restricted Working Space, Add	*579.19*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,164.19	1,435.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*723.24*	
		For Work In Restricted Working Space, Add	*645.77*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,903.30	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*917.27*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,440.17	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,069.87*	
		For Work In Restricted Working Space, Add	*749.09*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	242.02	132.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.76*	
		For Work In Restricted Working Space, Add	*59.55*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	241.95	132.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.75*	
		For Work In Restricted Working Space, Add	*59.53*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	273.20	147.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*58.78*	
		For Work In Restricted Working Space, Add	*66.23*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	300.57	165.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.12*	
		For Work In Restricted Working Space, Add	*74.44*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	377.65	220.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*78.51*	
		For Work In Restricted Working Space, Add	*99.38*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	429.83	248.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*89.87*	
		For Work In Restricted Working Space, Add	*111.66*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	515.40	301.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*107.20*	
		For Work In Restricted Working Space, Add	*135.48*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	741.73	435.60
		For Schedule 80 Or Extra Heavy Fittings, Add	*153.96*	
		For Work In Restricted Working Space, Add	*195.90*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,240.37	719.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*258.83*	
		For Work In Restricted Working Space, Add	*323.66*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,725.89	951.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*367.95*	
		For Work In Restricted Working Space, Add	*428.05*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,166.09	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*475.04*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,902.90	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*646.14*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,723.14	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*854.76*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,478.73	1,998.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,029.00*	
		For Work In Restricted Working Space, Add	*898.90*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,750.70	2,220.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,375.64*	
		For Work In Restricted Working Space, Add	*998.78*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	7,483.81	2,498.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,851.87*	
		For Work In Restricted Working Space, Add	*1,123.63*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	8,593.36	2,690.42
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,154.49*	
		For Work In Restricted Working Space, Add	*1,210.06*	

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	235.81	128.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.55*	
		For Work In Restricted Working Space, Add	*57.69*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	241.95	132.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.75*	
		For Work In Restricted Working Space, Add	*59.53*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	270.42	147.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.95*	
		For Work In Restricted Working Space, Add	*66.23*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	297.79	165.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*63.28*	
		For Work In Restricted Working Space, Add	*74.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	383.94	220.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*80.39*	
		For Work In Restricted Working Space, Add	*99.41*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	429.98	248.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*89.90*	
		For Work In Restricted Working Space, Add	*111.71*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	515.69	301.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*107.29*	
		For Work In Restricted Working Space, Add	*135.48*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	742.14	435.60
		For Schedule 80 Or Extra Heavy Fittings, Add	*154.08*	
		For Work In Restricted Working Space, Add	*195.90*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,241.08	719.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*259.04*	
		For Work In Restricted Working Space, Add	*323.66*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,727.24	951.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*368.36*	
		For Work In Restricted Working Space, Add	*428.05*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,168.38	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*475.73*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,906.36	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*647.18*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,728.72	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*856.44*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,485.48	1,998.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,031.03*	
		For Work In Restricted Working Space, Add	*898.90*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,761.73	2,220.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,378.95*	
		For Work In Restricted Working Space, Add	*998.78*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	7,590.97	2,498.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,884.02*	
		For Work In Restricted Working Space, Add	*1,123.63*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	9,072.01	2,690.42
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,298.08*	
		For Work In Restricted Working Space, Add	*1,210.06*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	147.56	80.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.57*	
		For Work In Restricted Working Space, Add	*36.29*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	159.32	88.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.86*	
		For Work In Restricted Working Space, Add	*39.82*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	156.24	86.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.26*	
		For Work In Restricted Working Space, Add	*38.89*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	173.59	98.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.64*	
		For Work In Restricted Working Space, Add	*44.10*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	164.91	92.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.95*	
		For Work In Restricted Working Space, Add	*41.49*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	161.82	90.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.35*	
		For Work In Restricted Working Space, Add	*40.57*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	191.64	117.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.06*	
		For Work In Restricted Working Space, Add	*52.66*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	196.03	113.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.97*	
		For Work In Restricted Working Space, Add	*50.98*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	187.35	107.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.27*	
		For Work In Restricted Working Space, Add	*48.38*	
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	241.97	148.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.15*	
		For Work In Restricted Working Space, Add	*66.98*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	222.24	133.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.64*	
		For Work In Restricted Working Space, Add	*60.10*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	234.38	129.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.87*	
		For Work In Restricted Working Space, Add	*58.43*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	271.10	167.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.01*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	272.55	167.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.45*	
		For Work In Restricted Working Space, Add	*75.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	275.61	167.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*56.37*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	462.07	290.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*92.91*	
		For Work In Restricted Working Space, Add	*130.60*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	463.52	290.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*93.35*	
		For Work In Restricted Working Space, Add	*130.60*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	467.87	290.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*94.65*	
		For Work In Restricted Working Space, Add	*130.60*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	764.04	472.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*154.77*	
		For Work In Restricted Working Space, Add	*212.69*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	795.29	472.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*164.15*	
		For Work In Restricted Working Space, Add	*212.69*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,149.09	719.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*231.45*	
		For Work In Restricted Working Space, Add	*323.66*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,207.24	719.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*248.89*	
		For Work In Restricted Working Space, Add	*323.66*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,332.65	827.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*269.52*	
		For Work In Restricted Working Space, Add	*372.20*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,402.57	827.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*290.50*	
		For Work In Restricted Working Space, Add	*372.20*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,494.55	827.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*318.09*	
		For Concentric Reducers, Deduct	*-81.24*	
		For Work In Restricted Working Space, Add	*372.20*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,567.64	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*320.76*	
		For Work In Restricted Working Space, Add	*427.23*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,649.31	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*345.26*	
		For Work In Restricted Working Space, Add	*427.23*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,787.38	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*386.68*	
		For Concentric Reducers, Deduct	*-116.24*	
		For Work In Restricted Working Space, Add	*427.24*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,565.33	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*320.07*	
		For Concentric Reducers, Deduct	*-45.19*	
		For Work In Restricted Working Space, Add	*427.24*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,916.56	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*400.18*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,959.57	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*413.09*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,388.38	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*541.73*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,258.03	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*480.77*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,384.65	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*518.76*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,433.94	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*533.55*	
		For Concentric Reducers, Deduct	*-179.59*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,989.22	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*700.13*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,265.53	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*783.02*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,834.37	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*625.59*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,264.71	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*454.69*	
		For Concentric Reducers, Deduct	*-39.83*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,900.90	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*645.54*	
		For Concentric Reducers, Deduct	*-243.41*	
		For Work In Restricted Working Space, Add	*642.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,999.00	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*674.97*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,828.36	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*923.78*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,288.21	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*732.74*	
		For Concentric Reducers, Deduct	*-278.98*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,285.96	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*732.07*	
		For Concentric Reducers, Deduct	*-278.26*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,383.14	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,061.22*	
		For Concentric Reducers, Deduct	*-629.36*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,823.23	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,193.25*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,483.38	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,391.29*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,640.04	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*829.83*	
		For Concentric Reducers, Deduct	*-365.79*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,773.05	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*869.74*	
		For Concentric Reducers, Deduct	*-408.35*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,391.03	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,055.13*	
		For Concentric Reducers, Deduct	*-606.11*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,541.04	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,400.13*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,403.35	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,658.83*	
		For Work In Restricted Working Space, Add	*749.09*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	140.59	80.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.48*	
		For Work In Restricted Working Space, Add	*36.29*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	152.35	88.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.77*	
		For Work In Restricted Working Space, Add	*39.82*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	149.27	86.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.17*	
		For Work In Restricted Working Space, Add	*38.89*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	166.62	98.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.55*	
		For Work In Restricted Working Space, Add	*44.10*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	157.94	92.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.86*	
		For Work In Restricted Working Space, Add	*41.49*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	154.85	90.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.26*	
		For Work In Restricted Working Space, Add	*40.57*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	188.09	117.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.00*	
		For Work In Restricted Working Space, Add	*52.66*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	182.50	113.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.91*	
		For Work In Restricted Working Space, Add	*50.98*	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	178.66	107.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.67*	
		For Work In Restricted Working Space, Add	*48.38*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	239.39	148.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.37*	
		For Work In Restricted Working Space, Add	*66.98*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	220.79	133.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.20*	
		For Work In Restricted Working Space, Add	*60.10*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	222.13	129.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*46.19*	
		For Work In Restricted Working Space, Add	*58.43*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	263.69	167.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.79*	
		For Work In Restricted Working Space, Add	*75.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	264.66	167.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.08*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	266.75	167.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.71*	
		For Work In Restricted Working Space, Add	*75.19*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	452.08	290.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*89.91*	
		For Work In Restricted Working Space, Add	*130.60*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	455.79	290.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*91.03*	
		For Work In Restricted Working Space, Add	*130.60*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	455.79	290.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*91.03*	
		For Work In Restricted Working Space, Add	*130.60*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	744.07	472.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*148.78*	
		For Work In Restricted Working Space, Add	*212.69*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	751.48	472.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*151.00*	
		For Work In Restricted Working Space, Add	*212.69*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,124.92	719.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*224.20*	
		For Work In Restricted Working Space, Add	*323.66*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,138.13	719.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*228.16*	
		For Work In Restricted Working Space, Add	*323.66*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,330.08	827.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*268.75*	
		For Work In Restricted Working Space, Add	*372.20*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,324.60	827.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*267.11*	
		For Work In Restricted Working Space, Add	*372.20*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,393.55	827.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*287.79*	
		For Work In Restricted Working Space, Add	*372.20*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,534.62	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*310.85*	
		For Work In Restricted Working Space, Add	*427.23*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,551.17	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*315.82*	
		For Work In Restricted Working Space, Add	*427.23*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,557.17	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*317.62*	
		For Work In Restricted Working Space, Add	*427.23*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,732.92	949.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*370.34*	
		For Work In Restricted Working Space, Add	*427.23*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,830.86	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*374.47*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,892.24	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*392.89*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,945.56	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*408.88*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,151.63	1,110.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*470.70*	
		For Work In Restricted Working Space, Add	*499.39*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,163.63	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*452.45*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,163.63	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*452.45*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,194.24	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*461.64*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,295.89	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*492.13*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,716.85	1,249.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*618.42*	
		For Work In Restricted Working Space, Add	*561.81*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,458.07	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*512.70*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,536.52	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*536.23*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,569.38	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*546.09*	
		For Work In Restricted Working Space, Add	*642.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,658.78	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*572.91*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,686.18	1,427.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*881.13*	
		For Work In Restricted Working Space, Add	*642.07*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,961.85	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*634.83*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,961.85	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*634.83*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,984.24	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*641.55*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,116.82	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*681.32*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,347.49	1,611.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*750.53*	
		For Work In Restricted Working Space, Add	*724.92*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,113.92	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*672.00*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,127.93	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*676.20*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,155.32	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*684.42*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,789.37	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*874.63*	
		For Work In Restricted Working Space, Add	*749.09*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,914.53	1,665.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*912.18*	
		For Work In Restricted Working Space, Add	*749.09*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	71.25	41.44
		For Schedule 80 Fittings, Add	*13.62*	
		For Work In Restricted Working Space, Add	*18.61*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	78.04	45.53
		For Schedule 80 Fittings, Add	*14.88*	
		For Work In Restricted Working Space, Add	*20.47*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	81.09	47.15
		For Schedule 80 Fittings, Add	*15.49*	
		For Work In Restricted Working Space, Add	*21.22*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	101.48	60.42
		For Schedule 80 Fittings, Add	*19.12*	
		For Work In Restricted Working Space, Add	*27.18*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	120.59	72.83
		For Schedule 80 Fittings, Add	*22.53*	
		For Work In Restricted Working Space, Add	*32.75*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	140.94	83.99
		For Schedule 80 Fittings, Add	*26.54*	
		For Work In Restricted Working Space, Add	*37.79*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	237.60	145.16
		For Schedule 80 Fittings, Add	*44.07*	
		For Work In Restricted Working Space, Add	*65.30*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	397.48	239.82
		For Schedule 80 Fittings, Add	*74.29*	
		For Work In Restricted Working Space, Add	*107.89*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	560.85	336.22
		For Schedule 80 Fittings, Add	*105.25*	
		For Work In Restricted Working Space, Add	*151.21*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	735.94	424.44
		For Schedule 80 Fittings, Add	*141.25*	
		For Work In Restricted Working Space, Add	*190.87*	
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	821.47	464.78
		For Schedule 80 Fittings, Add	*159.34*	
		For Work In Restricted Working Space, Add	*209.05*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,066.64	555.13
		For Schedule 80 Fittings, Add	*215.95*	
		For Work In Restricted Working Space, Add	*249.70*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,238.74	644.67
		For Schedule 80 Fittings, Add	*250.80*	
		For Work In Restricted Working Space, Add	*289.97*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,383.16	713.81
		For Schedule 80 Fittings, Add	*281.18*	
		For Work In Restricted Working Space, Add	*321.04*	

23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	179.06	93.55
		For 300 Lb. Rating, Add	*41.89*	
		For Work In Restricted Working Space, Add	*42.08*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	213.82	116.75
		For 300 Lb. Rating, Add	*45.54*	
		For Work In Restricted Working Space, Add	*52.50*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	238.96	133.50
		For 300 Lb. Rating, Add	*48.21*	
		For Work In Restricted Working Space, Add	*60.03*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	313.47	176.05
		For 300 Lb. Rating, Add	*62.37*	
		For Work In Restricted Working Space, Add	*79.19*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	476.38	267.00
		For 300 Lb. Rating, Add	*95.34*	
		For Work In Restricted Working Space, Add	*120.07*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	524.18	270.13
		For 300 Lb. Rating, Add	*126.00*	
		For Work In Restricted Working Space, Add	*121.47*	
23 21 13 23-0644	EA	10" , 150 Lb., Welded Plain End Black Steel Neck Flange	682.12	338.70
		For 300 Lb. Rating, Add	*175.31*	
		For Work In Restricted Working Space, Add	*152.36*	
23 21 13 23-0645	EA	12" , 150 Lb., Welded Plain End Black Steel Neck Flange	830.33	384.34
		For 300 Lb. Rating, Add	*238.38*	
		For Work In Restricted Working Space, Add	*172.87*	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,082.57	464.78
		For 300 Lb. Rating, Add	*343.19*	
		For Work In Restricted Working Space, Add	*209.05*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,412.51	540.15
		For 300 Lb. Rating, Add	*506.91*	
		For Work In Restricted Working Space, Add	*242.95*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,744.68	605.61
		For 300 Lb. Rating, Add	*681.03*	
		For Work In Restricted Working Space, Add	*272.39*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	2,212.16	768.68
		For 300 Lb. Rating, Add	*862.81*	
		For Work In Restricted Working Space, Add	*345.73*	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,506.86	832.75
		For 300 Lb. Rating, Add	*1,011.96*	
		For Work In Restricted Working Space, Add	*374.54*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	129.00	93.55
		For 300 Lb. Rating, Add	*27.33*	
		For Work In Restricted Working Space, Add	*33.50*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	158.73	116.75
		For 300 Lb. Rating, Add	*34.36*	
		For Work In Restricted Working Space, Add	*40.94*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	187.49	133.50
		For 300 Lb. Rating, Add	*40.52*	
		For Work In Restricted Working Space, Add	*48.39*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	246.66	176.05
		For 300 Lb. Rating, Add	*54.32*	
		For Work In Restricted Working Space, Add	*63.27*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	365.19	267.00
		For 300 Lb. Rating, Add	*82.09*	
		For Work In Restricted Working Space, Add	*93.05*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	452.48	270.13
		For 300 Lb. Rating, Add	*114.05*	
		For Work In Restricted Working Space, Add	*110.63*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	605.48	338.70
		For 300 Lb. Rating, Add	*178.45*	
		For Work In Restricted Working Space, Add	*138.29*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	781.15	384.34
		For 300 Lb. Rating, Add	*263.26*	
		For Work In Restricted Working Space, Add	*165.95*	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	978.45	464.78
		For 300 Lb. Rating, Add	*367.54*	
		For Work In Restricted Working Space, Add	*193.61*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,162.99	540.15
		For 300 Lb. Rating, Add	*478.66*	
		For Work In Restricted Working Space, Add	*214.35*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,286.51	605.61
		For 300 Lb. Rating, Add	*534.85*	
		For Work In Restricted Working Space, Add	*235.10*	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,424.37	768.68
		For 300 Lb. Rating, Add	*603.96*	
		For Work In Restricted Working Space, Add	*255.84*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,633.30	832.75
		For 300 Lb. Rating, Add	*682.05*	
		For Work In Restricted Working Space, Add	*297.33*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	88.31	33.20
		For 300 Lb. Rating, Add	*24.49*	
		For 600 Lb. Rating, Add	*62.52*	
		For Work In Restricted Working Space, Add	*19.92*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	115.20	39.84
		For 300 Lb. Rating, Add	*36.78*	
		For 600 Lb. Rating, Add	*97.18*	
		For Work In Restricted Working Space, Add	*23.91*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	142.99	53.13
		For 300 Lb. Rating, Add	*40.55*	
		For 600 Lb. Rating, Add	*104.11*	
		For Work In Restricted Working Space, Add	*31.88*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	183.45	66.41
		For 300 Lb. Rating, Add	*54.45*	
		For 600 Lb. Rating, Add	*141.44*	
		For Work In Restricted Working Space, Add	*39.85*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	249.39	86.33
		For 300 Lb. Rating, Add	*79.51*	
		For 600 Lb. Rating, Add	*210.05*	
		For Work In Restricted Working Space, Add	*51.80*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	320.93	99.61
		For 300 Lb. Rating, Add	*118.29*	
		For 600 Lb. Rating, Add	*321.99*	
		For Work In Restricted Working Space, Add	*59.77*	
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	476.74	119.54
		For 300 Lb. Rating, Add	*215.24*	
		For 600 Lb. Rating, Add	*606.27*	
		For Work In Restricted Working Space, Add	*71.72*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	615.30	139.46
		For 300 Lb. Rating, Add	*298.40*	
		For 600 Lb. Rating, Add	*849.17*	
		For Work In Restricted Working Space, Add	*83.67*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	1,011.37	159.38
		For 300 Lb. Rating, Add	*587.56*	
		For Work In Restricted Working Space, Add	*95.63*	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,088.66	179.30
		For 300 Lb. Rating, Add	*621.69*	
		For Work In Restricted Working Space, Add	*107.58*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,231.22	219.15
		For 300 Lb. Rating, Add	*680.36*	
		For Work In Restricted Working Space, Add	*131.49*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,563.80	239.07
		For 300 Lb. Rating, Add	*918.73*	
		For Work In Restricted Working Space, Add	*143.44*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,112.13	278.91
		For 300 Lb. Rating, Add	*1,302.01*	
		For Work In Restricted Working Space, Add	*167.35*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	85.07	
		For Work In Restricted Working Space, Add	*23.45*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	90.00	
		For Work In Restricted Working Space, Add	*24.57*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	95.95	
		For Work In Restricted Working Space, Add	*26.06*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	105.95	
		For Work In Restricted Working Space, Add	*27.92*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	119.01	
		For Work In Restricted Working Space, Add	*31.64*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	153.98	
		For Work In Restricted Working Space, Add	*41.36*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	235.79	
		For Work In Restricted Working Space, Add	*53.17*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	325.58	
		For Work In Restricted Working Space, Add	*74.44*	
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	431.21	
		For Work In Restricted Working Space, Add	*93.05*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	97.90	
		For Work In Restricted Working Space, Add	*27.06*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	103.58	
		For Work In Restricted Working Space, Add	*28.36*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	109.39	
		For Work In Restricted Working Space, Add	*29.78*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	124.67	
		For Work In Restricted Working Space, Add	*33.09*	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	139.17	
		For Work In Restricted Working Space, Add	*37.22*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	185.75	
		For Work In Restricted Working Space, Add	*49.61*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	263.75	
		For Work In Restricted Working Space, Add	*59.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	346.85	
		For Work In Restricted Working Space, Add	*78.16*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	465.78	
		For Work In Restricted Working Space, Add	*99.27*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	675.18	
		For Work In Restricted Working Space, Add	*148.88*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	1,000.20	
		For Work In Restricted Working Space, Add	*198.50*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,244.85	
		For Work In Restricted Working Space, Add	*229.05*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,816.61	
		For Work In Restricted Working Space, Add	*270.70*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	115.14	
		For Work In Restricted Working Space, Add	*32.34*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	121.64	
		For Work In Restricted Working Space, Add	*33.91*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	129.50	
		For Work In Restricted Working Space, Add	*35.96*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	142.09	
		For Work In Restricted Working Space, Add	*38.52*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	159.90	
		For Work In Restricted Working Space, Add	*43.66*	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	208.14	
		For Work In Restricted Working Space, Add	*57.06*	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	306.63	
		For Work In Restricted Working Space, Add	*73.36*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	424.58	
		For Work In Restricted Working Space, Add	*102.73*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	556.41	
		For Work In Restricted Working Space, Add	*128.41*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	13.83	
		For Zinc Plated, Add	*3.87*	
		For Hot Dip Galvanized, Add	*5.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.68*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	17.51	
		For Zinc Plated, Add	*4.90*	
		For Hot Dip Galvanized, Add	*7.00*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.26*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	17.72	
		For Zinc Plated, Add	*4.96*	
		For Hot Dip Galvanized, Add	*7.09*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.40*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	17.82	
		For Zinc Plated, Add	*4.99*	
		For Hot Dip Galvanized, Add	*7.13*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.47*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	41.23	
		For Zinc Plated, Add	*11.54*	
		For Hot Dip Galvanized, Add	*16.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.86*	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	56.32	
		For Zinc Plated, Add	*15.77*	
		For Hot Dip Galvanized, Add	*22.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*39.42*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	63.71	
		For Zinc Plated, Add	*17.84*	
		For Hot Dip Galvanized, Add	*25.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.60*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	70.64	
		For Zinc Plated, Add	*19.78*	
		For Hot Dip Galvanized, Add	*28.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.45*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	153.19	
		For Zinc Plated, Add	*42.89*	
		For Hot Dip Galvanized, Add	*61.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*107.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	158.11	
		For Zinc Plated, Add	*44.27*	
		For Hot Dip Galvanized, Add	*63.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*110.68*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	177.56	
		For Zinc Plated, Add	*49.72*	
		For Hot Dip Galvanized, Add	*71.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*124.29*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	290.66	
		For Zinc Plated, Add	*81.38*	
		For Hot Dip Galvanized, Add	*116.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*203.46*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	415.15	
		For Zinc Plated, Add	*116.24*	
		For Hot Dip Galvanized, Add	*166.06*	
		For Advanced Fluoropolymer (Blue Coating), Add	*290.61*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	524.93	
		For Zinc Plated, Add	*146.98*	
		For Hot Dip Galvanized, Add	*209.97*	
		For Advanced Fluoropolymer (Blue Coating), Add	*367.45*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	744.41	
		For Zinc Plated, Add	*208.43*	
		For Hot Dip Galvanized, Add	*297.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*521.09*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.	1,173.76	
		For Zinc Plated, Add	*328.65*	
		For Hot Dip Galvanized, Add	*469.50*	
		For Advanced Fluoropolymer (Blue Coating), Add	*821.63*	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.	1,628.17	
		For Zinc Plated, Add	*455.89*	
		For Hot Dip Galvanized, Add	*651.27*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,139.72*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	22.63	
		For Zinc Plated, Add	*6.34*	
		For Hot Dip Galvanized, Add	*9.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*15.84*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	40.82	
		For Zinc Plated, Add	*11.43*	
		For Hot Dip Galvanized, Add	*16.33*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.57*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	63.07	
		For Zinc Plated, Add	*17.66*	
		For Hot Dip Galvanized, Add	*25.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.15*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	68.53	
		For Zinc Plated, Add	*19.19*	
		For Hot Dip Galvanized, Add	*27.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.97*	
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	75.38	
		For Zinc Plated, Add	*21.11*	
		For Hot Dip Galvanized, Add	*30.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.77*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	86.32	
		For Zinc Plated, Add	*24.17*	
		For Hot Dip Galvanized, Add	*34.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*60.42*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	118.83	
		For Zinc Plated, Add	*33.27*	
		For Hot Dip Galvanized, Add	*47.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*83.18*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	182.69	
		For Zinc Plated, Add	*51.15*	
		For Hot Dip Galvanized, Add	*73.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*127.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	324.44	
		For Zinc Plated, Add	*90.84*	
		For Hot Dip Galvanized, Add	*129.78*	
		For Advanced Fluoropolymer (Blue Coating), Add	*227.11*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	462.85	
		For Zinc Plated, Add	*129.60*	
		For Hot Dip Galvanized, Add	*185.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*324.00*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	629.98	
		For Zinc Plated, Add	*176.39*	
		For Hot Dip Galvanized, Add	*251.99*	
		For Advanced Fluoropolymer (Blue Coating), Add	*440.99*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	863.14	
		For Zinc Plated, Add	*241.68*	
		For Hot Dip Galvanized, Add	*345.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*604.20*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,112.34	
		For Zinc Plated, Add	*311.46*	
		For Hot Dip Galvanized, Add	*444.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*778.64*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,184.06	
		For Zinc Plated, Add	*331.54*	
		For Hot Dip Galvanized, Add	*473.62*	
		For Advanced Fluoropolymer (Blue Coating), Add	*828.84*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,508.77	
		For Zinc Plated, Add	*422.46*	
		For Hot Dip Galvanized, Add	*603.51*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,056.14*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,386.48	
		For Zinc Plated, Add	*668.21*	
		For Hot Dip Galvanized, Add	*954.59*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,670.54*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	3,420.62	
		For Zinc Plated, Add	*957.77*	
		For Hot Dip Galvanized, Add	*1,368.25*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,394.43*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	13.83	
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.77	
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.88	
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.98	
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	96.38	
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	120.12	
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	138.32	
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	140.27	
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	356.91	
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	360.59	
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	542.26	
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	721.43	
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	1,854.58	
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,150.78	
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	2,484.71	

23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	37.39	
		For 300 Lb. Rating Gasket Set, Add	*0.25*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*5.41*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*6.23*	
		For Work In Restricted Working Space, Add	*11.01*	
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	40.08	
		For 300 Lb. Rating Gasket Set, Add	*0.33*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*7.27*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*8.37*	
		For Work In Restricted Working Space, Add	*11.74*	
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	44.44	
		For 300 Lb. Rating Gasket Set, Add	*0.57*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*12.68*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*14.60*	
		For Work In Restricted Working Space, Add	*12.84*	
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	48.35	
		For 300 Lb. Rating Gasket Set, Add	*0.65*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*14.46*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*16.64*	
		For Work In Restricted Working Space, Add	*13.94*	
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	53.71	
		For 300 Lb. Rating Gasket Set, Add	*0.82*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*18.09*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*20.83*	
		For Work In Restricted Working Space, Add	*15.41*	
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	59.53	
		For 300 Lb. Rating Gasket Set, Add	*1.14*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*25.28*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*29.10*	
		For Work In Restricted Working Space, Add	*16.88*	
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	70.48	
		For 300 Lb. Rating Gasket Set, Add	*1.55*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*34.32*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*39.52*	
		For Work In Restricted Working Space, Add	*19.81*	
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	74.87	
		For 300 Lb. Rating Gasket Set, Add	*1.80*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*39.81*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*45.84*	
		For Work In Restricted Working Space, Add	*20.92*	
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	100.15	
		For 300 Lb. Rating Gasket Set, Add	*2.95*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*65.09*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*74.94*	
		For Work In Restricted Working Space, Add	*27.52*	
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement	115.77	
		For 300 Lb. Rating Gasket Set, Add	*3.28*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*72.35*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*83.30*	
		For Work In Restricted Working Space, Add	*31.92*	
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement	133.24	
		For 300 Lb. Rating Gasket Set, Add	*4.26*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*94.00*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*108.22*	
		For Work In Restricted Working Space, Add	*36.32*	
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement	164.55	
		For 300 Lb. Rating Gasket Set, Add	*6.22*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*137.44*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*158.24*	
		For Work In Restricted Working Space, Add	*44.03*	
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement	181.82	
		For 300 Lb. Rating Gasket Set, Add	*8.84*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*195.26*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*224.81*	
		For Work In Restricted Working Space, Add	*46.97*	
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement	209.63	
		For 300 Lb. Rating Gasket Set, Add	*11.30*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*249.52*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*287.29*	
		For Work In Restricted Working Space, Add	*53.21*	
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement	222.06	
		For 300 Lb. Rating Gasket Set, Add	*13.51*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*298.30*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*343.45*	
		For Work In Restricted Working Space, Add	*55.04*	
23 21 13 23-0781	EA	16", 150 Lb., Rubber Flange Gasket Replacement	287.65	
		For 300 Lb. Rating Gasket Set, Add	*15.06*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*332.70*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*383.06*	
		For Work In Restricted Working Space, Add	*73.38*	
23 21 13 23-0782	EA	18", 150 Lb., Rubber Flange Gasket Replacement	312.75	
		For 300 Lb. Rating Gasket Set, Add	*15.72*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*347.15*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*399.70*	
		For Work In Restricted Working Space, Add	*80.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0783	EA	20", 150 Lb., Rubber Flange Gasket Replacement	374.71	
		For 300 Lb. Rating Gasket Set, Add	*16.86*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*372.43*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*428.80*	
		For Work In Restricted Working Space, Add	*97.96*	

23 21 13 23-0784 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0785	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.56	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0786	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.68	
		For Work In Restricted Working Space, Add	*8.60*	
23 21 13 23-0787	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.26	
		For Work In Restricted Working Space, Add	*9.68*	
23 21 13 23-0788	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.85	
		For Work In Restricted Working Space, Add	*10.16*	
23 21 13 23-0789	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.84	
		For Work In Restricted Working Space, Add	*10.75*	
23 21 13 23-0790	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.50	
		For Work In Restricted Working Space, Add	*11.55*	
23 21 13 23-0791	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	41.17	
		For Work In Restricted Working Space, Add	*12.35*	
23 21 13 23-0792	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.14	
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-0793	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	49.12	
		For Work In Restricted Working Space, Add	*14.74*	
23 21 13 23-0794	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	53.11	
		For Work In Restricted Working Space, Add	*15.93*	
23 21 13 23-0795	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	57.09	
		For Work In Restricted Working Space, Add	*17.13*	
23 21 13 23-0796	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	62.40	
		For Work In Restricted Working Space, Add	*18.72*	
23 21 13 23-0797	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	67.71	
		For Work In Restricted Working Space, Add	*20.31*	
23 21 13 23-0798	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	73.02	
		For Work In Restricted Working Space, Add	*21.91*	
23 21 13 23-0799	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	78.33	
		For Work In Restricted Working Space, Add	*23.50*	
23 21 13 23-0800	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	82.32	
		For Work In Restricted Working Space, Add	*24.70*	
23 21 13 23-0801	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	86.30	
		For Work In Restricted Working Space, Add	*25.89*	
23 21 13 23-0802	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	91.61	
		For Work In Restricted Working Space, Add	*27.48*	

23 21 13 23-0803 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0804	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	29.05	13.65
		For Work In Restricted Working Space, Add	*6.70*	
23 21 13 23-0805	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	32.66	14.89
		For Work In Restricted Working Space, Add	*6.70*	
23 21 13 23-0806	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	34.63	14.64
		For Work In Restricted Working Space, Add	*6.57*	
23 21 13 23-0807	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	43.26	18.61
		For Work In Restricted Working Space, Add	*8.37*	
23 21 13 23-0808	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	71.06	27.55
		For Work In Restricted Working Space, Add	*12.38*	
23 21 13 23-0809	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	89.28	31.46
		For Work In Restricted Working Space, Add	*14.18*	
23 21 13 23-0810	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	121.22	39.19
		For Work In Restricted Working Space, Add	*17.63*	
23 21 13 23-0811	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	147.20	47.25
		For Work In Restricted Working Space, Add	*21.25*	
23 21 13 23-0812	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	187.76	61.31
		For Work In Restricted Working Space, Add	*27.58*	

23 21 13 23-0813 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0814 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0813)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0815 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0814)*

23 21 13 23-0816	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	329.81	57.08
		For Galvanized Fittings, Add	*195.38*	
		For Extra Heavy Weight Fittings, Add	*293.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0817	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	367.81	63.57
		For Galvanized Fittings, Add	*217.97*	
		For Extra Heavy Weight Fittings, Add	*326.95*	
23 21 13 23-0818	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	370.23	70.17
		For Galvanized Fittings, Add	*212.08*	
		For Extra Heavy Weight Fittings, Add	*318.12*	
23 21 13 23-0819	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	464.67	81.54
		For Galvanized Fittings, Add	*273.94*	
		For Extra Heavy Weight Fittings, Add	*410.90*	
23 21 13 23-0820	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	633.98	91.32
		For Galvanized Fittings, Add	*397.65*	
		For Extra Heavy Weight Fittings, Add	*596.47*	
23 21 13 23-0821	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	676.84	105.99
		For Galvanized Fittings, Add	*414.34*	
		For Extra Heavy Weight Fittings, Add	*621.50*	
23 21 13 23-0822	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	847.00	117.36
		For Galvanized Fittings, Add	*536.77*	
		For Extra Heavy Weight Fittings, Add	*805.15*	
23 21 13 23-0823		**Flanged Steel, Reducing 90 Degree Elbows** *(23 21 13 23-0814)*		
23 21 13 23-0824	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	583.84	60.39
		For Galvanized Fittings, Add	*394.70*	
		For Extra Heavy Weight Fittings, Add	*592.06*	
23 21 13 23-0825	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	610.80	66.87
		For Galvanized Fittings, Add	*408.45*	
		For Extra Heavy Weight Fittings, Add	*612.67*	
23 21 13 23-0826	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	755.57	75.79
		For Galvanized Fittings, Add	*513.50*	
		For Extra Heavy Weight Fittings, Add	*770.26*	
23 21 13 23-0827	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	926.13	80.69
		For Galvanized Fittings, Add	*644.09*	
		For Extra Heavy Weight Fittings, Add	*966.13*	
23 21 13 23-0828	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,056.16	93.76
		For Galvanized Fittings, Add	*732.46*	
		For Extra Heavy Weight Fittings, Add	*1,098.68*	
23 21 13 23-0829	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,459.83	111.73
		For Galvanized Fittings, Add	*1,033.88*	
		For Extra Heavy Weight Fittings, Add	*1,550.82*	
23 21 13 23-0830		**Flanged Steel, 45 Degree Elbows** *(23 21 13 23-0814)*		
23 21 13 23-0831	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	418.18	57.08
		For Galvanized Fittings, Add	*266.08*	
		For Extra Heavy Weight Fittings, Add	*399.12*	
23 21 13 23-0832	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	439.00	63.57
		For Galvanized Fittings, Add	*274.92*	
		For Extra Heavy Weight Fittings, Add	*412.38*	
23 21 13 23-0833	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	458.59	70.17
		For Galvanized Fittings, Add	*282.77*	
		For Extra Heavy Weight Fittings, Add	*424.15*	
23 21 13 23-0834	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	567.76	81.54
		For Galvanized Fittings, Add	*356.41*	
		For Extra Heavy Weight Fittings, Add	*534.61*	
23 21 13 23-0835	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	800.89	91.32
		For Galvanized Fittings, Add	*531.18*	
		For Extra Heavy Weight Fittings, Add	*796.76*	
23 21 13 23-0836	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	792.21	105.99
		For Galvanized Fittings, Add	*506.63*	
		For Extra Heavy Weight Fittings, Add	*759.95*	
23 21 13 23-0837	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	929.16	117.36
		For Galvanized Fittings, Add	*602.50*	
		For Extra Heavy Weight Fittings, Add	*903.74*	
23 21 13 23-0838		**Flanged Steel, Tees** *(23 21 13 23-0814)*		
23 21 13 23-0839	EA	2" Standard Weight, Flanged Steel, Tee	431.50	85.58
		For Galvanized Fittings, Add	*242.51*	
		For Extra Heavy Weight Fittings, Add	*363.77*	
23 21 13 23-0840	EA	2-1/2" Standard Weight, Flanged Steel, Tee	546.80	95.35
		For Galvanized Fittings, Add	*323.02*	
		For Extra Heavy Weight Fittings, Add	*484.54*	
23 21 13 23-0841	EA	3" Standard Weight, Flanged Steel, Tee	511.17	105.13
		For Galvanized Fittings, Add	*282.78*	
		For Extra Heavy Weight Fittings, Add	*424.16*	
23 21 13 23-0842	EA	4" Standard Weight, Flanged Steel, Tee	711.10	122.37
		For Galvanized Fittings, Add	*422.18*	
		For Extra Heavy Weight Fittings, Add	*633.28*	
23 21 13 23-0843	EA	5" Standard Weight, Flanged Steel, Tee	1,025.67	137.04
		For Galvanized Fittings, Add	*656.24*	
		For Extra Heavy Weight Fittings, Add	*984.36*	
23 21 13 23-0844	EA	6" Standard Weight, Flanged Steel, Tee	1,246.15	159.05
		For Galvanized Fittings, Add	*806.22*	
		For Extra Heavy Weight Fittings, Add	*1,209.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0845	EA	8" Standard Weight, Flanged Steel, Tee	1,385.42	184.23
		For Galvanized Fittings, Add	*887.31*	
		For Extra Heavy Weight Fittings, Add	*1,330.97*	

23 21 13 23-0846 Flanged Steel, Reducing Tees *(23 21 13 23-0814)*

23 21 13 23-0847	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	652.38	92.18
		For Galvanized Fittings, Add	*411.39*	
		For Extra Heavy Weight Fittings, Add	*617.09*	
23 21 13 23-0848	EA	3" Standard Weight, Flanged Steel, Reducing Tee	750.51	101.95
		For Galvanized Fittings, Add	*478.16*	
		For Extra Heavy Weight Fittings, Add	*717.24*	
23 21 13 23-0849	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,251.08	116.63
		For Galvanized Fittings, Add	*861.02*	
		For Extra Heavy Weight Fittings, Add	*1,291.52*	
23 21 13 23-0850	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,356.48	132.14
		For Galvanized Fittings, Add	*926.74*	
		For Extra Heavy Weight Fittings, Add	*1,390.12*	
23 21 13 23-0851	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,695.26	151.71
		For Galvanized Fittings, Add	*1,174.31*	
		For Extra Heavy Weight Fittings, Add	*1,761.47*	
23 21 13 23-0852	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,103.81	170.41
		For Galvanized Fittings, Add	*1,478.66*	
		For Extra Heavy Weight Fittings, Add	*2,217.98*	

23 21 13 23-0853 Flanged Steel, Concentric Reducers *(23 21 13 23-0814)*

23 21 13 23-0854	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	603.44	66.87
		For Galvanized Fittings, Add	*402.56*	
		For Extra Heavy Weight Fittings, Add	*603.84*	
23 21 13 23-0855	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	685.61	75.79
		For Galvanized Fittings, Add	*457.54*	
		For Extra Heavy Weight Fittings, Add	*686.30*	
23 21 13 23-0856	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	999.74	86.43
		For Galvanized Fittings, Add	*696.13*	
		For Extra Heavy Weight Fittings, Add	*1,044.19*	
23 21 13 23-0857	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,101.57	93.76
		For Galvanized Fittings, Add	*768.78*	
		For Extra Heavy Weight Fittings, Add	*1,153.18*	
23 21 13 23-0858	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,291.69	111.73
		For Galvanized Fittings, Add	*899.37*	
		For Extra Heavy Weight Fittings, Add	*1,349.05*	

23 21 13 23-0859 Flanged Steel, Eccentric Reducers *(23 21 13 23-0814)*

23 21 13 23-0860	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	654.69	75.79
		For Galvanized Fittings, Add	*432.80*	
		For Extra Heavy Weight Fittings, Add	*649.20*	
23 21 13 23-0861	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	878.73	86.43
		For Galvanized Fittings, Add	*599.32*	
		For Extra Heavy Weight Fittings, Add	*898.98*	

23 21 13 23-0862 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0863 Plain End Piping System Couplings *(23 21 13 23-0862)*

23 21 13 23-0864 Plainlock Plain End Piping System Couplings *(23 21 13 23-0863)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0865	EA	1" Plainlock Plain End Piping System Coupling	152.02	7.34
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0866	EA	1-1/2" Plainlock Plain End Piping System Coupling	156.29	10.14
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0867	EA	2" Plainlock Plain End Piping System Coupling	161.25	13.45
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0868	EA	2-1/2" Plainlock Plain End Piping System Coupling	165.47	16.26
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0869	EA	3" Plainlock Plain End Piping System Coupling	195.76	19.56
		For Galvanized Fittings, Add	*33.29*	
23 21 13 23-0870	EA	4" Plainlock Plain End Piping System Coupling	269.70	26.04
		For Galvanized Fittings, Add	*46.12*	
23 21 13 23-0871	EA	6" Plainlock Plain End Piping System Coupling	452.93	42.42
		For Galvanized Fittings, Add	*77.87*	

23 21 13 23-0872 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0863)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0873	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	183.68	10.14
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0874	EA	2" Roust-A-Bout Plain End Piping System Coupling	188.64	13.45
		For Galvanized Fittings, Add	*42.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0875	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	192.87	16.38
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0876	EA	3" Roust-A-Bout Plain End Piping System Coupling	278.78	19.56
		For Galvanized Fittings, Add	*62.36*	
23 21 13 23-0877	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	322.95	22.86
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0878	EA	4" Roust-A-Bout Plain End Piping System Coupling	327.79	26.04
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0879	EA	5" Roust-A-Bout Plain End Piping System Coupling	461.37	32.64
		For Galvanized Fittings, Add	*103.11*	
23 21 13 23-0880	EA	6" Roust-A-Bout Plain End Piping System Coupling	567.31	42.42
		For Galvanized Fittings, Add	*125.93*	
23 21 13 23-0881	EA	8" Roust-A-Bout Plain End Piping System Coupling	969.05	50.61
		For Galvanized Fittings, Add	*223.30*	
23 21 13 23-0882	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,251.90	59.90
		For Galvanized Fittings, Add	*290.51*	
23 21 13 23-0883	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,564.47	70.90
		For Galvanized Fittings, Add	*364.53*	
23 21 13 23-0884	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,188.06	78.36
		For Galvanized Fittings, Add	*517.63*	
23 21 13 23-0885	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,968.29	88.63
		For Galvanized Fittings, Add	*708.85*	

23 21 13 23-0886 Plain End Piping System Fittings *(23 21 13 23-0862)*

Note: Cast ductile iron bodies.

23 21 13 23-0887 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0886)*

23 21 13 23-0888	EA	1" Plain End Piping System, 90 Degree Elbow	153.10	13.33
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0889	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	163.38	20.17
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0890	EA	2" Plain End Piping System, 90 Degree Elbow	173.07	26.65
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0891	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	181.78	32.52
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0892	EA	3" Plain End Piping System, 90 Degree Elbow	218.89	39.36
		For Galvanized Fittings, Add	*31.98*	
23 21 13 23-0893	EA	4" Plain End Piping System, 90 Degree Elbow	310.94	51.83
		For Galvanized Fittings, Add	*46.63*	
23 21 13 23-0894	EA	5" Plain End Piping System, 90 Degree Elbow	904.42	64.92
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0895	EA	6" Plain End Piping System, 90 Degree Elbow	769.11	84.96
		For Galvanized Fittings, Add	*128.35*	
23 21 13 23-0896	EA	8" Plain End Piping System, 90 Degree Elbow	1,506.77	100.85
		For Galvanized Fittings, Add	*271.09*	
23 21 13 23-0897	EA	10" Plain End Piping System, 90 Degree Elbow	1,880.28	117.84
		For Galvanized Fittings, Add	*340.72*	
23 21 13 23-0898	EA	12" Plain End Piping System, 90 Degree Elbow	2,381.33	141.57
		For Galvanized Fittings, Add	*433.82*	

23 21 13 23-0899 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0886)*

23 21 13 23-0900	EA	1" Plain End Piping System, 45 Degree Elbow	153.10	13.33
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0901	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	163.38	20.17
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0902	EA	2" Plain End Piping System, 45 Degree Elbow	173.07	26.65
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0903	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	181.78	32.52
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0904	EA	3" Plain End Piping System, 45 Degree Elbow	218.89	39.36
		For Galvanized Fittings, Add	*31.98*	
23 21 13 23-0905	EA	4" Plain End Piping System, 45 Degree Elbow	310.94	51.83
		For Galvanized Fittings, Add	*46.63*	
23 21 13 23-0906	EA	5" Plain End Piping System, 45 Degree Elbow	904.42	64.92
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0907	EA	6" Plain End Piping System, 45 Degree Elbow	771.58	84.96
		For Galvanized Fittings, Add	*128.85*	
23 21 13 23-0908	EA	8" Plain End Piping System, 45 Degree Elbow	896.08	100.85
		For Galvanized Fittings, Add	*148.96*	
23 21 13 23-0909	EA	10" Plain End Piping System, 45 Degree Elbow	1,216.05	117.84
		For Galvanized Fittings, Add	*207.88*	
23 21 13 23-0910	EA	12" Plain End Piping System, 45 Degree Elbow	1,555.00	141.57
		For Galvanized Fittings, Add	*268.55*	

23 21 13 23-0911 Plain End Piping System, Tees *(23 21 13 23-0886)*

23 21 13 23-0912	EA	1" Plain End Piping System, Tee	209.52	20.17
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0913	EA	1-1/2" Plain End Piping System, Tee	224.67	30.31
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0914	EA	2" Plain End Piping System, Tee	238.04	39.24
		For Galvanized Fittings, Add	*35.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0915	EA	2-1/2" Plain End Piping System, Tee	251.34	48.05
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0916	EA	3" Plain End Piping System, Tee	346.56	59.05
		For Galvanized Fittings, Add	*51.59*	
23 21 13 23-0917	EA	4" Plain End Piping System, Tee	473.22	76.41
		For Galvanized Fittings, Add	*71.75*	
23 21 13 23-0918	EA	5" Plain End Piping System, Tee	937.91	99.88
		For Galvanized Fittings, Add	*157.62*	
23 21 13 23-0919	EA	6" Plain End Piping System, Tee	1,160.15	125.06
		For Galvanized Fittings, Add	*194.53*	
23 21 13 23-0920	EA	8" Plain End Piping System, Tee	1,575.77	152.07
		For Galvanized Fittings, Add	*269.54*	
23 21 13 23-0921	EA	10" Plain End Piping System, Tee	2,323.82	177.26
		For Galvanized Fittings, Add	*411.61*	
23 21 13 23-0922	EA	12" Plain End Piping System, Tee	3,102.45	212.35
		For Galvanized Fittings, Add	*556.82*	

23 21 13 23-0923 Plain End Piping System, Reducing Tees *(23 21 13 23-0886)*

23 21 13 23-0924	EA	1-1/2" Plain End Piping System, Reducing Tee	403.04	32.52
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0925	EA	2" Plain End Piping System, Reducing Tee	413.10	39.24
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0926	EA	2-1/2" Plain End Piping System, Reducing Tee	426.40	48.05
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0927	EA	3" Plain End Piping System, Reducing Tee	442.91	59.05
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0928	EA	4" Plain End Piping System, Reducing Tee	637.55	76.41
		For Galvanized Fittings, Add	*104.62*	
23 21 13 23-0929	EA	6" Plain End Piping System, Reducing Tee	1,075.76	125.06
		For Galvanized Fittings, Add	*177.65*	
23 21 13 23-0930	EA	8" Plain End Piping System, Reducing Tee	1,397.87	152.07
		For Galvanized Fittings, Add	*233.96*	
23 21 13 23-0931	EA	10" Plain End Piping System, Reducing Tee	2,069.18	177.26
		For Galvanized Fittings, Add	*360.68*	
23 21 13 23-0932	EA	12" Plain End Piping System, Reducing Tee	3,029.59	212.35
		For Galvanized Fittings, Add	*542.25*	

23 21 13 23-0933 Plain End Piping System, Wyes *(23 21 13 23-0886)*

23 21 13 23-0934	EA	2" Plain End Piping System, Wye	583.84	39.24
		For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0935	EA	2-1/2" Plain End Piping System, Wye	597.14	48.05
		For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0936	EA	3" Plain End Piping System, Wye	678.79	59.05
		For Galvanized Fittings, Add	*118.04*	
23 21 13 23-0937	EA	4" Plain End Piping System, Wye	990.51	76.41
		For Galvanized Fittings, Add	*175.21*	
23 21 13 23-0938	EA	5" Plain End Piping System, Wye	1,215.86	99.88
		For Galvanized Fittings, Add	*213.21*	
23 21 13 23-0939	EA	6" Plain End Piping System, Wye	1,655.48	125.06
		For Galvanized Fittings, Add	*293.60*	
23 21 13 23-0940	EA	8" Plain End Piping System, Wye	2,129.21	152.07
		For Galvanized Fittings, Add	*380.23*	
23 21 13 23-0941	EA	10" Plain End Piping System, Wye	3,069.22	177.26
		For Galvanized Fittings, Add	*560.69*	
23 21 13 23-0942	EA	12" Plain End Piping System, Wye	4,640.13	212.35
		For Galvanized Fittings, Add	*864.35*	

23 21 13 23-0943 Plain End Piping System, Laterals *(23 21 13 23-0886)*

23 21 13 23-0944	EA	2" Plain End Piping System, Lateral	620.98	39.24
		For Galvanized Fittings, Add	*112.44*	
23 21 13 23-0945	EA	2-1/2" Plain End Piping System, Lateral	634.28	48.05
		For Galvanized Fittings, Add	*112.44*	
23 21 13 23-0946	EA	3" Plain End Piping System, Lateral	715.68	59.05
		For Galvanized Fittings, Add	*125.42*	
23 21 13 23-0947	EA	4" Plain End Piping System, Lateral	1,060.95	76.41
		For Galvanized Fittings, Add	*189.30*	
23 21 13 23-0948	EA	5" Plain End Piping System, Lateral	1,383.64	99.88
		For Galvanized Fittings, Add	*246.76*	
23 21 13 23-0949	EA	6" Plain End Piping System, Lateral	1,763.43	125.06
		For Galvanized Fittings, Add	*315.19*	
23 21 13 23-0950	EA	8" Plain End Piping System, Lateral	2,525.72	152.07
		For Galvanized Fittings, Add	*459.53*	
23 21 13 23-0951	EA	10" Plain End Piping System, Lateral	3,509.16	177.26
		For Galvanized Fittings, Add	*648.68*	
23 21 13 23-0952	EA	12" Plain End Piping System, Lateral	4,705.52	212.35
		For Galvanized Fittings, Add	*877.43*	

23 21 13 23-0953 Plain End Piping System, Crosses *(23 21 13 23-0886)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0954	EA	2" Plain End Piping System, Cross	698.50	58.81
		For Galvanized Fittings, Add	*76.30*	
23 21 13 23-0955	EA	2-1/2" Plain End Piping System, Cross	718.42	72.00
		For Galvanized Fittings, Add	*76.30*	
23 21 13 23-0956	EA	3" Plain End Piping System, Cross	840.90	88.63
		For Galvanized Fittings, Add	*88.50*	
23 21 13 23-0957	EA	4" Plain End Piping System, Cross	1,144.35	114.54
		For Galvanized Fittings, Add	*121.58*	
23 21 13 23-0958	EA	5" Plain End Piping System, Cross	1,606.22	149.88
		For Galvanized Fittings, Add	*172.69*	
23 21 13 23-0959	EA	6" Plain End Piping System, Cross	2,104.53	187.04
		For Galvanized Fittings, Add	*228.02*	
23 21 13 23-0960	EA	8" Plain End Piping System, Cross	2,679.79	226.53
		For Galvanized Fittings, Add	*292.53*	
23 21 13 23-0961	EA	10" Plain End Piping System, Cross	3,811.42	264.79
		For Galvanized Fittings, Add	*426.81*	
23 21 13 23-0962	EA	12" Plain End Piping System, Cross	5,400.98	318.58
		For Galvanized Fittings, Add	*615.43*	

23 21 13 23-0963 Plain End Piping System, Adapter Nipples *(23 21 13 23-0886)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-0964	EA	1" Plain End Piping System, Adapter Nipple	45.87	7.34
		For Galvanized Fittings, Add	*8.72*	
23 21 13 23-0965	EA	1-1/2" Plain End Piping System, Adapter Nipple	51.11	10.14
		For Galvanized Fittings, Add	*8.96*	
23 21 13 23-0966	EA	2" Plain End Piping System, Adapter Nipple	55.94	13.45
		For Galvanized Fittings, Add	*8.96*	
23 21 13 23-0967	EA	2-1/2" Plain End Piping System, Adapter Nipple	66.43	16.26
		For Galvanized Fittings, Add	*10.50*	
23 21 13 23-0968	EA	3" Plain End Piping System, Adapter Nipple	81.21	19.56
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-0969	EA	4" Plain End Piping System, Adapter Nipple	125.86	26.04
		For Galvanized Fittings, Add	*21.69*	
23 21 13 23-0970	EA	6" Plain End Piping System, Adapter Nipple	283.48	32.64
		For Galvanized Fittings, Add	*58.65*	

23 21 13 23-0971 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0886)*

23 21 13 23-0972	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	143.48	17.48
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0973	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	148.39	20.78
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0974	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	153.32	24.08
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0975	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	152.12	23.35
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0976	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	156.94	26.53
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0977	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	161.82	29.71
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-0978	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	183.00	26.89
		For Galvanized Fittings, Add	*35.68*	
23 21 13 23-0979	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	187.35	29.71
		For Galvanized Fittings, Add	*35.68*	
23 21 13 23-0980	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	159.32	33.01
		For Galvanized Fittings, Add	*27.45*	
23 21 13 23-0981	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	168.78	39.36
		For Galvanized Fittings, Add	*27.45*	
23 21 13 23-0982	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	194.80	42.42
		For Galvanized Fittings, Add	*32.82*	
23 21 13 23-0983	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	250.81	33.37
		For Galvanized Fittings, Add	*50.18*	
23 21 13 23-0984	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	255.09	36.31
		For Galvanized Fittings, Add	*50.18*	
23 21 13 23-0985	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	211.32	39.61
		For Galvanized Fittings, Add	*38.00*	
23 21 13 23-0986	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	215.52	42.42
		For Galvanized Fittings, Add	*38.00*	
23 21 13 23-0987	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	220.51	45.72
		For Galvanized Fittings, Add	*38.00*	
23 21 13 23-0988	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	225.27	48.90
		For Galvanized Fittings, Add	*38.00*	
23 21 13 23-0989	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	628.05	46.08
		For Galvanized Fittings, Add	*139.73*	
23 21 13 23-0990	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	509.56	52.07
		For Galvanized Fittings, Add	*107.85*	
23 21 13 23-0991	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	443.07	58.81
		For Galvanized Fittings, Add	*88.75*	
23 21 13 23-0992	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,139.50	49.76
		For Galvanized Fittings, Add	*266.24*	
23 21 13 23-0993	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,143.72	52.57
		For Galvanized Fittings, Add	*266.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0994	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	871.41	55.87
		For Galvanized Fittings, Add	*196.92*	
23 21 13 23-0995	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	875.74	58.81
		For Galvanized Fittings, Add	*196.92*	
23 21 13 23-0996	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	603.37	61.98
		For Galvanized Fittings, Add	*127.62*	
23 21 13 23-0997	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	607.81	64.92
		For Galvanized Fittings, Add	*127.62*	
23 21 13 23-0998	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	489.70	68.46
		For Galvanized Fittings, Add	*96.79*	
23 21 13 23-0999	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	556.25	74.94
		For Galvanized Fittings, Add	*110.97*	
23 21 13 23-1000	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	720.66	70.05
		For Galvanized Fittings, Add	*153.91*	
23 21 13 23-1001	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	730.53	76.65
		For Galvanized Fittings, Add	*153.91*	
23 21 13 23-1002	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	825.11	83.25
		For Galvanized Fittings, Add	*175.09*	
23 21 13 23-1003	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	924.61	93.03
		For Galvanized Fittings, Add	*196.27*	

23 21 13 23-1004 Plain End Piping System, Bull Plugs *(23 21 13 23-0886)*

23 21 13 23-1005	EA	1" Plain End Piping System, Bull Plug	300.43	7.34
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1006	EA	1-1/2" Plain End Piping System, Bull Plug	304.71	10.14
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1007	EA	2" Plain End Piping System, Bull Plug	309.54	13.45
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1008	EA	2-1/2" Plain End Piping System, Bull Plug	313.88	16.26
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1009	EA	3" Plain End Piping System, Bull Plug	453.61	19.56
		For Galvanized Fittings, Add	*127.28*	
23 21 13 23-1010	EA	4" Plain End Piping System, Bull Plug	587.12	26.04
		For Galvanized Fittings, Add	*164.40*	
23 21 13 23-1011	EA	5" Plain End Piping System, Bull Plug	1,017.34	32.64
		For Galvanized Fittings, Add	*290.54*	
23 21 13 23-1012	EA	6" Plain End Piping System, Bull Plug	1,355.24	42.42
		For Galvanized Fittings, Add	*387.50*	
23 21 13 23-1013	EA	8" Plain End Piping System, Bull Plug	2,504.20	50.49
		For Galvanized Fittings, Add	*728.53*	
23 21 13 23-1014	EA	10" Plain End Piping System, Bull Plug	4,496.97	59.05
		For Galvanized Fittings, Add	*1,322.51*	
23 21 13 23-1015	EA	12" Plain End Piping System, Bull Plug	6,885.63	70.90
		For Galvanized Fittings, Add	*2,033.79*	

23 21 13 23-1016 Carbon Steel Piping Systems *(23 21 13 23)*

23 21 13 23-1017 Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1016)*

Note: ASTM A105

23 21 13 23-1018 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1017)*

23 21 13 23-1019	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	41.37	24.20
23 21 13 23-1020	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	46.43	27.01
23 21 13 23-1021	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	56.12	30.19
23 21 13 23-1022	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	71.48	34.23
23 21 13 23-1023	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	81.32	38.51
23 21 13 23-1024	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	107.97	49.02
23 21 13 23-1025	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	196.32	72.49
23 21 13 23-1026	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	273.82	95.35
23 21 13 23-1027	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	425.73	98.67

23 21 13 23-1028 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1017)*

23 21 13 23-1029	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	43.63	24.20
23 21 13 23-1030	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	49.86	27.01
23 21 13 23-1031	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	57.18	30.19
23 21 13 23-1032	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	72.81	34.23
23 21 13 23-1033	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	84.52	38.51
23 21 13 23-1034	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	107.90	49.02
23 21 13 23-1035	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	215.90	72.49
23 21 13 23-1036	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	290.39	95.35
23 21 13 23-1037	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	418.56	98.67

23 21 13 23-1038 Straight Tees, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1017)*

23 21 13 23-1039	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	51.13	30.19
23 21 13 23-1040	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	60.68	34.84
23 21 13 23-1041	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	76.68	41.19
23 21 13 23-1042	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	97.78	49.02
23 21 13 23-1043	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	117.84	58.43
23 21 13 23-1044	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	152.51	72.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1045	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	248.54	95.35
23 21 13 23-1046	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	328.29	113.20
23 21 13 23-1047	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	559.17	124.57
23 21 13 23-1048		**Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1017)*		
23 21 13 23-1049	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	51.75	30.19
23 21 13 23-1050	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	61.33	34.84
23 21 13 23-1051	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	77.45	41.19
23 21 13 23-1052	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	99.60	49.02
23 21 13 23-1053	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	119.97	58.43
23 21 13 23-1054	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	155.78	72.49
23 21 13 23-1055	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	256.32	95.35
23 21 13 23-1056	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	339.50	113.20
23 21 13 23-1057	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	519.28	124.57
23 21 13 23-1058		**Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1017)*		
23 21 13 23-1059	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	38.57	24.20
23 21 13 23-1060	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	43.33	27.01
23 21 13 23-1061	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	49.55	30.19
23 21 13 23-1062	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	56.64	34.23
23 21 13 23-1063	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	65.04	38.51
23 21 13 23-1064	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	84.00	49.02
23 21 13 23-1065	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	135.26	72.49
23 21 13 23-1066	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	179.67	95.35
23 21 13 23-1067	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	221.06	98.67
23 21 13 23-1068		**Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1017)*		
23 21 13 23-1069	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	39.84	24.20
23 21 13 23-1070	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	44.72	27.01
23 21 13 23-1071	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	51.77	30.19
23 21 13 23-1072	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	59.33	34.23
23 21 13 23-1073	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	69.02	38.51
23 21 13 23-1074	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	88.25	49.02
23 21 13 23-1075	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	144.63	72.49
23 21 13 23-1076	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	198.52	95.35
23 21 13 23-1077	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	260.24	98.67
23 21 13 23-1078		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1017)*		
23 21 13 23-1079	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	20.70	11.37
23 21 13 23-1080	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	22.99	12.11
23 21 13 23-1081	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	26.78	13.94
23 21 13 23-1082	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	30.32	15.16
23 21 13 23-1083	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	33.14	15.16
23 21 13 23-1084	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	42.92	19.43
23 21 13 23-1085	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	68.51	24.20
23 21 13 23-1086	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	94.69	29.22
23 21 13 23-1087	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	130.00	33.77
23 21 13 23-1088		**Black Cast Iron Square Head Plug** *(23 21 13 23-1017)*		
23 21 13 23-1089	EA	1/2" Square Head Plug, Black, Cast Iron	15.24	9.66
23 21 13 23-1090	EA	3/4" Square Head Plug, Black, Cast Iron	16.45	9.66
23 21 13 23-1091	EA	1" Square Head Plug, Black, Cast Iron	24.15	14.67
23 21 13 23-1092	EA	1-1/4" Square Head Plug, Black, Cast Iron	24.39	14.67
23 21 13 23-1093	EA	1-1/2" Square Head Plug, Black, Cast Iron	25.39	14.67
23 21 13 23-1094	EA	2" Square Head Plug, Black, Cast Iron	33.72	19.43
23 21 13 23-1095	EA	2-1/2" Square Head Plug, Black, Cast Iron	42.76	24.20
23 21 13 23-1096	EA	3" Square Head Plug, Black, Cast Iron	54.32	29.22
23 21 13 23-1097	EA	4" Square Head Plug, Black, Cast Iron	63.02	33.77
23 21 13 23-1098		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1017)*		
23 21 13 23-1099	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	58.45	30.19
23 21 13 23-1100	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	65.76	34.84
23 21 13 23-1101	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.	81.50	41.19
23 21 13 23-1102	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	100.69	49.02
23 21 13 23-1103	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	120.91	58.43
23 21 13 23-1104	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	150.72	72.49
23 21 13 23-1105	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	225.80	78.72
23 21 13 23-1106	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.	295.61	95.35
23 21 13 23-1107		**Class 6,000 Lb. Carbon Steel Socket Weld Fittings** *(23 21 13 23-1016)* Note: ASTM A105		
23 21 13 23-1108		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1107)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1109	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	44.10	24.20
23 21 13 23-1110	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	49.55	27.01
23 21 13 23-1111	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	61.88	30.19
23 21 13 23-1112	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	82.21	34.23
23 21 13 23-1113	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	93.82	38.51
23 21 13 23-1114	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	126.32	49.02
23 21 13 23-1115	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	242.87	72.49
23 21 13 23-1116	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	343.31	95.35
23 21 13 23-1117	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	573.30	98.67
23 21 13 23-1118		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1107)*		
23 21 13 23-1119	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	47.83	24.20
23 21 13 23-1120	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	55.13	27.01
23 21 13 23-1121	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	63.91	30.19
23 21 13 23-1122	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	85.01	34.23
23 21 13 23-1123	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	99.65	38.51
23 21 13 23-1124	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	127.43	49.02
23 21 13 23-1125	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	276.62	72.49
23 21 13 23-1126	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	373.86	95.35
23 21 13 23-1127	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	571.82	98.67
23 21 13 23-1128		**Straight Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1107)*		
23 21 13 23-1129	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	56.54	30.19
23 21 13 23-1130	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	68.51	34.84
23 21 13 23-1131	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	90.52	41.19
23 21 13 23-1132	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	120.34	49.02
23 21 13 23-1133	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	145.81	58.43
23 21 13 23-1134	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	193.12	72.49
23 21 13 23-1135	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	346.31	95.35
23 21 13 23-1136	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	475.09	113.20
23 21 13 23-1137	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	904.06	124.57
23 21 13 23-1138		**Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1107)*		
23 21 13 23-1139	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	51.75	30.19
23 21 13 23-1140	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	61.33	34.84
23 21 13 23-1141	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	77.45	41.19
23 21 13 23-1142	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	99.60	49.02
23 21 13 23-1143	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	119.97	58.43
23 21 13 23-1144	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	155.78	72.49
23 21 13 23-1145	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	256.32	95.35
23 21 13 23-1146	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	339.50	113.20
23 21 13 23-1147	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	519.28	124.57
23 21 13 23-1148		**Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1107)*		
23 21 13 23-1149	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	39.71	24.20
23 21 13 23-1150	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	44.68	27.01
23 21 13 23-1151	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	51.61	30.19
23 21 13 23-1152	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	59.24	34.23
23 21 13 23-1153	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	68.54	38.51
23 21 13 23-1154	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	89.12	49.02
23 21 13 23-1155	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	148.13	72.49
23 21 13 23-1156	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	197.41	95.35
23 21 13 23-1157	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	256.45	98.67
23 21 13 23-1158		**Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1107)*		
23 21 13 23-1159	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	41.57	24.20
23 21 13 23-1160	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	46.73	27.01
23 21 13 23-1161	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	54.89	30.19
23 21 13 23-1162	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	63.20	34.23
23 21 13 23-1163	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	74.40	38.51
23 21 13 23-1164	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	95.37	49.02
23 21 13 23-1165	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	161.90	72.49
23 21 13 23-1166	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	225.17	95.35
23 21 13 23-1167	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	314.18	98.67
23 21 13 23-1168		**Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1107)*		
23 21 13 23-1169	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	23.19	11.37
23 21 13 23-1170	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	26.26	12.11
23 21 13 23-1171	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	30.74	13.94
23 21 13 23-1172	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	35.48	15.16
23 21 13 23-1173	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	40.19	15.16
23 21 13 23-1174	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	52.12	19.43
23 21 13 23-1175	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	90.18	24.20
23 21 13 23-1176	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	128.82	29.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1177	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	183.23	33.77
23 21 13 23-1178		**Black Cast Iron Square Head Plug** *(23 21 13 23-1107)*		
23 21 13 23-1179	EA	1/2" Square Head Plug, Black Cast Iron	15.25	9.66
23 21 13 23-1180	EA	3/4" Square Head Plug, Black Cast Iron	16.46	9.66
23 21 13 23-1181	EA	1" Square Head Plug, Black Cast Iron	24.16	14.67
23 21 13 23-1182	EA	1-1/4" Square Head Plug, Black Cast Iron	24.40	14.67
23 21 13 23-1183	EA	1-1/2" Square Head Plug, Black Cast Iron	25.40	14.67
23 21 13 23-1184	EA	2" Square Head Plug, Black Cast Iron	33.74	19.43
23 21 13 23-1185	EA	2-1/2" Square Head Plug, Black Cast Iron	42.80	24.20
23 21 13 23-1186	EA	3" Square Head Plug, Black Cast Iron	54.37	29.22
23 21 13 23-1187	EA	4" Square Head Plug, Black Cast Iron	63.08	33.77
23 21 13 23-1188		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1107)*		
23 21 13 23-1189	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	66.51	30.19
23 21 13 23-1190	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	74.02	34.84
23 21 13 23-1191	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.	93.58	41.19
23 21 13 23-1192	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	117.36	49.02
23 21 13 23-1193	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	141.25	58.43
23 21 13 23-1194	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	176.43	72.49
23 21 13 23-1195	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	291.65	78.72
23 21 13 23-1196	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.	388.94	95.35
23 21 13 23-1197		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1016)* Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1198		**Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1197)* Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1199	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	13.91	4.52
		For Schedule 80, Add	*2.56*	
23 21 13 23-1200	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	13.92	4.89
		For Schedule 80, Add	*2.34*	
		For Schedule 160, Add	*9.77*	
23 21 13 23-1201	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	15.86	5.25
		For Schedule 80, Add	*2.87*	
		For Schedule 160, Add	*11.96*	
23 21 13 23-1202	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	16.76	5.75
		For Schedule 80, Add	*2.96*	
		For Schedule 160, Add	*12.33*	
23 21 13 23-1203	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	23.95	7.09
		For Schedule 80, Add	*4.80*	
		For Schedule 160, Add	*19.98*	
23 21 13 23-1204	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	28.81	8.55
		For Schedule 80, Add	*5.74*	
		For Schedule 160, Add	*23.91*	
23 21 13 23-1205		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1206	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	31.07	18.58
23 21 13 23-1207	EA	1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	37.05	21.76
23 21 13 23-1208	EA	3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	41.43	24.33
23 21 13 23-1209	EA	1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	46.98	27.14
23 21 13 23-1210	EA	1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	68.10	34.72
23 21 13 23-1211	EA	2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	86.38	44.13
23 21 13 23-1212	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	32.11	18.58
23 21 13 23-1213	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	37.44	21.76
23 21 13 23-1214	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	42.71	24.33
23 21 13 23-1215	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	49.76	27.14
23 21 13 23-1216	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	74.74	34.72
23 21 13 23-1217	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	93.71	44.13
23 21 13 23-1218	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	41.05	21.76
23 21 13 23-1219	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	47.26	24.33
23 21 13 23-1220	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	54.54	27.14
23 21 13 23-1221	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	88.18	34.72
23 21 13 23-1222	EA	2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	129.35	44.13
23 21 13 23-1223		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1224	EA	1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	33.40	18.58
23 21 13 23-1225	EA	1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	37.89	21.76
23 21 13 23-1226	EA	3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	42.51	24.33
23 21 13 23-1227	EA	1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	47.80	27.14
23 21 13 23-1228	EA	1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	65.45	34.72
23 21 13 23-1229	EA	2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	90.47	44.13
23 21 13 23-1230	EA	1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	33.56	18.58
23 21 13 23-1231	EA	1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	38.83	21.76
23 21 13 23-1232	EA	3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	43.60	24.33
23 21 13 23-1233	EA	1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	50.64	27.14
23 21 13 23-1234	EA	1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	73.72	34.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1235	EA	2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	96.00	44.13
23 21 13 23-1236	EA	1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	43.55	21.76
23 21 13 23-1237	EA	3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	51.77	24.33
23 21 13 23-1238	EA	1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	56.23	27.14
23 21 13 23-1239	EA	1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	97.76	34.72
23 21 13 23-1240	EA	2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	129.98	44.13
23 21 13 23-1241		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1242	EA	1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	41.24	25.79
23 21 13 23-1243	EA	1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	46.52	27.14
23 21 13 23-1244	EA	3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	54.89	31.42
23 21 13 23-1245	EA	1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	66.33	37.04
23 21 13 23-1246	EA	1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	101.50	52.57
23 21 13 23-1247	EA	2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	125.85	65.28
23 21 13 23-1248	EA	1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	42.12	25.79
23 21 13 23-1249	EA	1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	47.09	27.14
23 21 13 23-1250	EA	3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	56.81	31.42
23 21 13 23-1251	EA	1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	67.97	37.04
23 21 13 23-1252	EA	1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	107.19	52.57
23 21 13 23-1253	EA	2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	135.28	65.28
23 21 13 23-1254	EA	1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	51.43	27.14
23 21 13 23-1255	EA	3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	61.47	31.42
23 21 13 23-1256	EA	1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	79.49	37.04
23 21 13 23-1257	EA	1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	120.28	52.57
23 21 13 23-1258	EA	2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	177.00	65.28
23 21 13 23-1259		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1260	EA	1/4" Cross, 2,000 Lb., Screwed Carbon Steel	58.95	32.64
23 21 13 23-1261	EA	1/2" Cross, 2,000 Lb., Screwed Carbon Steel	68.41	36.67
23 21 13 23-1262	EA	3/4" Cross, 2,000 Lb., Screwed Carbon Steel	73.26	39.12
23 21 13 23-1263	EA	1" Cross, 2,000 Lb., Screwed Carbon Steel	89.84	47.19
23 21 13 23-1264	EA	1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	144.88	66.01
23 21 13 23-1265	EA	2" Cross, 2,000 Lb., Screwed Carbon Steel	184.39	81.54
23 21 13 23-1266	EA	1/2" Cross, 3,000 Lb., Screwed Carbon Steel	69.50	36.67
23 21 13 23-1267	EA	3/4" Cross, 3,000 Lb., Screwed Carbon Steel	79.49	39.12
23 21 13 23-1268	EA	1" Cross, 3,000 Lb., Screwed Carbon Steel	95.28	47.19
23 21 13 23-1269	EA	1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	152.74	66.01
23 21 13 23-1270	EA	2" Cross, 3,000 Lb., Screwed Carbon Steel	198.75	81.54
23 21 13 23-1271	EA	1/2" Cross, 6,000 Lb., Screwed Carbon Steel	89.79	36.67
23 21 13 23-1272	EA	3/4" Cross, 6,000 Lb., Screwed Carbon Steel	134.88	39.12
23 21 13 23-1273	EA	1" Cross, 6,000 Lb., Screwed Carbon Steel	180.64	47.19
23 21 13 23-1274	EA	1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	279.67	66.01
23 21 13 23-1275	EA	2" Cross, 6,000 Lb., Screwed Carbon Steel	312.89	81.54
23 21 13 23-1276		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1277	EA	1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	29.91	18.58
23 21 13 23-1278	EA	1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	34.40	21.76
23 21 13 23-1279	EA	3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	38.97	24.33
23 21 13 23-1280	EA	1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	44.48	27.14
23 21 13 23-1281	EA	1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	61.40	34.72
23 21 13 23-1282	EA	2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	77.96	44.13
23 21 13 23-1283	EA	1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	32.51	18.58
23 21 13 23-1284	EA	1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	36.05	21.76
23 21 13 23-1285	EA	3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	40.23	24.33
23 21 13 23-1286	EA	1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	46.16	27.14
23 21 13 23-1287	EA	1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	63.98	34.72
23 21 13 23-1288	EA	2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	87.36	44.13
23 21 13 23-1289		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1290	EA	1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	30.27	19.81
23 21 13 23-1291	EA	1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	35.25	21.76
23 21 13 23-1292	EA	3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	40.27	24.33
23 21 13 23-1293	EA	1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	46.29	27.14
23 21 13 23-1294	EA	1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	61.87	34.72
23 21 13 23-1295	EA	2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	80.50	44.13
23 21 13 23-1296	EA	1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	68.57	21.76
23 21 13 23-1297	EA	3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	72.46	24.33
23 21 13 23-1298	EA	1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	83.80	27.14
23 21 13 23-1299	EA	1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	117.36	34.72
23 21 13 23-1300	EA	2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	164.48	44.13
23 21 13 23-1301		**Caps, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1302	EA	1/4" Cap, 3,000 Lb., Screwed Carbon Steel	14.04	8.31
23 21 13 23-1303	EA	1/2" Cap, 3,000 Lb., Screwed Carbon Steel	16.33	9.66
23 21 13 23-1304	EA	3/4" Cap, 3,000 Lb., Screwed Carbon Steel	18.73	10.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1305	EA	1" Cap, 3,000 Lb., Screwed Carbon Steel	21.90	12.11
23 21 13 23-1306	EA	1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	29.10	15.40
23 21 13 23-1307	EA	2" Cap, 3,000 Lb., Screwed Carbon Steel	38.58	19.69
23 21 13 23-1308	EA	1/4" Cap, 6,000 Lb., Screwed Carbon Steel	17.16	8.31
23 21 13 23-1309	EA	1/2" Cap, 6,000 Lb., Screwed Carbon Steel	18.33	9.66
23 21 13 23-1310	EA	3/4" Cap, 6,000 Lb., Screwed Carbon Steel	21.99	10.88
23 21 13 23-1311	EA	1" Cap, 6,000 Lb., Screwed Carbon Steel	24.28	12.11
23 21 13 23-1312	EA	1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	38.80	15.40
23 21 13 23-1313	EA	2" Cap, 6,000 Lb., Screwed Carbon Steel	48.03	19.69
23 21 13 23-1314		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1315	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	18.24	11.12
23 21 13 23-1316	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	18.64	11.61
23 21 13 23-1317	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	18.57	11.61
23 21 13 23-1318	EA	1" Nipple, 2" Long, Screwed Carbon Steel	20.39	12.59
23 21 13 23-1319	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	22.76	13.57
23 21 13 23-1320	EA	2" Nipple, 2" Long, Screwed Carbon Steel	28.09	17.48
23 21 13 23-1321	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	18.84	11.12
23 21 13 23-1322	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	19.12	11.61
23 21 13 23-1323	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	19.10	11.61
23 21 13 23-1324	EA	1" Nipple, 4" Long, Screwed Carbon Steel	21.11	12.59
23 21 13 23-1325	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	24.04	13.57
23 21 13 23-1326	EA	2" Nipple, 4" Long, Screwed Carbon Steel	29.97	17.48
23 21 13 23-1327	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	20.26	11.12
23 21 13 23-1328	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	19.87	11.61
23 21 13 23-1329	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	19.94	11.61
23 21 13 23-1330	EA	1" Nipple, 6" Long, Screwed Carbon Steel	22.15	12.59
23 21 13 23-1331	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	25.80	13.57
23 21 13 23-1332	EA	2" Nipple, 6" Long, Screwed Carbon Steel	31.53	17.48
23 21 13 23-1333		**Unions, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1334	EA	1/4" Union, 3,000 Lb., Screwed Carbon Steel	38.78	27.01
23 21 13 23-1335	EA	1/2" Union, 3,000 Lb., Screwed Carbon Steel	41.77	27.14
23 21 13 23-1336	EA	3/4" Union, 3,000 Lb., Screwed Carbon Steel	48.07	31.42
23 21 13 23-1337	EA	1" Union, 3,000 Lb., Screwed Carbon Steel	57.10	37.04
23 21 13 23-1338	EA	1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	81.45	52.57
23 21 13 23-1339	EA	2" Union, 3,000 Lb., Screwed Carbon Steel	101.06	65.28
23 21 13 23-1340	EA	1/4" Union, 6,000 Lb., Screwed Carbon Steel	52.60	27.01
23 21 13 23-1341	EA	1/2" Union, 6,000 Lb., Screwed Carbon Steel	58.47	27.14
23 21 13 23-1342	EA	3/4" Union, 6,000 Lb., Screwed Carbon Steel	68.30	31.42
23 21 13 23-1343	EA	1" Union, 6,000 Lb., Screwed Carbon Steel	82.03	37.04
23 21 13 23-1344	EA	1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	132.42	52.57
23 21 13 23-1345	EA	2" Union, 6,000 Lb., Screwed Carbon Steel	163.79	65.28
23 21 13 23-1346		**Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1347	EA	1/2" Flange, 150 Lb., Screwed Carbon Steel	83.10	50.49
23 21 13 23-1348	EA	3/4" Flange, 150 Lb., Screwed Carbon Steel	87.01	52.93
23 21 13 23-1349	EA	1" Flange, 150 Lb., Screwed Carbon Steel	90.45	55.25
23 21 13 23-1350	EA	1-1/2" Flange, 150 Lb., Screwed Carbon Steel	101.16	62.23
23 21 13 23-1351	EA	2" Flange, 150 Lb., Screwed Carbon Steel	105.23	64.92
23 21 13 23-1352	EA	1/2" Flange, 300 Lb., Screwed Carbon Steel	83.57	50.49
		For Ring Type Joint, Add	*7.81*	
		For Blind Flange, Deduct	*-31.87*	
23 21 13 23-1353	EA	3/4" Flange, 300 Lb., Screwed Carbon Steel	87.51	52.93
		For Ring Type Joint, Add	*8.08*	
		For Blind Flange, Deduct	*-33.39*	
23 21 13 23-1354	EA	1" Flange, 300 Lb., Screwed Carbon Steel	91.20	55.25
		For Ring Type Joint, Add	*8.33*	
		For Blind Flange, Deduct	*-34.81*	
23 21 13 23-1355	EA	1-1/2" Flange, 300 Lb., Screwed Carbon Steel	102.96	62.23
		For Ring Type Joint, Add	*9.64*	
		For Blind Flange, Deduct	*-39.26*	
23 21 13 23-1356	EA	2" Flange, 300 Lb., Screwed Carbon Steel	107.03	64.92
		For Ring Type Joint, Add	*9.64*	
		For Blind Flange, Deduct	*-40.88*	
23 21 13 23-1357	EA	1/2" Flange, 600 Lb., Screwed Carbon Steel	86.65	50.49
		For Ring Type Joint, Add	*10.89*	
		For Blind Flange, Deduct	*-32.48*	
23 21 13 23-1358	EA	3/4" Flange, 600 Lb., Screwed Carbon Steel	90.32	52.93
		For Ring Type Joint, Add	*10.89*	
		For Blind Flange, Deduct	*-33.95*	
23 21 13 23-1359	EA	1" Flange, 600 Lb., Screwed Carbon Steel	94.25	55.25
		For Ring Type Joint, Add	*11.38*	
		For Blind Flange, Deduct	*-35.42*	
23 21 13 23-1360	EA	1-1/2" Flange, 600 Lb., Screwed Carbon Steel	106.74	62.23
		For Ring Type Joint, Add	*13.42*	
		For Blind Flange, Deduct	*-40.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1361	EA	2" Flange, 600 Lb., Screwed Carbon Steel	109.88	64.92
		For Ring Type Joint, Add	*12.49*	
		For Blind Flange, Deduct	*-41.45*	
23 21 13 23-1362		**Square Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1363	EA	1/4" Square Head Plug, Screwed Carbon Steel	5.79	3.42
23 21 13 23-1364	EA	1/2" Square Head Plug, Screwed Carbon Steel	6.94	4.04
23 21 13 23-1365	EA	3/4" Square Head Plug, Screwed Carbon Steel	7.99	4.65
23 21 13 23-1366	EA	1" Square Head Plug, Screwed Carbon Steel	11.68	6.84
23 21 13 23-1367	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	13.49	6.84
23 21 13 23-1368	EA	2" Square Head Plug, Screwed Carbon Steel	18.77	8.93
23 21 13 23-1369		**Hex Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1370	EA	1/4" Hex Head Plug, Screwed Carbon Steel	5.61	3.42
23 21 13 23-1371	EA	1/2" Hex Head Plug, Screwed Carbon Steel	6.77	4.04
23 21 13 23-1372	EA	3/4" Hex Head Plug, Screwed Carbon Steel	7.88	4.65
23 21 13 23-1373	EA	1" Hex Head Plug, Screwed Carbon Steel	11.58	6.84
23 21 13 23-1374	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	13.09	6.84
23 21 13 23-1375	EA	2" Hex Head Plug, Screwed Carbon Steel	19.06	8.93
23 21 13 23-1376		**Round Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1377	EA	1/4" Round Head Plug, Screwed Carbon Steel	6.20	3.42
23 21 13 23-1378	EA	1/2" Round Head Plug, Screwed Carbon Steel	6.97	4.04
23 21 13 23-1379	EA	3/4" Round Head Plug, Screwed Carbon Steel	7.91	4.65
23 21 13 23-1380	EA	1" Round Head Plug, Screwed Carbon Steel	11.75	6.84
23 21 13 23-1381	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	14.00	6.84
23 21 13 23-1382	EA	2" Round Head Plug, Screwed Carbon Steel	18.95	8.93
23 21 13 23-1383		**Hexagon Bushings, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1384	EA	1/4" Hex Bushing, Screwed Carbon Steel	5.75	3.42
23 21 13 23-1385	EA	1/2" Hex Bushing, Screwed Carbon Steel	6.77	4.04
23 21 13 23-1386	EA	3/4" Hex Bushing, Screwed Carbon Steel	7.83	4.65
23 21 13 23-1387	EA	1" Hex Bushing, Screwed Carbon Steel	11.71	6.84
23 21 13 23-1388	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	13.06	6.84
23 21 13 23-1389	EA	2" Hex Bushing, Screwed Carbon Steel	18.64	8.93
23 21 13 23-1390		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1197)*		
23 21 13 23-1391	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	34.38	18.58
23 21 13 23-1392	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	39.65	21.76
23 21 13 23-1393	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	45.55	24.33
23 21 13 23-1394	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	52.34	27.14
23 21 13 23-1395	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	76.83	34.72
23 21 13 23-1396	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	101.51	44.13
23 21 13 23-1397	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	49.09	21.76
23 21 13 23-1398	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	64.75	24.33
23 21 13 23-1399	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	84.47	27.14
23 21 13 23-1400	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	165.20	34.72
23 21 13 23-1401		**Screwed Carbon Steel Laterals** *(23 21 13 23-1197)*		
23 21 13 23-1402	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	105.79	27.14
23 21 13 23-1403	EA	3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	126.20	31.42
23 21 13 23-1404	EA	1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	153.41	37.04
23 21 13 23-1405	EA	1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	201.03	52.57
23 21 13 23-1406	EA	2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	250.51	65.28
23 21 13 23-1407	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	127.85	27.14
23 21 13 23-1408	EA	3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	159.00	31.42
23 21 13 23-1409	EA	1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	188.49	37.04
23 21 13 23-1410	EA	1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	265.52	52.57
23 21 13 23-1411		**Grooved-Joint Pipe** *(23 21 13 23)*		
		Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1412		**Schedule 10 Black Grooved Pipe** *(23 21 13 23-1411)*		
23 21 13 23-1413	LF	2" Black Schedule 10 Grooved Pipe	32.08	15.53
		For Work In Restricted Working Space, Add	*6.97*	
23 21 13 23-1414	LF	2-1/2" Black Schedule 10 Grooved Pipe	43.40	21.28
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-1415	LF	3" Black Schedule 10 Grooved Pipe	48.65	23.59
		For Work In Restricted Working Space, Add	*10.62*	
23 21 13 23-1416	LF	3-1/2" Black Schedule 10 Grooved Pipe	53.70	24.45
		For Work In Restricted Working Space, Add	*11.02*	
23 21 13 23-1417	LF	4" Black Schedule 10 Grooved Pipe	57.16	26.53
		For Work In Restricted Working Space, Add	*11.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1418	LF	5" Black Schedule 10 Grooved Pipe	79.29	32.52
		For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-1419	LF	6" Black Schedule 10 Grooved Pipe	103.46	46.21
		For Work In Restricted Working Space, Add	*20.76*	
23 21 13 23-1420	LF	8" Black Schedule 10 Grooved Pipe	138.14	51.83
		For Work In Restricted Working Space, Add	*23.30*	
23 21 13 23-1421	LF	10" Black Schedule 10 Grooved Pipe	172.47	62.47
		For Work In Restricted Working Space, Add	*28.09*	
23 21 13 23-1422	LF	12" Black Schedule 10 Grooved Pipe	198.60	70.78
		For Work In Restricted Working Space, Add	*31.84*	
23 21 13 23-1423		**Schedule 40 Black Grooved Pipe** *(23 21 13 23-1411)*		
23 21 13 23-1424	LF	3/4" Black Schedule 40 Grooved Pipe	19.27	9.41
		For Work In Restricted Working Space, Add	*4.22*	
23 21 13 23-1425	LF	1" Black Schedule 40 Grooved Pipe	21.75	10.64
		For Work In Restricted Working Space, Add	*4.76*	
23 21 13 23-1426	LF	1-1/4" Black Schedule 40 Grooved Pipe	24.58	11.49
		For Work In Restricted Working Space, Add	*5.17*	
23 21 13 23-1427	LF	1-1/2" Black Schedule 40 Grooved Pipe	27.97	13.08
		For Work In Restricted Working Space, Add	*5.88*	
23 21 13 23-1428	LF	2" Black Schedule 40 Grooved Pipe	35.31	16.63
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-1429	LF	2-1/2" Black Schedule 40 Grooved Pipe	49.05	22.74
		For Work In Restricted Working Space, Add	*10.25*	
23 21 13 23-1430	LF	3" Black Schedule 40 Grooved Pipe	57.63	25.92
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-1431	LF	4" Black Schedule 40 Grooved Pipe	69.85	28.85
		For Work In Restricted Working Space, Add	*12.98*	
23 21 13 23-1432	LF	5" Black Schedule 40 Grooved Pipe	94.84	35.08
		For Work In Restricted Working Space, Add	*15.79*	
23 21 13 23-1433	LF	6" Black Schedule 40 Grooved Pipe	128.52	50.61
		For Work In Restricted Working Space, Add	*22.74*	
23 21 13 23-1434	LF	8" Black Schedule 40 Grooved Pipe	167.84	57.34
		For Work In Restricted Working Space, Add	*25.81*	
23 21 13 23-1435	LF	10" Black Schedule 40 Grooved Pipe	228.33	68.46
		For Work In Restricted Working Space, Add	*30.81*	
23 21 13 23-1436	LF	12" Black Schedule 40 Grooved Pipe	268.36	78.60
		For Work In Restricted Working Space, Add	*35.37*	
23 21 13 23-1437	LF	14" Black Schedule 40 Grooved Pipe	354.92	106.23
		For Work In Restricted Working Space, Add	*47.75*	
23 21 13 23-1438	LF	16" Black Schedule 40 Grooved Pipe	412.23	124.94
		For Work In Restricted Working Space, Add	*56.18*	
23 21 13 23-1439	LF	18" Black Schedule 40 Grooved Pipe	510.78	151.71
		For Work In Restricted Working Space, Add	*68.22*	
23 21 13 23-1440	LF	20" Black Schedule 40 Grooved Pipe	589.59	176.89
		For Work In Restricted Working Space, Add	*79.59*	
23 21 13 23-1441	LF	24" Black Schedule 40 Grooved Pipe	765.36	212.35
		For Work In Restricted Working Space, Add	*95.51*	
23 21 13 23-1442		**Schedule 80 Black Grooved Pipe** *(23 21 13 23-1411)*		
23 21 13 23-1443	LF	3/4" Black Schedule 80 Grooved Pipe	21.11	10.27
		For Work In Restricted Working Space, Add	*4.61*	
23 21 13 23-1444	LF	1" Black Schedule 80 Grooved Pipe	23.30	10.88
		For Work In Restricted Working Space, Add	*4.91*	
23 21 13 23-1445	LF	1-1/4" Black Schedule 80 Grooved Pipe	27.15	12.11
		For Work In Restricted Working Space, Add	*5.45*	
23 21 13 23-1446	LF	1-1/2" Black Schedule 80 Grooved Pipe	30.85	13.57
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-1447	LF	2" Black Schedule 80 Grooved Pipe	39.90	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-1448	LF	2-1/2" Black Schedule 80 Grooved Pipe	56.01	24.08
		For Work In Restricted Working Space, Add	*10.82*	
23 21 13 23-1449	LF	3" Black Schedule 80 Grooved Pipe	66.33	27.01
		For Work In Restricted Working Space, Add	*12.17*	
23 21 13 23-1450	LF	4" Black Schedule 80 Grooved Pipe	82.04	29.46
		For Work In Restricted Working Space, Add	*13.27*	
23 21 13 23-1451	LF	5" Black Schedule 80 Grooved Pipe	123.02	37.04
		For Work In Restricted Working Space, Add	*16.69*	
23 21 13 23-1452	LF	6" Black Schedule 80 Grooved Pipe	161.53	53.06
		For Work In Restricted Working Space, Add	*23.88*	
23 21 13 23-1453	LF	8" Black Schedule 80 Grooved Pipe	236.34	60.64
		For Work In Restricted Working Space, Add	*27.29*	
23 21 13 23-1454	LF	10" Black Schedule 80 Grooved Pipe	293.48	73.23
		For Work In Restricted Working Space, Add	*32.93*	
23 21 13 23-1455	LF	12" Black Schedule 80 Grooved Pipe	312.39	88.51
		For Work In Restricted Working Space, Add	*39.80*	
23 21 13 23-1456		**Schedule 40 Galvanized Grooved Pipe** *(23 21 13 23-1411)*		
23 21 13 23-1457	LF	3/4" Galvanized Schedule 40 Grooved Pipe	20.40	9.41
		For Work In Restricted Working Space, Add	*4.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1458	LF	1" Galvanized Schedule 40 Grooved Pipe	23.61	10.64
		For Work In Restricted Working Space, Add	*4.76*	
23 21 13 23-1459	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	26.28	11.49
		For Work In Restricted Working Space, Add	*5.17*	
23 21 13 23-1460	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	29.92	13.08
		For Work In Restricted Working Space, Add	*5.88*	
23 21 13 23-1461	LF	2" Galvanized Schedule 40 Grooved Pipe	37.85	16.63
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-1462	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	52.94	22.74
		For Work In Restricted Working Space, Add	*10.25*	
23 21 13 23-1463	LF	3" Galvanized Schedule 40 Grooved Pipe	62.72	25.92
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-1464	LF	4" Galvanized Schedule 40 Grooved Pipe	77.05	28.85
		For Work In Restricted Working Space, Add	*12.98*	
23 21 13 23-1465	LF	5" Galvanized Schedule 40 Grooved Pipe	107.63	35.08
		For Work In Restricted Working Space, Add	*15.79*	
23 21 13 23-1466	LF	6" Galvanized Schedule 40 Grooved Pipe	145.50	50.61
		For Work In Restricted Working Space, Add	*22.74*	
23 21 13 23-1467	LF	8" Galvanized Schedule 40 Grooved Pipe	192.12	57.34
		For Work In Restricted Working Space, Add	*25.81*	
23 21 13 23-1468	LF	10" Galvanized Schedule 40 Grooved Pipe	269.39	68.46
		For Work In Restricted Working Space, Add	*30.81*	
23 21 13 23-1469	LF	12" Galvanized Schedule 40 Grooved Pipe	317.93	78.60
		For Work In Restricted Working Space, Add	*35.37*	

23 21 13 23-1470 Schedule 80 Galvanized Grooved Pipe *(23 21 13 23-1411)*

23 21 13 23-1471	LF	3/4" Galvanized Schedule 80 Grooved Pipe	21.94	10.27
		For Work In Restricted Working Space, Add	*4.61*	
23 21 13 23-1472	LF	1" Galvanized Schedule 80 Grooved Pipe	28.30	10.88
		For Work In Restricted Working Space, Add	*4.91*	
23 21 13 23-1473	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	28.74	12.11
		For Work In Restricted Working Space, Add	*5.45*	
23 21 13 23-1474	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	37.42	14.42
		For Work In Restricted Working Space, Add	*6.51*	
23 21 13 23-1475	LF	2" Galvanized Schedule 80 Grooved Pipe	42.47	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-1476	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	60.03	24.08
		For Work In Restricted Working Space, Add	*10.82*	
23 21 13 23-1477	LF	3" Galvanized Schedule 80 Grooved Pipe	71.98	27.01
		For Work In Restricted Working Space, Add	*12.17*	
23 21 13 23-1478	LF	4" Galvanized Schedule 80 Grooved Pipe	90.07	29.46
		For Work In Restricted Working Space, Add	*13.27*	
23 21 13 23-1479	LF	5" Galvanized Schedule 80 Grooved Pipe	134.77	37.04
		For Work In Restricted Working Space, Add	*16.69*	
23 21 13 23-1480	LF	6" Galvanized Schedule 80 Grooved Pipe	175.28	53.06
		For Work In Restricted Working Space, Add	*23.88*	
23 21 13 23-1481	LF	8" Galvanized Schedule 80 Grooved Pipe	259.89	60.64
		For Work In Restricted Working Space, Add	*27.29*	
23 21 13 23-1482	LF	10" Galvanized Schedule 80 Grooved Pipe	309.42	73.23
		For Work In Restricted Working Space, Add	*32.93*	
23 21 13 23-1483	LF	12" Galvanized Schedule 80 Grooved Pipe	340.56	88.51
		For Work In Restricted Working Space, Add	*39.80*	

23 21 13 23-1484 Painted Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-1485 Grooved Elbows *(23 21 13 23-1484)*

23 21 13 23-1486 90 Degree Grooved Elbows *(23 21 13 23-1485)*

Note: Victaulic No. 10

23 21 13 23-1487	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	84.55	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1488	EA	1", Ductile Iron, Grooved 90 Degree Elbow	84.55	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1489	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	89.54	16.63
		For Work In Restricted Working Space, Add	*7.49*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1490	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	94.83	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1491	EA	2", Ductile Iron, Grooved 90 Degree Elbow	104.52	26.65
		For Work In Restricted Working Space, Add	*11.99*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1492	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	113.23	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*21.31*	
23 21 13 23-1493	EA	3", Ductile Iron, Grooved 90 Degree Elbow	173.70	39.36
		For Work In Restricted Working Space, Add	*17.70*	
		For Galvanized Fittings, Add	*37.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1494	EA	4", Ductile Iron, Grooved 90 Degree Elbow	202.81	51.95
		For Work In Restricted Working Space, Add	*23.36*	
		For Galvanized Fittings, Add	*41.23*	
23 21 13 23-1495	EA	5", Ductile Iron, Grooved 90 Degree Elbow	401.46	64.92
		For Work In Restricted Working Space, Add	*29.20*	
		For Galvanized Fittings, Add	*100.36*	
23 21 13 23-1496	EA	6", Ductile Iron, Grooved 90 Degree Elbow	480.79	84.96
		For Work In Restricted Working Space, Add	*38.20*	
		For Galvanized Fittings, Add	*116.64*	
23 21 13 23-1497	EA	8", Ductile Iron, Grooved 90 Degree Elbow	895.49	101.10
		For Work In Restricted Working Space, Add	*45.48*	
		For Galvanized Fittings, Add	*245.48*	
23 21 13 23-1498	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,335.84	117.96
		For Work In Restricted Working Space, Add	*53.06*	
		For Galvanized Fittings, Add	*382.46*	
23 21 13 23-1499	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,069.90	141.57
		For Work In Restricted Working Space, Add	*63.67*	
		For Galvanized Fittings, Add	*613.03*	
23 21 13 23-1500	EA	14", Steel, Grooved 90 Degree Elbow	4,102.88	159.78
		For Work In Restricted Working Space, Add	*71.88*	
		For Galvanized Fittings, Add	*1,274.88*	
23 21 13 23-1501	EA	16", Steel, Grooved 90 Degree Elbow	5,320.41	176.89
		For Work In Restricted Working Space, Add	*79.58*	
		For Galvanized Fittings, Add	*1,668.19*	
23 21 13 23-1502	EA	18", Steel, Grooved 90 Degree Elbow	6,701.10	193.28
		For Work In Restricted Working Space, Add	*86.91*	
		For Galvanized Fittings, Add	*2,115.76*	
23 21 13 23-1503	EA	20", Steel, Grooved 90 Degree Elbow	8,726.62	200.97
		For Work In Restricted Working Space, Add	*90.42*	
		For Galvanized Fittings, Add	*2,780.32*	
23 21 13 23-1504	EA	24", Steel, Grooved 90 Degree Elbow	12,480.30	237.65
		For Work In Restricted Working Space, Add	*106.86*	
		For Galvanized Fittings, Add	*4,000.95*	

23 21 13 23-1505 45 Degree Grooved Elbows *(23 21 13 23-1485)*

Note: Victaulic No. 11

23 21 13 23-1506	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	84.51	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1507	EA	1", Ductile Iron, Grooved 45 Degree Elbow	84.51	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1508	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	89.50	16.63
		For Work In Restricted Working Space, Add	*7.49*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1509	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	94.79	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1510	EA	2", Ductile Iron, Grooved 45 Degree Elbow	104.48	26.65
		For Work In Restricted Working Space, Add	*11.99*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1511	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	113.19	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*15.49*	
23 21 13 23-1512	EA	3", Ductile Iron, Grooved 45 Degree Elbow	173.66	39.36
		For Work In Restricted Working Space, Add	*17.70*	
		For Galvanized Fittings, Add	*27.52*	
23 21 13 23-1513	EA	4", Ductile Iron, Grooved 45 Degree Elbow	202.81	51.95
		For Work In Restricted Working Space, Add	*23.36*	
		For Galvanized Fittings, Add	*29.99*	
23 21 13 23-1514	EA	5", Ductile Iron, Grooved 45 Degree Elbow	401.46	64.92
		For Work In Restricted Working Space, Add	*29.20*	
		For Galvanized Fittings, Add	*72.99*	
23 21 13 23-1515	EA	6", Ductile Iron, Grooved 45 Degree Elbow	480.79	84.96
		For Work In Restricted Working Space, Add	*38.20*	
		For Galvanized Fittings, Add	*84.83*	
23 21 13 23-1516	EA	8", Ductile Iron, Grooved 45 Degree Elbow	895.49	101.10
		For Work In Restricted Working Space, Add	*45.48*	
		For Galvanized Fittings, Add	*178.53*	
23 21 13 23-1517	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,335.84	117.96
		For Work In Restricted Working Space, Add	*53.06*	
		For Galvanized Fittings, Add	*278.16*	
23 21 13 23-1518	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,069.90	141.57
		For Work In Restricted Working Space, Add	*63.67*	
		For Galvanized Fittings, Add	*445.84*	
23 21 13 23-1519	EA	14", Steel, Grooved 45 Degree Elbow	4,102.88	159.78
		For Work In Restricted Working Space, Add	*71.88*	
		For Galvanized Fittings, Add	*927.18*	
23 21 13 23-1520	EA	16", Steel, Grooved 45 Degree Elbow	5,320.41	176.89
		For Work In Restricted Working Space, Add	*79.58*	
		For Galvanized Fittings, Add	*1,213.23*	
23 21 13 23-1521	EA	18", Steel, Grooved 45 Degree Elbow	6,701.10	193.28
		For Work In Restricted Working Space, Add	*86.91*	
		For Galvanized Fittings, Add	*1,538.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1522	EA	20", Steel, Grooved 45 Degree Elbow	8,727.16	201.34
		For Work In Restricted Working Space, Add	*90.58*	
		For Galvanized Fittings, Add	*2,022.05*	
23 21 13 23-1523	EA	24", Steel, Grooved 45 Degree Elbow	12,480.30	237.65
		For Work In Restricted Working Space, Add	*106.86*	
		For Galvanized Fittings, Add	*2,909.78*	

23 21 13 23-1524 22-1/2 Degree Grooved Elbows *(23 21 13 23-1485)*

Note: Victaulic No. 12

23 21 13 23-1525	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	88.75	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1526	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	93.74	16.63
		For Work In Restricted Working Space, Add	*7.49*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1527	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	99.03	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1528	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	108.72	26.65
		For Work In Restricted Working Space, Add	*11.99*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1529	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	117.43	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*16.50*	
23 21 13 23-1530	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	159.58	39.36
		For Work In Restricted Working Space, Add	*17.70*	
		For Galvanized Fittings, Add	*24.14*	
23 21 13 23-1531	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	212.75	51.95
		For Work In Restricted Working Space, Add	*23.36*	
		For Galvanized Fittings, Add	*32.37*	
23 21 13 23-1532	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	515.61	64.92
		For Work In Restricted Working Space, Add	*29.20*	
		For Galvanized Fittings, Add	*100.39*	
23 21 13 23-1533	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	509.45	84.96
		For Work In Restricted Working Space, Add	*38.20*	
		For Galvanized Fittings, Add	*91.71*	
23 21 13 23-1534	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	951.10	101.10
		For Work In Restricted Working Space, Add	*45.48*	
		For Galvanized Fittings, Add	*191.88*	
23 21 13 23-1535	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,274.47	117.96
		For Work In Restricted Working Space, Add	*53.06*	
		For Galvanized Fittings, Add	*263.43*	
23 21 13 23-1536	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,696.11	141.57
		For Work In Restricted Working Space, Add	*63.67*	
		For Galvanized Fittings, Add	*356.13*	
23 21 13 23-1537	EA	14", Steel, Grooved 22-1/2 Degree Elbow	1,953.52	159.78
		For Work In Restricted Working Space, Add	*71.88*	
		For Galvanized Fittings, Add	*411.34*	
23 21 13 23-1538	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,320.88	176.89
		For Work In Restricted Working Space, Add	*79.58*	
		For Galvanized Fittings, Add	*493.34*	
23 21 13 23-1539	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,779.20	193.28
		For Work In Restricted Working Space, Add	*86.91*	
		For Galvanized Fittings, Add	*597.48*	
23 21 13 23-1540	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,244.64	200.97
		For Work In Restricted Working Space, Add	*90.42*	
		For Galvanized Fittings, Add	*706.38*	
23 21 13 23-1541	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,311.28	237.65
		For Work In Restricted Working Space, Add	*106.86*	
		For Galvanized Fittings, Add	*949.22*	

23 21 13 23-1542 11-1/4 Degree Grooved Elbows *(23 21 13 23-1485)*

Note: Victaulic No. 13

23 21 13 23-1543	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	88.76	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1544	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	93.75	16.63
		For Work In Restricted Working Space, Add	*7.49*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1545	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	99.04	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1546	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	108.73	26.65
		For Work In Restricted Working Space, Add	*11.99*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1547	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	117.44	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*16.51*	
23 21 13 23-1548	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	159.57	39.36
		For Work In Restricted Working Space, Add	*17.70*	
		For Galvanized Fittings, Add	*24.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1549	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	212.74	51.95
		For Work In Restricted Working Space, Add	*23.36*	
		For Galvanized Fittings, Add	*32.37*	
23 21 13 23-1550	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	515.58	64.92
		For Work In Restricted Working Space, Add	*29.20*	
		For Galvanized Fittings, Add	*100.38*	
23 21 13 23-1551	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	509.43	84.96
		For Work In Restricted Working Space, Add	*38.20*	
		For Galvanized Fittings, Add	*91.70*	
23 21 13 23-1552	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	951.05	101.10
		For Work In Restricted Working Space, Add	*45.48*	
		For Galvanized Fittings, Add	*191.87*	
23 21 13 23-1553	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,274.41	117.96
		For Work In Restricted Working Space, Add	*53.06*	
		For Galvanized Fittings, Add	*263.41*	
23 21 13 23-1554	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,696.03	141.57
		For Work In Restricted Working Space, Add	*63.67*	
		For Galvanized Fittings, Add	*356.11*	
23 21 13 23-1555	EA	14", Steel, Grooved 11-1/4 Degree Elbow	1,953.43	159.78
		For Work In Restricted Working Space, Add	*71.89*	
		For Galvanized Fittings, Add	*411.31*	
23 21 13 23-1556	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,320.81	177.01
		For Work In Restricted Working Space, Add	*79.60*	
		For Galvanized Fittings, Add	*493.32*	
23 21 13 23-1557	EA	18", Steel, Grooved 11-1/4 Degree Elbow	2,779.03	193.28
		For Work In Restricted Working Space, Add	*86.90*	
		For Galvanized Fittings, Add	*597.44*	
23 21 13 23-1558	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,244.48	200.97
		For Work In Restricted Working Space, Add	*90.42*	
		For Galvanized Fittings, Add	*706.34*	
23 21 13 23-1559	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,311.07	237.65
		For Work In Restricted Working Space, Add	*106.86*	
		For Galvanized Fittings, Add	*949.17*	

23 21 13 23-1560 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1485)*

Note: Victaulic No. 100

23 21 13 23-1561	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	187.57	26.65
		For Work In Restricted Working Space, Add	*11.99*	
		For Galvanized Fittings, Add	*35.43*	
23 21 13 23-1562	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	477.00	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*102.80*	
23 21 13 23-1563	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	206.61	39.36
		For Work In Restricted Working Space, Add	*17.70*	
		For Galvanized Fittings, Add	*35.43*	
23 21 13 23-1564	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	299.01	51.95
		For Work In Restricted Working Space, Add	*23.36*	
		For Galvanized Fittings, Add	*53.07*	
23 21 13 23-1565	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,230.79	64.92
		For Work In Restricted Working Space, Add	*29.20*	
		For Galvanized Fittings, Add	*272.03*	
23 21 13 23-1566	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	774.25	84.96
		For Work In Restricted Working Space, Add	*38.20*	
		For Galvanized Fittings, Add	*155.26*	
23 21 13 23-1567	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,703.32	101.10
		For Work In Restricted Working Space, Add	*45.48*	
		For Galvanized Fittings, Add	*372.41*	
23 21 13 23-1568	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,394.23	117.96
		For Work In Restricted Working Space, Add	*53.06*	
		For Galvanized Fittings, Add	*772.17*	
23 21 13 23-1569	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,048.95	141.57
		For Work In Restricted Working Space, Add	*63.67*	
		For Galvanized Fittings, Add	*920.81*	

23 21 13 23-1570 Grooved Tees, Wyes And Crosses *(23 21 13 23-1484)*

23 21 13 23-1571 Grooved Tees *(23 21 13 23-1570)*

Note: Victaulic No. 20

23 21 13 23-1572	EA	3/4", Ductile Iron, Grooved Tee	124.96	17.48
		For Work In Restricted Working Space, Add	*7.89*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1573	EA	1", Ductile Iron, Grooved Tee	128.93	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1574	EA	1-1/4", Ductile Iron, Grooved Tee	135.66	24.70
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1575	EA	1-1/2", Ductile Iron, Grooved Tee	144.07	30.31
		For Work In Restricted Working Space, Add	*13.62*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1576	EA	2", Ductile Iron, Grooved Tee	157.42	39.24
		For Work In Restricted Working Space, Add	*17.63*	
		For Galvanized Fittings, Add	*29.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1577	EA	2-1/2", Ductile Iron, Grooved Tee	170.77	48.05
		For Work In Restricted Working Space, Add	*21.63*	
		For Galvanized Fittings, Add	*29.60*	
23 21 13 23-1578	EA	3", Ductile Iron, Grooved Tee	226.71	59.05
		For Work In Restricted Working Space, Add	*26.55*	
		For Galvanized Fittings, Add	*41.47*	
23 21 13 23-1579	EA	4", Ductile Iron, Grooved Tee	326.53	76.41
		For Work In Restricted Working Space, Add	*34.35*	
		For Galvanized Fittings, Add	*63.61*	
23 21 13 23-1580	EA	5", Ductile Iron, Grooved Tee	647.17	99.88
		For Work In Restricted Working Space, Add	*44.92*	
		For Galvanized Fittings, Add	*149.23*	
23 21 13 23-1581	EA	6", Ductile Iron, Grooved Tee	762.16	124.94
		For Work In Restricted Working Space, Add	*56.18*	
		For Galvanized Fittings, Add	*172.47*	
23 21 13 23-1582	EA	8", Ductile Iron, Grooved Tee	1,483.18	151.71
		For Work In Restricted Working Space, Add	*68.22*	
		For Galvanized Fittings, Add	*376.74*	
23 21 13 23-1583	EA	10", Ductile Iron, Grooved Tee	2,507.79	176.89
		For Work In Restricted Working Space, Add	*79.59*	
		For Galvanized Fittings, Add	*672.75*	
23 21 13 23-1584	EA	12", Ductile Iron, Grooved Tee	3,457.85	212.35
		For Work In Restricted Working Space, Add	*95.51*	
		For Galvanized Fittings, Add	*941.85*	
23 21 13 23-1585	EA	14", Steel, Grooved Tee	3,778.61	235.94
		For Work In Restricted Working Space, Add	*106.12*	
		For Galvanized Fittings, Add	*1,027.47*	
23 21 13 23-1586	EA	16", Steel, Grooved Tee	4,718.40	237.29
		For Work In Restricted Working Space, Add	*106.72*	
		For Galvanized Fittings, Add	*1,308.80*	
23 21 13 23-1587	EA	18", Steel, Grooved Tee	5,855.89	261.73
		For Work In Restricted Working Space, Add	*117.71*	
		For Galvanized Fittings, Add	*1,639.06*	
23 21 13 23-1588	EA	20", Steel, Grooved Tee	8,226.90	265.89
		For Work In Restricted Working Space, Add	*119.57*	
		For Galvanized Fittings, Add	*2,348.50*	
23 21 13 23-1589	EA	24", Steel, Grooved Tee	12,517.68	326.65
		For Work In Restricted Working Space, Add	*146.93*	
		For Galvanized Fittings, Add	*3,608.37*	

23 21 13 23-1590 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1570)*

Note: Victaulic No. 33

23 21 13 23-1591	EA	1", Steel, Grooved Wye	446.58	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1592	EA	1-1/4", Steel, Grooved Wye	453.31	24.70
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1593	EA	1-1/2", Steel, Grooved Wye	461.72	30.31
		For Work In Restricted Working Space, Add	*13.62*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1594	EA	2", Steel, Grooved Wye	475.07	39.24
		For Work In Restricted Working Space, Add	*17.63*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1595	EA	2-1/2", Steel, Grooved Wye	488.42	48.05
		For Work In Restricted Working Space, Add	*21.63*	
		For Galvanized Fittings, Add	*66.61*	
23 21 13 23-1596	EA	3", Steel, Grooved Wye	586.13	59.05
		For Work In Restricted Working Space, Add	*26.55*	
		For Galvanized Fittings, Add	*79.62*	
23 21 13 23-1597	EA	4", Steel, Grooved Wye	766.33	76.41
		For Work In Restricted Working Space, Add	*34.35*	
		For Galvanized Fittings, Add	*104.29*	
23 21 13 23-1598	EA	5", Steel, Grooved Wye	1,084.03	99.88
		For Work In Restricted Working Space, Add	*44.92*	
		For Galvanized Fittings, Add	*149.49*	
23 21 13 23-1599	EA	6", Steel, Grooved Wye	1,343.25	124.94
		For Work In Restricted Working Space, Add	*56.18*	
		For Galvanized Fittings, Add	*184.96*	
23 21 13 23-1600	EA	8", Steel, Grooved Wye	1,892.32	151.71
		For Work In Restricted Working Space, Add	*68.22*	
		For Galvanized Fittings, Add	*266.39*	
23 21 13 23-1601	EA	10", Steel, Grooved Wye	3,138.95	176.89
		For Work In Restricted Working Space, Add	*79.59*	
		For Galvanized Fittings, Add	*459.78*	
23 21 13 23-1602	EA	12", Steel, Grooved Wye	3,493.07	212.35
		For Work In Restricted Working Space, Add	*95.51*	
		For Galvanized Fittings, Add	*507.95*	
23 21 13 23-1603	EA	14", Steel, Grooved Wye	3,978.89	235.94
		For Work In Restricted Working Space, Add	*106.12*	
		For Galvanized Fittings, Add	*580.03*	
23 21 13 23-1604	EA	16", Steel, Grooved Wye	5,064.00	237.04
		For Work In Restricted Working Space, Add	*106.61*	
		For Galvanized Fittings, Add	*753.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1605	EA	18", Steel, Grooved Wye	5,778.94	261.98
		For Work In Restricted Working Space, Add	*117.85*	
		For Galvanized Fittings, Add	*861.78*	
23 21 13 23-1606	EA	20", Steel, Grooved Wye	8,209.64	265.40
		For Work In Restricted Working Space, Add	*119.38*	
		For Galvanized Fittings, Add	*1,249.87*	
23 21 13 23-1607	EA	24", Steel, Grooved Wye	12,634.77	326.65
		For Work In Restricted Working Space, Add	*146.93*	
		For Galvanized Fittings, Add	*1,943.20*	

23 21 13 23-1608 Grooved Crosses *(23 21 13 23-1570)*

Note: Victaulic No. 35

23 21 13 23-1609	EA	3/4", Steel, Grooved Cross	308.95	26.29
		For Work In Restricted Working Space, Add	*11.83*	
		For Galvanized Fittings, Add	*40.43*	
23 21 13 23-1610	EA	1", Steel, Grooved Cross	314.93	30.31
		For Work In Restricted Working Space, Add	*13.62*	
		For Galvanized Fittings, Add	*40.43*	
23 21 13 23-1611	EA	1-1/4", Steel, Grooved Cross	380.79	37.04
		For Work In Restricted Working Space, Add	*16.64*	
		For Galvanized Fittings, Add	*48.80*	
23 21 13 23-1612	EA	1-1/2", Steel, Grooved Cross	418.63	45.48
		For Work In Restricted Working Space, Add	*20.43*	
		For Galvanized Fittings, Add	*52.58*	
23 21 13 23-1613	EA	2", Steel, Grooved Cross	286.22	58.81
		For Work In Restricted Working Space, Add	*26.44*	
		For Galvanized Fittings, Add	*29.72*	
23 21 13 23-1614	EA	2-1/2", Steel, Grooved Cross	306.24	72.12
		For Work In Restricted Working Space, Add	*32.44*	
		For Galvanized Fittings, Add	*29.72*	
23 21 13 23-1615	EA	3", Steel, Grooved Cross	488.69	88.51
		For Work In Restricted Working Space, Add	*39.82*	
		For Galvanized Fittings, Add	*53.40*	
23 21 13 23-1616	EA	4", Steel, Grooved Cross	764.33	114.54
		For Work In Restricted Working Space, Add	*51.53*	
		For Galvanized Fittings, Add	*88.88*	
23 21 13 23-1617	EA	5", Steel, Grooved Cross	1,435.17	149.76
		For Work In Restricted Working Space, Add	*67.38*	
		For Galvanized Fittings, Add	*181.58*	
23 21 13 23-1618	EA	6", Steel, Grooved Cross	1,838.41	187.41
		For Work In Restricted Working Space, Add	*84.27*	
		For Galvanized Fittings, Add	*233.63*	
23 21 13 23-1619	EA	8", Steel, Grooved Cross	2,392.33	227.50
		For Work In Restricted Working Space, Add	*102.33*	
		For Galvanized Fittings, Add	*307.69*	
23 21 13 23-1620	EA	10", Steel, Grooved Cross	3,896.44	265.40
		For Work In Restricted Working Space, Add	*119.38*	
		For Galvanized Fittings, Add	*524.78*	
23 21 13 23-1621	EA	12", Steel, Grooved Cross	5,526.15	318.58
		For Work In Restricted Working Space, Add	*143.26*	
		For Galvanized Fittings, Add	*757.29*	
23 21 13 23-1622	EA	14", Steel, Grooved Cross	5,761.22	353.90
		For Work In Restricted Working Space, Add	*159.18*	
		For Galvanized Fittings, Add	*784.59*	
23 21 13 23-1623	EA	16", Steel, Grooved Cross	7,376.15	355.99
		For Work In Restricted Working Space, Add	*160.09*	
		For Galvanized Fittings, Add	*1,026.38*	
23 21 13 23-1624	EA	18", Steel, Grooved Cross	8,975.82	392.54
		For Work In Restricted Working Space, Add	*176.56*	
		For Galvanized Fittings, Add	*1,258.10*	
23 21 13 23-1625	EA	20", Steel, Grooved Cross	12,480.16	398.65
		For Work In Restricted Working Space, Add	*179.32*	
		For Galvanized Fittings, Add	*1,782.36*	
23 21 13 23-1626	EA	24", Steel, Grooved Cross	19,078.51	489.97
		For Work In Restricted Working Space, Add	*220.40*	
		For Galvanized Fittings, Add	*2,751.58*	

23 21 13 23-1627 Grooved Reducing Tees *(23 21 13 23-1570)*

Note: Victaulic No. 25

23 21 13 23-1628	EA	1", Steel, Grooved Reducing Tee	220.64	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*38.08*	
23 21 13 23-1629	EA	1-1/4", Steel, Grooved Reducing Tee	233.35	24.70
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*39.27*	
23 21 13 23-1630	EA	1-1/2", Steel, Grooved Reducing Tee	246.65	30.31
		For Work In Restricted Working Space, Add	*13.62*	
		For Galvanized Fittings, Add	*40.25*	
23 21 13 23-1631	EA	2", Steel, Grooved Reducing Tee	294.36	39.24
		For Work In Restricted Working Space, Add	*17.63*	
		For Galvanized Fittings, Add	*47.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1632	EA	2-1/2", Steel, Grooved Reducing Tee	331.96	48.05
		For Work In Restricted Working Space, Add	*21.63*	
		For Galvanized Fittings, Add	*51.97*	
23 21 13 23-1633	EA	3", Steel, Grooved Reducing Tee	372.92	59.05
		For Work In Restricted Working Space, Add	*26.55*	
		For Galvanized Fittings, Add	*56.89*	
23 21 13 23-1634	EA	4", Steel, Grooved Reducing Tee	498.10	76.41
		For Work In Restricted Working Space, Add	*34.35*	
		For Galvanized Fittings, Add	*76.72*	
23 21 13 23-1635	EA	5", Steel, Grooved Reducing Tee	656.24	99.88
		For Work In Restricted Working Space, Add	*44.92*	
		For Galvanized Fittings, Add	*101.30*	
23 21 13 23-1636	EA	6", Steel, Grooved Reducing Tee	899.79	124.94
		For Work In Restricted Working Space, Add	*56.18*	
		For Galvanized Fittings, Add	*142.50*	
23 21 13 23-1637	EA	8", Steel, Grooved Reducing Tee	1,403.05	151.71
		For Work In Restricted Working Space, Add	*68.22*	
		For Galvanized Fittings, Add	*235.13*	
23 21 13 23-1638	EA	10", Steel, Grooved Reducing Tee	1,998.47	176.89
		For Work In Restricted Working Space, Add	*79.59*	
		For Galvanized Fittings, Add	*346.63*	
23 21 13 23-1639	EA	12", Steel, Grooved Reducing Tee	2,875.07	212.35
		For Work In Restricted Working Space, Add	*95.51*	
		For Galvanized Fittings, Add	*511.34*	
23 21 13 23-1640	EA	14", Steel, Grooved Reducing Tee	3,257.60	235.94
		For Work In Restricted Working Space, Add	*106.12*	
		For Galvanized Fittings, Add	*580.78*	
23 21 13 23-1641	EA	16", Steel, Grooved Reducing Tee	4,127.84	237.29
		For Work In Restricted Working Space, Add	*106.73*	
		For Galvanized Fittings, Add	*754.41*	
23 21 13 23-1642	EA	18", Steel, Grooved Reducing Tee	5,010.27	261.73
		For Work In Restricted Working Space, Add	*117.70*	
		For Galvanized Fittings, Add	*923.59*	
23 21 13 23-1643	EA	20", Steel, Grooved Reducing Tee	7,002.96	265.77
		For Work In Restricted Working Space, Add	*119.54*	
		For Galvanized Fittings, Add	*1,320.90*	
23 21 13 23-1644	EA	24", Steel, Grooved Reducing Tee	11,128.26	326.65
		For Work In Restricted Working Space, Add	*146.93*	
		For Galvanized Fittings, Add	*2,127.70*	

23 21 13 23-1645 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1570)*

Note: Victaulic No. 30

23 21 13 23-1646	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	420.54	17.48
		For Work In Restricted Working Space, Add	*7.89*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1647	EA	1", Steel, Grooved, 45 Degree Lateral Wye	424.51	20.17
		For Work In Restricted Working Space, Add	*9.08*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1648	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	431.24	24.70
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1649	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	439.65	30.31
		For Work In Restricted Working Space, Add	*13.62*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1650	EA	2", Steel, Grooved, 45 Degree Lateral Wye	453.00	39.24
		For Work In Restricted Working Space, Add	*17.63*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1651	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	466.35	48.05
		For Work In Restricted Working Space, Add	*21.63*	
		For Galvanized Fittings, Add	*70.97*	
23 21 13 23-1652	EA	3", Steel, Grooved, 45 Degree Lateral Wye	429.09	59.05
		For Work In Restricted Working Space, Add	*26.55*	
		For Galvanized Fittings, Add	*61.31*	
23 21 13 23-1653	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	679.06	68.10
		For Work In Restricted Working Space, Add	*30.60*	
		For Galvanized Fittings, Add	*103.87*	
23 21 13 23-1654	EA	4", Steel, Grooved, 45 Degree Lateral Wye	786.22	76.41
		For Work In Restricted Working Space, Add	*34.35*	
		For Galvanized Fittings, Add	*120.91*	
23 21 13 23-1655	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,131.42	99.88
		For Work In Restricted Working Space, Add	*44.92*	
		For Galvanized Fittings, Add	*176.70*	
23 21 13 23-1656	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,768.93	124.94
		For Work In Restricted Working Space, Add	*56.18*	
		For Galvanized Fittings, Add	*284.70*	
23 21 13 23-1657	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,505.57	151.71
		For Work In Restricted Working Space, Add	*68.22*	
		For Galvanized Fittings, Add	*410.07*	
23 21 13 23-1658	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,480.89	176.89
		For Work In Restricted Working Space, Add	*79.59*	
		For Galvanized Fittings, Add	*578.81*	
23 21 13 23-1659	EA	12", Steel, Grooved, 45 Degree Lateral Wye	4,206.16	212.35
		For Work In Restricted Working Space, Add	*95.51*	
		For Galvanized Fittings, Add	*699.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1660	EA	14", Steel, Grooved, 45 Degree Lateral Wye	6,028.21	235.94
		For Work In Restricted Working Space, Add	*106.12*	
		For Galvanized Fittings, Add	*1,021.41*	
23 21 13 23-1661	EA	16", Steel, Grooved, 45 Degree Lateral Wye	7,444.74	237.29
		For Work In Restricted Working Space, Add	*106.73*	
		For Galvanized Fittings, Add	*1,276.01*	
23 21 13 23-1662	EA	18", Steel, Grooved, 45 Degree Lateral Wye	8,316.92	261.73
		For Work In Restricted Working Space, Add	*117.70*	
		For Galvanized Fittings, Add	*1,426.43*	
23 21 13 23-1663	EA	20", Steel, Grooved, 45 Degree Lateral Wye	12,418.76	265.77
		For Work In Restricted Working Space, Add	*119.54*	
		For Galvanized Fittings, Add	*2,163.65*	
23 21 13 23-1664	EA	24", Steel, Grooved, 45 Degree Lateral Wye	19,168.42	326.65
		For Work In Restricted Working Space, Add	*146.93*	
		For Galvanized Fittings, Add	*3,362.16*	

23 21 13 23-1665 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1570)*

Note: Victaulic No. 30R

23 21 13 23-1666	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	429.09	59.05
		For Work In Restricted Working Space, Add	*26.55*	
		For Galvanized Fittings, Add	*44.28*	
23 21 13 23-1667	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	786.22	76.41
		For Work In Restricted Working Space, Add	*34.35*	
		For Galvanized Fittings, Add	*87.32*	
23 21 13 23-1668	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,131.42	99.88
		For Work In Restricted Working Space, Add	*44.92*	
		For Galvanized Fittings, Add	*127.62*	
23 21 13 23-1669	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,455.60	124.94
		For Work In Restricted Working Space, Add	*56.18*	
		For Galvanized Fittings, Add	*164.88*	
23 21 13 23-1670	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	2,058.35	151.71
		For Work In Restricted Working Space, Add	*68.22*	
		For Galvanized Fittings, Add	*238.02*	
23 21 13 23-1671	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,507.71	176.89
		For Work In Restricted Working Space, Add	*79.59*	
		For Galvanized Fittings, Add	*291.51*	
23 21 13 23-1672	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	3,043.44	212.35
		For Work In Restricted Working Space, Add	*95.51*	
		For Galvanized Fittings, Add	*354.26*	
23 21 13 23-1673	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,406.49	235.94
		For Work In Restricted Working Space, Add	*106.12*	
		For Galvanized Fittings, Add	*396.86*	
23 21 13 23-1674	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,301.76	237.29
		For Work In Restricted Working Space, Add	*106.73*	
		For Galvanized Fittings, Add	*512.98*	
23 21 13 23-1675	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	6,451.38	261.73
		For Work In Restricted Working Space, Add	*117.70*	
		For Galvanized Fittings, Add	*787.68*	
23 21 13 23-1676	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	9,267.34	265.77
		For Work In Restricted Working Space, Add	*119.54*	
		For Galvanized Fittings, Add	*1,152.95*	
23 21 13 23-1677	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	14,848.82	326.65
		For Work In Restricted Working Space, Add	*146.93*	
		For Galvanized Fittings, Add	*1,866.68*	

23 21 13 23-1678 Mechanical-T Outlet *(23 21 13 23-1570)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1679	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	153.59	44.01
		For Work In Restricted Working Space, Add	*26.41*	
		For Galvanized Fittings, Add	*16.26*	
23 21 13 23-1680	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	153.59	44.01
		For Work In Restricted Working Space, Add	*26.41*	
		For Galvanized Fittings, Add	*16.26*	
23 21 13 23-1681	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	163.82	44.01
		For Work In Restricted Working Space, Add	*26.41*	
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1682	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	163.82	44.01
		For Work In Restricted Working Space, Add	*26.41*	
23 21 13 23-1683	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	164.59	49.51
		For Work In Restricted Working Space, Add	*29.71*	
23 21 13 23-1684	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	164.59	49.51
		For Work In Restricted Working Space, Add	*29.71*	
23 21 13 23-1685	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	191.61	49.51
		For Work In Restricted Working Space, Add	*29.71*	
23 21 13 23-1686	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	185.52	55.01
		For Work In Restricted Working Space, Add	*33.01*	
23 21 13 23-1687	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	185.52	55.01
		For Work In Restricted Working Space, Add	*33.01*	
23 21 13 23-1688	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	207.28	55.01
		For Work In Restricted Working Space, Add	*33.01*	
23 21 13 23-1689	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	207.28	55.01
		For Work In Restricted Working Space, Add	*33.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1690	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	222.18	55.01
		For Work In Restricted Working Space, Add	*33.01*	
23 21 13 23-1691	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	242.96	73.35
		For Work In Restricted Working Space, Add	*44.01*	
23 21 13 23-1692	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	242.96	73.35
		For Work In Restricted Working Space, Add	*44.01*	
23 21 13 23-1693	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	259.95	73.35
		For Work In Restricted Working Space, Add	*44.01*	
23 21 13 23-1694	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	264.72	73.35
		For Work In Restricted Working Space, Add	*44.01*	
23 21 13 23-1695	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	264.72	73.35
		For Work In Restricted Working Space, Add	*44.01*	
23 21 13 23-1696	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	269.49	73.35
		For Work In Restricted Working Space, Add	*44.01*	
23 21 13 23-1697	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	278.63	73.35
		For Work In Restricted Working Space, Add	*44.01*	
23 21 13 23-1698	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.65	100.85
		For Work In Restricted Working Space, Add	*60.51*	
23 21 13 23-1699	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.65	100.85
		For Work In Restricted Working Space, Add	*60.51*	
23 21 13 23-1700	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	354.90	100.85
		For Work In Restricted Working Space, Add	*60.51*	
23 21 13 23-1701	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	365.23	100.85
		For Work In Restricted Working Space, Add	*60.51*	
23 21 13 23-1702	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	405.04	128.36
		For Work In Restricted Working Space, Add	*77.02*	
23 21 13 23-1703	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	405.04	128.36
		For Work In Restricted Working Space, Add	*77.02*	
23 21 13 23-1704	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	417.16	128.36
		For Work In Restricted Working Space, Add	*77.02*	
23 21 13 23-1705	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	427.39	128.36
		For Work In Restricted Working Space, Add	*77.02*	
23 21 13 23-1706	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	445.57	128.36
		For Work In Restricted Working Space, Add	*77.02*	
23 21 13 23-1707	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	602.31	169.93
		For Work In Restricted Working Space, Add	*101.96*	
23 21 13 23-1708	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	602.31	169.93
		For Work In Restricted Working Space, Add	*101.96*	
23 21 13 23-1709	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	616.91	169.93
		For Work In Restricted Working Space, Add	*101.96*	
23 21 13 23-1710	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	625.56	169.93
		For Work In Restricted Working Space, Add	*101.96*	

23 21 13 23-1711 Installation-Ready™ Grooved Fittings *(23 21 13 23-1484)*

23 21 13 23-1712 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1711)*

Note: Victaulic No. 101

23 21 13 23-1713	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	273.27	12.11
		For Work In Restricted Working Space, Add	*5.50*	
		For Galvanized Fittings, Add	*84.13*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1714	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	284.43	14.52
		For Work In Restricted Working Space, Add	*6.60*	
		For Galvanized Fittings, Add	*86.60*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1715	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	293.65	19.36
		For Work In Restricted Working Space, Add	*8.80*	
		For Galvanized Fittings, Add	*87.22*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1716	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	355.34	24.20
		For Work In Restricted Working Space, Add	*11.00*	
		For Galvanized Fittings, Add	*105.16*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1717 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1711)*

Note: Victaulic No. 103

23 21 13 23-1718	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	273.27	12.11
		For Work In Restricted Working Space, Add	*5.50*	
		For Galvanized Fittings, Add	*61.18*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1719	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	284.43	14.52
		For Work In Restricted Working Space, Add	*6.60*	
		For Galvanized Fittings, Add	*62.98*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1720	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	293.65	19.36
		For Work In Restricted Working Space, Add	*8.80*	
		For Galvanized Fittings, Add	*63.43*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1721	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	355.34	24.20
		For Work In Restricted Working Space, Add	*11.00*	
		For Galvanized Fittings, Add	*76.48*	
		For Galvanized Fittings, Add	*81.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1722		**Installation-Ready™ Grooved Tees** *(23 21 13 23-1711)*		
		Note: Victaulic No. 102		
23 21 13 23-1723	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	418.10	16.13
		For Work In Restricted Working Space, Add	*7.34*	
		For Galvanized Fittings, Add	*118.10*	
		For Galvanized Fittings, Add	*100.77*	
23 21 13 23-1724	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	436.11	19.36
		For Work In Restricted Working Space, Add	*8.80*	
		For Galvanized Fittings, Add	*122.03*	
		For Galvanized Fittings, Add	*104.13*	
23 21 13 23-1725	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	451.51	25.82
		For Work In Restricted Working Space, Add	*11.74*	
		For Galvanized Fittings, Add	*123.72*	
		For Galvanized Fittings, Add	*105.57*	
23 21 13 23-1726	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	525.03	32.28
		For Work In Restricted Working Space, Add	*14.67*	
		For Galvanized Fittings, Add	*142.84*	
		For Galvanized Fittings, Add	*121.89*	
23 21 13 23-1727		**Grooved Fittings** *(23 21 13 23-1484)*		
23 21 13 23-1728		**Flanged Adapter Nipple, Grooved** *(23 21 13 23-1727)*		
		Note: Victaulic No. 41 and 45		
23 21 13 23-1729	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	299.46	14.67
		For Work In Restricted Working Space, Add	*6.60*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1730	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	301.91	16.26
		For Work In Restricted Working Space, Add	*7.34*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1731	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	308.03	20.41
		For Work In Restricted Working Space, Add	*9.17*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1732	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	320.89	28.98
		For Work In Restricted Working Space, Add	*13.03*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1733	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	330.08	35.08
		For Work In Restricted Working Space, Add	*15.79*	
		For Galvanized Fittings, Add	*49.94*	
		For 300 Lb. Rating, Add	*41.62*	
23 21 13 23-1734	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	417.82	41.93
		For Work In Restricted Working Space, Add	*18.84*	
		For Galvanized Fittings, Add	*63.91*	
		For 300 Lb. Rating, Add	*53.25*	
23 21 13 23-1735	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	508.03	56.48
		For Work In Restricted Working Space, Add	*25.39*	
		For Galvanized Fittings, Add	*76.21*	
		For 300 Lb. Rating, Add	*63.51*	
23 21 13 23-1736	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	707.48	68.34
		For Work In Restricted Working Space, Add	*30.74*	
		For Galvanized Fittings, Add	*108.90*	
		For 300 Lb. Rating, Add	*90.75*	
23 21 13 23-1737	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	828.70	92.30
		For Work In Restricted Working Space, Add	*41.52*	
		For Galvanized Fittings, Add	*124.25*	
		For 300 Lb. Rating, Add	*103.54*	
23 21 13 23-1738	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,140.10	124.94
		For Work In Restricted Working Space, Add	*56.18*	
		For Galvanized Fittings, Add	*171.51*	
		For 300 Lb. Rating, Add	*142.92*	
23 21 13 23-1739	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,782.27	151.71
		For Work In Restricted Working Space, Add	*68.22*	
		For Galvanized Fittings, Add	*279.88*	
		For 300 Lb. Rating, Add	*233.23*	
23 21 13 23-1740	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,391.31	176.89
		For Work In Restricted Working Space, Add	*79.59*	
		For Galvanized Fittings, Add	*382.68*	
		For 300 Lb. Rating, Add	*318.90*	
23 21 13 23-1741	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,825.50	212.35
		For Work In Restricted Working Space, Add	*95.51*	
		For Galvanized Fittings, Add	*451.29*	
		For 300 Lb. Rating, Add	*376.07*	
23 21 13 23-1742	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,214.76	235.94
		For Work In Restricted Working Space, Add	*106.12*	
		For Galvanized Fittings, Add	*694.99*	
		For 300 Lb. Rating, Add	*579.16*	
23 21 13 23-1743	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,065.70	353.90
		For Work In Restricted Working Space, Add	*159.18*	
		For Galvanized Fittings, Add	*816.32*	
		For 300 Lb. Rating, Add	*680.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1744	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,363.77	424.69
		For Work In Restricted Working Space, Add	*191.01*	
		For Galvanized Fittings, Add	*850.87*	
		For 300 Lb. Rating, Add	*709.06*	
23 21 13 23-1745	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	8,862.20	471.88
		For Work In Restricted Working Space, Add	*212.24*	
		For Galvanized Fittings, Add	*1,467.86*	
		For 300 Lb. Rating, Add	*1,223.21*	

23 21 13 23-1746 Grooved Concentric Reducers *(23 21 13 23-1727)*

Note: Victaulic No. 50

23 21 13 23-1747	EA	1-1/4" x 3/4", Grooved Concentric Reducer	317.94	14.67
		For Work In Restricted Working Space, Add	*6.60*	
		For Galvanized Fittings, Add	*13.02*	
23 21 13 23-1748	EA	1-1/4" x 1", Grooved Concentric Reducer	332.51	15.53
		For Work In Restricted Working Space, Add	*6.97*	
		For Galvanized Fittings, Add	*13.61*	
23 21 13 23-1749	EA	1-1/2" x 3/4", Grooved Concentric Reducer	374.36	16.75
		For Work In Restricted Working Space, Add	*7.52*	
		For Galvanized Fittings, Add	*41.99*	
23 21 13 23-1750	EA	1-1/2" x 1", Grooved Concentric Reducer	101.09	17.48
		For Work In Restricted Working Space, Add	*7.89*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1751	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	317.02	18.34
		For Work In Restricted Working Space, Add	*8.25*	
		For Galvanized Fittings, Add	*34.80*	
23 21 13 23-1752	EA	2" x 3/4", Grooved Concentric Reducer	104.75	19.93
		For Work In Restricted Working Space, Add	*8.99*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1753	EA	2" x 1", Grooved Concentric Reducer	105.97	20.78
		For Work In Restricted Working Space, Add	*9.35*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1754	EA	2" x 1-1/4", Grooved Concentric Reducer	114.71	21.64
		For Work In Restricted Working Space, Add	*9.72*	
		For Galvanized Fittings, Add	*9.89*	
23 21 13 23-1755	EA	2" x 1-1/2", Grooved Concentric Reducer	110.93	24.08
		For Work In Restricted Working Space, Add	*10.84*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1756	EA	2-1/2" x 3/4", Grooved Concentric Reducer	642.50	22.49
		For Work In Restricted Working Space, Add	*10.12*	
		For Galvanized Fittings, Add	*73.17*	
23 21 13 23-1757	EA	2-1/2" x 1", Grooved Concentric Reducer	512.48	23.35
		For Work In Restricted Working Space, Add	*10.48*	
		For Galvanized Fittings, Add	*57.40*	
23 21 13 23-1758	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	468.43	24.08
		For Work In Restricted Working Space, Add	*10.84*	
		For Galvanized Fittings, Add	*51.96*	
23 21 13 23-1759	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	114.52	26.53
		For Work In Restricted Working Space, Add	*11.92*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1760	EA	2-1/2" x 2", Grooved Concentric Reducer	119.42	29.71
		For Work In Restricted Working Space, Add	*13.39*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1761	EA	3" x 3/4", Grooved Concentric Reducer	651.89	26.16
		For Work In Restricted Working Space, Add	*11.75*	
		For Galvanized Fittings, Add	*93.13*	
23 21 13 23-1762	EA	3" x 1", Grooved Concentric Reducer	122.90	26.89
		For Work In Restricted Working Space, Add	*12.09*	
		For Galvanized Fittings, Add	*12.56*	
23 21 13 23-1763	EA	3" x 1-1/4", Grooved Concentric Reducer	516.12	27.75
		For Work In Restricted Working Space, Add	*12.46*	
		For Galvanized Fittings, Add	*72.14*	
23 21 13 23-1764	EA	3" x 1-1/2", Grooved Concentric Reducer	485.61	29.71
		For Work In Restricted Working Space, Add	*13.39*	
		For Galvanized Fittings, Add	*67.03*	
23 21 13 23-1765	EA	3" x 2", Grooved Concentric Reducer	115.12	33.01
		For Work In Restricted Working Space, Add	*14.85*	
		For Galvanized Fittings, Add	*9.97*	
23 21 13 23-1766	EA	3" x 2-1/2", Grooved Concentric Reducer	149.40	39.36
		For Work In Restricted Working Space, Add	*17.70*	
		For Galvanized Fittings, Add	*13.74*	
23 21 13 23-1767	EA	3-1/2" x 3", Grooved Concentric Reducer	159.91	42.42
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*14.64*	
23 21 13 23-1768	EA	4" x 1", Grooved Concentric Reducer	149.43	33.37
		For Work In Restricted Working Space, Add	*15.04*	
		For Galvanized Fittings, Add	*17.03*	
23 21 13 23-1769	EA	4" x 1-1/4", Grooved Concentric Reducer	836.40	34.23
		For Work In Restricted Working Space, Add	*15.41*	
		For Galvanized Fittings, Add	*134.64*	
23 21 13 23-1770	EA	4" x 1-1/2", Grooved Concentric Reducer	654.59	36.31
		For Work In Restricted Working Space, Add	*16.32*	
		For Galvanized Fittings, Add	*102.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1771	EA	4" x 2", Grooved Concentric Reducer	146.65	39.61
		For Work In Restricted Working Space, Add	*17.79*	
		For Galvanized Fittings, Add	*14.98*	
23 21 13 23-1772	EA	4" x 2-1/2", Grooved Concentric Reducer	173.06	42.42
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*18.78*	
23 21 13 23-1773	EA	4" x 3", Grooved Concentric Reducer	177.95	45.72
		For Work In Restricted Working Space, Add	*20.54*	
		For Galvanized Fittings, Add	*18.78*	
23 21 13 23-1774	EA	4" x 3-1/2", Grooved Concentric Reducer	182.84	48.90
		For Work In Restricted Working Space, Add	*22.01*	
		For Galvanized Fittings, Add	*18.78*	
23 21 13 23-1775	EA	5" x 2", Grooved Concentric Reducer	1,173.88	46.08
		For Work In Restricted Working Space, Add	*20.72*	
		For Galvanized Fittings, Add	*189.47*	
23 21 13 23-1776	EA	5" x 2-1/2", Grooved Concentric Reducer	930.54	48.90
		For Work In Restricted Working Space, Add	*22.01*	
		For Galvanized Fittings, Add	*147.01*	
23 21 13 23-1777	EA	5" x 3", Grooved Concentric Reducer	206.40	52.20
		For Work In Restricted Working Space, Add	*23.47*	
		For Galvanized Fittings, Add	*21.98*	
23 21 13 23-1778	EA	5" x 4", Grooved Concentric Reducer	241.08	58.68
		For Work In Restricted Working Space, Add	*26.41*	
		For Galvanized Fittings, Add	*26.25*	
23 21 13 23-1779	EA	6" x 1", Grooved Concentric Reducer	278.13	49.76
		For Work In Restricted Working Space, Add	*22.37*	
		For Galvanized Fittings, Add	*37.98*	
23 21 13 23-1780	EA	6" x 1-1/2", Grooved Concentric Reducer	1,240.46	52.57
		For Work In Restricted Working Space, Add	*23.65*	
		For Galvanized Fittings, Add	*216.76*	
23 21 13 23-1781	EA	6" x 2", Grooved Concentric Reducer	287.29	55.87
		For Work In Restricted Working Space, Add	*25.12*	
		For Galvanized Fittings, Add	*37.98*	
23 21 13 23-1782	EA	6" x 2-1/2", Grooved Concentric Reducer	1,256.26	58.68
		For Work In Restricted Working Space, Add	*26.41*	
		For Galvanized Fittings, Add	*217.99*	
23 21 13 23-1783	EA	6" x 3", Grooved Concentric Reducer	296.47	61.98
		For Work In Restricted Working Space, Add	*27.88*	
		For Galvanized Fittings, Add	*37.98*	
23 21 13 23-1784	EA	6" x 4", Grooved Concentric Reducer	279.97	68.46
		For Work In Restricted Working Space, Add	*30.81*	
		For Galvanized Fittings, Add	*33.08*	
23 21 13 23-1785	EA	6" x 5", Grooved Concentric Reducer	374.72	75.06
		For Work In Restricted Working Space, Add	*33.74*	
		For Galvanized Fittings, Add	*48.93*	
23 21 13 23-1786	EA	8" x 3", Grooved Concentric Reducer	468.85	70.17
		For Work In Restricted Working Space, Add	*31.54*	
		For Galvanized Fittings, Add	*67.87*	
23 21 13 23-1787	EA	8" x 4", Grooved Concentric Reducer	478.61	76.65
		For Work In Restricted Working Space, Add	*34.47*	
		For Galvanized Fittings, Add	*67.87*	
23 21 13 23-1788	EA	8" x 5", Grooved Concentric Reducer	488.41	83.13
		For Work In Restricted Working Space, Add	*37.41*	
		For Galvanized Fittings, Add	*67.87*	
23 21 13 23-1789	EA	8" x 6", Grooved Concentric Reducer	603.18	92.90
		For Work In Restricted Working Space, Add	*41.81*	
		For Galvanized Fittings, Add	*86.55*	
23 21 13 23-1790	EA	10" x 4", Grooved Concentric Reducer	993.75	85.20
		For Work In Restricted Working Space, Add	*38.33*	
		For Galvanized Fittings, Add	*161.59*	
23 21 13 23-1791	EA	10" x 5", Grooved Concentric Reducer	2,046.46	91.69
		For Work In Restricted Working Space, Add	*41.26*	
		For Galvanized Fittings, Add	*356.20*	
23 21 13 23-1792	EA	10" x 6", Grooved Concentric Reducer	1,099.20	101.47
		For Work In Restricted Working Space, Add	*45.66*	
		For Galvanized Fittings, Add	*176.71*	
23 21 13 23-1793	EA	10" x 8", Grooved Concentric Reducer	1,111.40	109.66
		For Work In Restricted Working Space, Add	*49.32*	
		For Galvanized Fittings, Add	*176.71*	
23 21 13 23-1794	EA	12" x 4", Grooved Concentric Reducer	3,012.15	97.06
		For Work In Restricted Working Space, Add	*43.64*	
		For Galvanized Fittings, Add	*430.00*	
23 21 13 23-1795	EA	12" x 6", Grooved Concentric Reducer	1,299.39	113.32
		For Work In Restricted Working Space, Add	*50.97*	
		For Galvanized Fittings, Add	*169.43*	
23 21 13 23-1796	EA	12" x 8", Grooved Concentric Reducer	1,878.81	121.52
		For Work In Restricted Working Space, Add	*54.64*	
		For Galvanized Fittings, Add	*254.50*	
23 21 13 23-1797	EA	12" x 10", Grooved Concentric Reducer	1,891.72	130.07
		For Work In Restricted Working Space, Add	*58.51*	
		For Galvanized Fittings, Add	*254.50*	
23 21 13 23-1798	EA	14" x 6", Grooved Concentric Reducer	5,939.91	122.12
		For Work In Restricted Working Space, Add	*54.93*	
		For Galvanized Fittings, Add	*176.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1799	EA	14" x 8", Grooved Concentric Reducer	3,574.43	130.31
		For Work In Restricted Working Space, Add	*58.62*	
		For Galvanized Fittings, Add	*103.74*	
23 21 13 23-1800	EA	14" x 10", Grooved Concentric Reducer	3,061.25	138.88
		For Work In Restricted Working Space, Add	*62.46*	
		For Galvanized Fittings, Add	*87.59*	
23 21 13 23-1801	EA	14" x 12", Grooved Concentric Reducer	3,078.94	150.61
		For Work In Restricted Working Space, Add	*67.76*	
		For Galvanized Fittings, Add	*87.59*	
23 21 13 23-1802	EA	16" x 8", Grooved Concentric Reducer	5,414.70	139.00
		For Work In Restricted Working Space, Add	*62.54*	
		For Galvanized Fittings, Add	*159.83*	
23 21 13 23-1803	EA	16" x 10", Grooved Concentric Reducer	5,034.77	147.55
		For Work In Restricted Working Space, Add	*66.39*	
		For Galvanized Fittings, Add	*147.77*	
23 21 13 23-1804	EA	16" x 12", Grooved Concentric Reducer	4,667.44	159.41
		For Work In Restricted Working Space, Add	*71.69*	
		For Galvanized Fittings, Add	*135.95*	
23 21 13 23-1805	EA	16" x 14", Grooved Concentric Reducer	4,680.65	168.22
		For Work In Restricted Working Space, Add	*75.65*	
		For Galvanized Fittings, Add	*135.95*	
23 21 13 23-1806	EA	18" x 10", Grooved Concentric Reducer	7,030.45	155.75
		For Work In Restricted Working Space, Add	*70.04*	
		For Galvanized Fittings, Add	*208.67*	
23 21 13 23-1807	EA	18" x 12", Grooved Concentric Reducer	6,379.65	167.48
		For Work In Restricted Working Space, Add	*75.34*	
		For Galvanized Fittings, Add	*188.15*	
23 21 13 23-1808	EA	18" x 14", Grooved Concentric Reducer	5,812.49	176.28
		For Work In Restricted Working Space, Add	*79.31*	
		For Galvanized Fittings, Add	*170.33*	
23 21 13 23-1809	EA	18" x 16", Grooved Concentric Reducer	5,825.69	185.20
		For Work In Restricted Working Space, Add	*83.27*	
		For Galvanized Fittings, Add	*170.33*	
23 21 13 23-1810	EA	20" x 10", Grooved Concentric Reducer	7,732.02	159.78
		For Work In Restricted Working Space, Add	*71.85*	
		For Galvanized Fittings, Add	*230.02*	
23 21 13 23-1811	EA	20" x 12", Grooved Concentric Reducer	6,645.15	171.64
		For Work In Restricted Working Space, Add	*77.18*	
		For Galvanized Fittings, Add	*196.11*	
23 21 13 23-1812	EA	20" x 14", Grooved Concentric Reducer	6,658.36	180.43
		For Work In Restricted Working Space, Add	*81.14*	
		For Galvanized Fittings, Add	*196.11*	
23 21 13 23-1813	EA	20" x 16", Grooved Concentric Reducer	5,950.68	189.12
		For Work In Restricted Working Space, Add	*85.05*	
		For Galvanized Fittings, Add	*173.98*	
23 21 13 23-1814	EA	20" x 18", Grooved Concentric Reducer	6,339.20	197.31
		For Work In Restricted Working Space, Add	*88.76*	
		For Galvanized Fittings, Add	*185.53*	
23 21 13 23-1815	EA	24" x 10", Grooved Concentric Reducer	16,962.46	177.75
		For Work In Restricted Working Space, Add	*79.94*	
		For Galvanized Fittings, Add	*512.57*	
23 21 13 23-1816	EA	24" x 12", Grooved Concentric Reducer	16,577.07	189.60
		For Work In Restricted Working Space, Add	*85.29*	
		For Galvanized Fittings, Add	*500.19*	
23 21 13 23-1817	EA	24" x 14", Grooved Concentric Reducer	14,462.67	198.29
		For Work In Restricted Working Space, Add	*89.19*	
		For Galvanized Fittings, Add	*434.88*	
23 21 13 23-1818	EA	24" x 16", Grooved Concentric Reducer	14,475.97	207.21
		For Work In Restricted Working Space, Add	*93.18*	
		For Galvanized Fittings, Add	*434.88*	
23 21 13 23-1819	EA	24" x 18", Grooved Concentric Reducer	12,413.67	215.28
		For Work In Restricted Working Space, Add	*96.82*	
		For Galvanized Fittings, Add	*371.19*	
23 21 13 23-1820	EA	24" x 20", Grooved Concentric Reducer	11,348.91	219.43
		For Work In Restricted Working Space, Add	*98.69*	
		For Galvanized Fittings, Add	*338.31*	

23 21 13 23-1821 Grooved Eccentric Reducers *(23 21 13 23-1727)*

Note: Victaulic No. 51

23 21 13 23-1822	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	386.41	16.75
		For Work In Restricted Working Space, Add	*7.52*	
		For Galvanized Fittings, Add	*43.43*	
23 21 13 23-1823	EA	1-1/2" x 1", Grooved Eccentric Reducer	352.46	17.48
		For Work In Restricted Working Space, Add	*7.89*	
		For Galvanized Fittings, Add	*39.21*	
23 21 13 23-1824	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	346.57	18.34
		For Work In Restricted Working Space, Add	*8.25*	
		For Galvanized Fittings, Add	*38.35*	
23 21 13 23-1825	EA	2" x 3/4", Grooved Eccentric Reducer	732.10	19.93
		For Work In Restricted Working Space, Add	*8.99*	
		For Galvanized Fittings, Add	*84.40*	
23 21 13 23-1826	EA	2" x 1", Grooved Eccentric Reducer	391.33	20.78
		For Work In Restricted Working Space, Add	*9.35*	
		For Galvanized Fittings, Add	*43.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1827	EA	2" x 1-1/4", Grooved Eccentric Reducer	427.25	21.64
		For Work In Restricted Working Space, Add	*9.72*	
		For Galvanized Fittings, Add	*47.46*	
23 21 13 23-1828	EA	2" x 1-1/2", Grooved Eccentric Reducer	366.65	24.08
		For Work In Restricted Working Space, Add	*10.84*	
		For Galvanized Fittings, Add	*39.73*	
23 21 13 23-1829	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	950.30	22.49
		For Work In Restricted Working Space, Add	*10.12*	
		For Galvanized Fittings, Add	*110.17*	
23 21 13 23-1830	EA	2-1/2" x 1", Grooved Eccentric Reducer	888.84	23.35
		For Work In Restricted Working Space, Add	*10.48*	
		For Galvanized Fittings, Add	*102.64*	
23 21 13 23-1831	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	532.06	24.08
		For Work In Restricted Working Space, Add	*10.84*	
		For Galvanized Fittings, Add	*59.61*	
23 21 13 23-1832	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	432.69	26.53
		For Work In Restricted Working Space, Add	*11.92*	
		For Galvanized Fittings, Add	*47.23*	
23 21 13 23-1833	EA	2-1/2" x 2", Grooved Eccentric Reducer	202.91	29.71
		For Work In Restricted Working Space, Add	*13.39*	
		For Galvanized Fittings, Add	*19.03*	
23 21 13 23-1834	EA	3" x 1", Grooved Eccentric Reducer	956.26	26.89
		For Work In Restricted Working Space, Add	*12.09*	
		For Galvanized Fittings, Add	*110.10*	
23 21 13 23-1835	EA	3" x 1-1/4", Grooved Eccentric Reducer	870.75	27.75
		For Work In Restricted Working Space, Add	*12.46*	
		For Galvanized Fittings, Add	*99.67*	
23 21 13 23-1836	EA	3" x 1-1/2", Grooved Eccentric Reducer	499.15	29.71
		For Work In Restricted Working Space, Add	*13.39*	
		For Galvanized Fittings, Add	*54.63*	
23 21 13 23-1837	EA	3" x 2", Grooved Eccentric Reducer	231.42	33.01
		For Work In Restricted Working Space, Add	*14.85*	
		For Galvanized Fittings, Add	*21.87*	
23 21 13 23-1838	EA	3" x 2-1/2", Grooved Eccentric Reducer	240.90	39.36
		For Work In Restricted Working Space, Add	*17.70*	
		For Galvanized Fittings, Add	*21.87*	
23 21 13 23-1839	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,069.96	42.42
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*120.97*	
23 21 13 23-1840	EA	4" x 1", Grooved Eccentric Reducer	1,906.78	33.37
		For Work In Restricted Working Space, Add	*15.04*	
		For Galvanized Fittings, Add	*318.42*	
23 21 13 23-1841	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,177.29	36.31
		For Work In Restricted Working Space, Add	*16.32*	
		For Galvanized Fittings, Add	*192.57*	
23 21 13 23-1842	EA	4" x 2", Grooved Eccentric Reducer	281.72	39.61
		For Work In Restricted Working Space, Add	*17.79*	
		For Galvanized Fittings, Add	*38.15*	
23 21 13 23-1843	EA	4" x 2-1/2", Grooved Eccentric Reducer	286.00	42.42
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*38.15*	
23 21 13 23-1844	EA	4" x 3", Grooved Eccentric Reducer	290.89	45.72
		For Work In Restricted Working Space, Add	*20.54*	
		For Galvanized Fittings, Add	*38.15*	
23 21 13 23-1845	EA	5" x 2", Grooved Eccentric Reducer	1,307.27	46.08
		For Work In Restricted Working Space, Add	*20.72*	
		For Galvanized Fittings, Add	*212.35*	
23 21 13 23-1846	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,128.26	48.90
		For Work In Restricted Working Space, Add	*22.01*	
		For Galvanized Fittings, Add	*180.92*	
23 21 13 23-1847	EA	5" x 3", Grooved Eccentric Reducer	1,097.17	52.20
		For Work In Restricted Working Space, Add	*23.47*	
		For Galvanized Fittings, Add	*174.75*	
23 21 13 23-1848	EA	5" x 4", Grooved Eccentric Reducer	390.97	58.68
		For Work In Restricted Working Space, Add	*26.41*	
		For Galvanized Fittings, Add	*51.96*	
23 21 13 23-1849	EA	6" x 1", Grooved Eccentric Reducer	1,999.41	49.76
		For Work In Restricted Working Space, Add	*22.37*	
		For Galvanized Fittings, Add	*359.17*	
23 21 13 23-1850	EA	6" x 2", Grooved Eccentric Reducer	1,839.11	55.87
		For Work In Restricted Working Space, Add	*25.12*	
		For Galvanized Fittings, Add	*327.55*	
23 21 13 23-1851	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,178.26	58.68
		For Work In Restricted Working Space, Add	*26.41*	
		For Galvanized Fittings, Add	*390.04*	
23 21 13 23-1852	EA	6" x 3", Grooved Eccentric Reducer	496.26	61.98
		For Work In Restricted Working Space, Add	*27.88*	
		For Galvanized Fittings, Add	*75.26*	
23 21 13 23-1853	EA	6" x 4", Grooved Eccentric Reducer	455.75	68.46
		For Work In Restricted Working Space, Add	*30.81*	
		For Galvanized Fittings, Add	*65.88*	
23 21 13 23-1854	EA	6" x 5", Grooved Eccentric Reducer	535.98	75.06
		For Work In Restricted Working Space, Add	*33.74*	
		For Galvanized Fittings, Add	*79.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1855	EA	8" x 3", Grooved Eccentric Reducer	2,144.68	70.17
		For Work In Restricted Working Space, Add	*31.54*	
		For Galvanized Fittings, Add	*380.58*	
23 21 13 23-1856	EA	8" x 4", Grooved Eccentric Reducer	1,897.33	76.65
		For Work In Restricted Working Space, Add	*34.47*	
		For Galvanized Fittings, Add	*332.60*	
23 21 13 23-1857	EA	8" x 5", Grooved Eccentric Reducer	1,784.21	83.13
		For Work In Restricted Working Space, Add	*37.41*	
		For Galvanized Fittings, Add	*309.67*	
23 21 13 23-1858	EA	8" x 6", Grooved Eccentric Reducer	855.24	92.90
		For Work In Restricted Working Space, Add	*41.81*	
		For Galvanized Fittings, Add	*133.58*	
23 21 13 23-1859	EA	10" x 4", Grooved Eccentric Reducer	3,398.60	85.20
		For Work In Restricted Working Space, Add	*38.33*	
		For Galvanized Fittings, Add	*610.34*	
23 21 13 23-1860	EA	10" x 5", Grooved Eccentric Reducer	3,219.14	91.69
		For Work In Restricted Working Space, Add	*41.26*	
		For Galvanized Fittings, Add	*575.03*	
23 21 13 23-1861	EA	10" x 6", Grooved Eccentric Reducer	2,476.03	101.47
		For Work In Restricted Working Space, Add	*45.66*	
		For Galvanized Fittings, Add	*433.63*	
23 21 13 23-1862	EA	10" x 8", Grooved Eccentric Reducer	2,131.22	109.66
		For Work In Restricted Working Space, Add	*49.32*	
		For Galvanized Fittings, Add	*367.01*	
23 21 13 23-1863	EA	12" x 4", Grooved Eccentric Reducer	3,471.32	97.06
		For Work In Restricted Working Space, Add	*43.64*	
		For Galvanized Fittings, Add	*501.87*	
23 21 13 23-1864	EA	12" x 6", Grooved Eccentric Reducer	3,274.32	113.32
		For Work In Restricted Working Space, Add	*50.97*	
		For Galvanized Fittings, Add	*468.46*	
23 21 13 23-1865	EA	12" x 8", Grooved Eccentric Reducer	3,207.12	121.52
		For Work In Restricted Working Space, Add	*54.64*	
		For Galvanized Fittings, Add	*456.47*	
23 21 13 23-1866	EA	12" x 10", Grooved Eccentric Reducer	2,904.52	130.07
		For Work In Restricted Working Space, Add	*58.51*	
		For Galvanized Fittings, Add	*408.86*	
23 21 13 23-1867	EA	14" x 6", Grooved Eccentric Reducer	8,016.12	122.12
		For Work In Restricted Working Space, Add	*54.93*	
		For Galvanized Fittings, Add	*240.47*	
23 21 13 23-1868	EA	14" x 8", Grooved Eccentric Reducer	5,203.23	130.31
		For Work In Restricted Working Space, Add	*58.62*	
		For Galvanized Fittings, Add	*153.74*	
23 21 13 23-1869	EA	14" x 10", Grooved Eccentric Reducer	4,975.30	138.88
		For Work In Restricted Working Space, Add	*62.46*	
		For Galvanized Fittings, Add	*146.35*	
23 21 13 23-1870	EA	14" x 12", Grooved Eccentric Reducer	4,992.99	150.61
		For Work In Restricted Working Space, Add	*67.76*	
		For Galvanized Fittings, Add	*146.35*	
23 21 13 23-1871	EA	16" x 8", Grooved Eccentric Reducer	8,859.03	139.00
		For Work In Restricted Working Space, Add	*62.54*	
		For Galvanized Fittings, Add	*265.57*	
23 21 13 23-1872	EA	16" x 10", Grooved Eccentric Reducer	8,215.08	147.55
		For Work In Restricted Working Space, Add	*66.39*	
		For Galvanized Fittings, Add	*245.41*	
23 21 13 23-1873	EA	16" x 12", Grooved Eccentric Reducer	7,750.23	159.41
		For Work In Restricted Working Space, Add	*71.69*	
		For Galvanized Fittings, Add	*230.60*	
23 21 13 23-1874	EA	16" x 14", Grooved Eccentric Reducer	7,763.44	168.22
		For Work In Restricted Working Space, Add	*75.65*	
		For Galvanized Fittings, Add	*230.60*	
23 21 13 23-1875	EA	18" x 10", Grooved Eccentric Reducer	11,105.79	155.75
		For Work In Restricted Working Space, Add	*70.04*	
		For Galvanized Fittings, Add	*333.78*	
23 21 13 23-1876	EA	18" x 12", Grooved Eccentric Reducer	10,460.23	167.48
		For Work In Restricted Working Space, Add	*75.34*	
		For Galvanized Fittings, Add	*313.42*	
23 21 13 23-1877	EA	18" x 14", Grooved Eccentric Reducer	9,539.82	176.28
		For Work In Restricted Working Space, Add	*79.31*	
		For Galvanized Fittings, Add	*284.76*	
23 21 13 23-1878	EA	18" x 16", Grooved Eccentric Reducer	9,553.02	185.20
		For Work In Restricted Working Space, Add	*83.27*	
		For Galvanized Fittings, Add	*284.76*	
23 21 13 23-1879	EA	20" x 10", Grooved Eccentric Reducer	14,566.64	159.78
		For Work In Restricted Working Space, Add	*71.85*	
		For Galvanized Fittings, Add	*439.84*	
23 21 13 23-1880	EA	20" x 12", Grooved Eccentric Reducer	10,854.88	171.64
		For Work In Restricted Working Space, Add	*77.18*	
		For Galvanized Fittings, Add	*325.35*	
23 21 13 23-1881	EA	20" x 14", Grooved Eccentric Reducer	10,205.56	180.43
		For Work In Restricted Working Space, Add	*81.14*	
		For Galvanized Fittings, Add	*305.01*	
23 21 13 23-1882	EA	20" x 16", Grooved Eccentric Reducer	10,057.84	189.12
		For Work In Restricted Working Space, Add	*85.05*	
		For Galvanized Fittings, Add	*300.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1883	EA	20" x 18", Grooved Eccentric Reducer	9,695.69	197.31
		For Work In Restricted Working Space, Add	*88.76*	
		For Galvanized Fittings, Add	*288.58*	
23 21 13 23-1884	EA	24" x 12", Grooved Eccentric Reducer	21,024.63	189.60
		For Work In Restricted Working Space, Add	*85.29*	
		For Galvanized Fittings, Add	*636.73*	
23 21 13 23-1885	EA	24" x 14", Grooved Eccentric Reducer	17,974.00	198.29
		For Work In Restricted Working Space, Add	*89.19*	
		For Galvanized Fittings, Add	*542.68*	
23 21 13 23-1886	EA	24" x 16", Grooved Eccentric Reducer	17,987.30	207.21
		For Work In Restricted Working Space, Add	*93.18*	
		For Galvanized Fittings, Add	*542.68*	
23 21 13 23-1887	EA	24" x 18", Grooved Eccentric Reducer	16,996.01	215.28
		For Work In Restricted Working Space, Add	*96.82*	
		For Galvanized Fittings, Add	*511.87*	
23 21 13 23-1888	EA	24" x 20", Grooved Eccentric Reducer	15,544.21	219.43
		For Work In Restricted Working Space, Add	*98.69*	
		For Galvanized Fittings, Add	*467.11*	

23 21 13 23-1889 Grooved, Close Nipple *(23 21 13 23-1727)*

Note: Victaulic No. 143

23 21 13 23-1890	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	66.31	16.13
		For Work In Restricted Working Space, Add	*7.34*	
		For Galvanized Fittings, Add	*7.53*	
		For 300 Lb. Rating, Add	*6.28*	
		For Galvanized Fittings, Add	*10.72*	
23 21 13 23-1891	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	76.18	20.17
		For Work In Restricted Working Space, Add	*9.17*	
		For Galvanized Fittings, Add	*8.21*	
		For 300 Lb. Rating, Add	*6.84*	
		For Galvanized Fittings, Add	*11.68*	
23 21 13 23-1892	EA	2" Ductile Iron, Grooved, Close Nipple	95.33	26.63
		For Work In Restricted Working Space, Add	*12.10*	
		For Galvanized Fittings, Add	*9.90*	
		For 300 Lb. Rating, Add	*8.25*	
		For Galvanized Fittings, Add	*14.08*	
23 21 13 23-1893	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	113.88	32.28
		For Work In Restricted Working Space, Add	*14.67*	
		For Galvanized Fittings, Add	*11.70*	
		For 300 Lb. Rating, Add	*9.75*	
		For Galvanized Fittings, Add	*16.63*	

23 21 13 23-1894 Grooved Caps *(23 21 13 23-1727)*

Note: Victaulic No. 60

23 21 13 23-1895	EA	1" Carbon Steel Grooved Cap	127.79	5.01
		For Work In Restricted Working Space, Add	*3.01*	
23 21 13 23-1896	EA	1-1/4" Carbon Steel Grooved Cap	130.24	6.23
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-1897	EA	1-1/2" Carbon Steel Grooved Cap	132.93	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-1898	EA	2" Carbon Steel Grooved Cap	137.70	10.02
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-1899	EA	2-1/2" Carbon Steel Grooved Cap	142.10	12.23
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-1900	EA	3" Carbon Steel Grooved Cap	147.23	14.79
		For Work In Restricted Working Space, Add	*8.84*	
23 21 13 23-1901	EA	4" Carbon Steel Grooved Cap	164.47	19.56
		For Work In Restricted Working Space, Add	*11.70*	
23 21 13 23-1902	EA	5" Carbon Steel Grooved Cap	336.99	24.33
		For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-1903	EA	6" Carbon Steel Grooved Cap	351.63	31.90
		For Work In Restricted Working Space, Add	*19.11*	
23 21 13 23-1904	EA	8" Carbon Steel Grooved Cap	623.31	37.89
		For Work In Restricted Working Space, Add	*22.74*	
23 21 13 23-1905	EA	10" Carbon Steel Grooved Cap	1,043.27	44.25
		For Work In Restricted Working Space, Add	*26.52*	
23 21 13 23-1906	EA	12" Carbon Steel Grooved Cap	1,775.65	53.06
		For Work In Restricted Working Space, Add	*31.83*	

23 21 13 23-1907 Grooved Couplings *(23 21 13 23-1484)*

23 21 13 23-1908 Flexible Grooved Coupling *(23 21 13 23-1907)*

Note: Victaulic Style 77

23 21 13 23-1909	EA	3/4" Grooved Standard Coupling	24.17	6.60
		For Work In Restricted Working Space, Add	*2.99*	
		For Galvanized Fittings, Add	*3.97*	
23 21 13 23-1910	EA	1" Grooved Standard Coupling	24.17	6.60
		For Work In Restricted Working Space, Add	*2.99*	
		For Galvanized Fittings, Add	*3.97*	
23 21 13 23-1911	EA	1-1/4" Grooved Standard Coupling	31.35	8.31
		For Work In Restricted Working Space, Add	*3.74*	
		For Galvanized Fittings, Add	*5.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1912	EA	1-1/2" Grooved Standard Coupling	35.54	9.90
		For Work In Restricted Working Space, Add	*4.47*	
		For Galvanized Fittings, Add	*5.78*	
23 21 13 23-1913	EA	2" Grooved Standard Coupling	41.78	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*6.10*	
23 21 13 23-1914	EA	2-1/2" Grooved Standard Coupling	50.43	16.26
		For Work In Restricted Working Space, Add	*7.30*	
		For Galvanized Fittings, Add	*7.31*	
23 21 13 23-1915	EA	3" Grooved Standard Coupling	55.15	19.43
		For Work In Restricted Working Space, Add	*8.72*	
		For Galvanized Fittings, Add	*7.31*	
23 21 13 23-1916	EA	3-1/2" Grooved Standard Coupling	76.19	22.74
		For Work In Restricted Working Space, Add	*10.25*	
		For Galvanized Fittings, Add	*11.77*	
23 21 13 23-1917	EA	4" Grooved Standard Coupling	80.97	25.92
		For Work In Restricted Working Space, Add	*11.68*	
		For Galvanized Fittings, Add	*11.77*	
23 21 13 23-1918	EA	5" Grooved Standard Coupling	113.12	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*18.05*	
23 21 13 23-1919	EA	6" Grooved Standard Coupling	139.86	42.42
		For Work In Restricted Working Space, Add	*19.10*	
		For Galvanized Fittings, Add	*21.33*	
23 21 13 23-1920	EA	8" Grooved Standard Coupling	199.99	50.61
		For Work In Restricted Working Space, Add	*22.74*	
		For Galvanized Fittings, Add	*34.78*	
23 21 13 23-1921	EA	10" Grooved Standard Coupling	297.37	60.64
		For Work In Restricted Working Space, Add	*27.29*	
		For Galvanized Fittings, Add	*57.79*	
23 21 13 23-1922	EA	12" Grooved Standard Coupling	334.51	66.38
		For Work In Restricted Working Space, Add	*29.85*	
		For Galvanized Fittings, Add	*65.81*	
23 21 13 23-1923	EA	14" Grooved Standard Coupling	418.15	88.51
		For Work In Restricted Working Space, Add	*39.80*	
		For Galvanized Fittings, Add	*79.94*	
23 21 13 23-1924	EA	16" Grooved Standard Coupling	533.67	106.23
		For Work In Restricted Working Space, Add	*47.75*	
		For Galvanized Fittings, Add	*104.86*	
23 21 13 23-1925	EA	18" Grooved Standard Coupling	615.44	117.96
		For Work In Restricted Working Space, Add	*53.06*	
		For Galvanized Fittings, Add	*122.80*	
23 21 13 23-1926	EA	20" Grooved Standard Coupling	888.94	132.76
		For Work In Restricted Working Space, Add	*59.69*	
		For Galvanized Fittings, Add	*193.19*	
23 21 13 23-1927	EA	24" Grooved Standard Coupling	1,001.54	163.32
		For Work In Restricted Working Space, Add	*73.47*	
		For Galvanized Fittings, Add	*211.86*	

23 21 13 23-1928 Zero-Flex® Rigid Coupling *(23 21 13 23-1907)*

Note: Victaulic Style 07

23 21 13 23-1929	EA	1" Grooved Rigid Coupling	29.72	6.60
		For Work In Restricted Working Space, Add	*2.99*	
		For Galvanized Fittings, Add	*4.84*	
23 21 13 23-1930	EA	1-1/4" Grooved Rigid Coupling	32.22	8.31
		For Work In Restricted Working Space, Add	*3.74*	
		For Galvanized Fittings, Add	*4.84*	
23 21 13 23-1931	EA	1-1/2" Grooved Rigid Coupling	34.65	9.90
		For Work In Restricted Working Space, Add	*4.47*	
		For Galvanized Fittings, Add	*4.84*	
23 21 13 23-1932	EA	2" Grooved Rigid Coupling	40.22	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*4.96*	
23 21 13 23-1933	EA	2-1/2" Grooved Rigid Coupling	47.67	16.26
		For Work In Restricted Working Space, Add	*7.30*	
		For Galvanized Fittings, Add	*5.72*	
23 21 13 23-1934	EA	3" Grooved Rigid Coupling	52.39	19.43
		For Work In Restricted Working Space, Add	*8.72*	
		For Galvanized Fittings, Add	*5.72*	
23 21 13 23-1935	EA	3-1/2" Grooved Rigid Coupling	61.42	22.74
		For Work In Restricted Working Space, Add	*10.25*	
		For Galvanized Fittings, Add	*6.68*	
23 21 13 23-1936	EA	4" Grooved Rigid Coupling	77.57	25.92
		For Work In Restricted Working Space, Add	*11.68*	
		For Galvanized Fittings, Add	*9.47*	
23 21 13 23-1937	EA	5" Grooved Rigid Coupling	98.84	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*12.29*	
23 21 13 23-1938	EA	6" Grooved Rigid Coupling	130.75	42.42
		For Work In Restricted Working Space, Add	*19.10*	
		For Galvanized Fittings, Add	*16.43*	
23 21 13 23-1939	EA	8" Grooved Rigid Coupling	181.46	50.61
		For Work In Restricted Working Space, Add	*22.74*	
		For Galvanized Fittings, Add	*25.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1940	EA	10" Grooved Rigid Coupling	280.31	60.64
		For Work In Restricted Working Space, Add	*27.29*	
		For Galvanized Fittings, Add	*46.39*	
23 21 13 23-1941	EA	12" Grooved Rigid Coupling	311.38	66.38
		For Work In Restricted Working Space, Add	*29.85*	
		For Galvanized Fittings, Add	*51.91*	
23 21 13 23-1942	EA	14" Grooved Rigid Coupling	409.48	88.51
		For Work In Restricted Working Space, Add	*39.80*	
		For Galvanized Fittings, Add	*67.82*	
23 21 13 23-1943	EA	16" Grooved Rigid Coupling	520.23	106.23
		For Work In Restricted Working Space, Add	*47.75*	
		For Galvanized Fittings, Add	*88.46*	
23 21 13 23-1944	EA	18" Grooved Rigid Coupling	594.24	117.96
		For Work In Restricted Working Space, Add	*53.06*	
		For Galvanized Fittings, Add	*102.26*	
23 21 13 23-1945	EA	20" Grooved Rigid Coupling	695.89	132.76
		For Work In Restricted Working Space, Add	*59.69*	
		For Galvanized Fittings, Add	*121.75*	
23 21 13 23-1946	EA	24" Grooved Rigid Coupling	976.83	163.32
		For Work In Restricted Working Space, Add	*73.47*	
		For Galvanized Fittings, Add	*179.33*	

23 21 13 23-1947 Large Diameter Grooved Coupling *(23 21 13 23-1907)*

Note: Victaulic Style 770

23 21 13 23-1948	EA	28" Grooved Coupling	926.96	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*122.96*	
23 21 13 23-1949	EA	30" Grooved Coupling	1,074.87	42.42
		For Work In Restricted Working Space, Add	*19.10*	
		For Galvanized Fittings, Add	*141.57*	
23 21 13 23-1950	EA	32" Grooved Coupling	1,590.12	50.61
		For Work In Restricted Working Space, Add	*22.74*	
		For Galvanized Fittings, Add	*212.01*	
23 21 13 23-1951	EA	36" Grooved Coupling	2,108.42	60.64
		For Work In Restricted Working Space, Add	*27.29*	
		For Galvanized Fittings, Add	*282.44*	
23 21 13 23-1952	EA	42" Grooved Coupling	4,179.61	66.38
		For Work In Restricted Working Space, Add	*29.85*	
		For Galvanized Fittings, Add	*571.22*	

23 21 13 23-1953 Flexible Coupling *(23 21 13 23-1907)*

Note: Victaulic Style 75

23 21 13 23-1954	EA	1-1/2" Grooved Flexible Coupling	32.85	9.90
		For Work In Restricted Working Space, Add	*4.47*	
		For Galvanized Fittings, Add	*4.59*	
23 21 13 23-1955	EA	2" Grooved Flexible Coupling	38.38	13.33
		For Work In Restricted Working Space, Add	*5.99*	
		For Galvanized Fittings, Add	*4.71*	
23 21 13 23-1956	EA	2-1/2" Grooved Flexible Coupling	45.67	16.26
		For Work In Restricted Working Space, Add	*7.30*	
		For Galvanized Fittings, Add	*5.46*	
23 21 13 23-1957	EA	3" Grooved Flexible Coupling	53.86	19.43
		For Work In Restricted Working Space, Add	*8.72*	
		For Galvanized Fittings, Add	*6.35*	
23 21 13 23-1958	EA	3-1/2" Grooved Flexible Coupling	69.28	22.74
		For Work In Restricted Working Space, Add	*10.25*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1959	EA	4" Grooved Flexible Coupling	74.06	25.92
		For Work In Restricted Working Space, Add	*11.68*	
		For Galvanized Fittings, Add	*8.99*	
23 21 13 23-1960	EA	5" Grooved Flexible Coupling	99.34	32.52
		For Work In Restricted Working Space, Add	*14.60*	
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-1961	EA	6" Grooved Flexible Coupling	124.72	42.42
		For Work In Restricted Working Space, Add	*19.10*	
		For Galvanized Fittings, Add	*15.63*	
23 21 13 23-1962	EA	8" Grooved Flexible Coupling	171.76	50.61
		For Work In Restricted Working Space, Add	*22.74*	
		For Galvanized Fittings, Add	*24.57*	

23 21 13 23-1963 Installation-Ready™ Coupling *(23 21 13 23-1907)*

Note: Victaulic Style 009N

23 21 13 23-1964	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	83.10	6.17
		For Work In Restricted Working Space, Add	*2.81*	
		For Galvanized Fittings, Add	*18.88*	
23 21 13 23-1965	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	86.45	7.39
		For Work In Restricted Working Space, Add	*3.35*	
		For Galvanized Fittings, Add	*19.27*	
23 21 13 23-1966	EA	2" Ductile Iron, Installation-Ready™ Coupling	100.18	9.92
		For Work In Restricted Working Space, Add	*4.51*	
		For Galvanized Fittings, Add	*21.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1967	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	116.30	12.02
		For Work In Restricted Working Space, Add	*5.47*	
		For Galvanized Fittings, Add	*25.11*	
23 21 13 23-1968	EA	3" Ductile Iron, Installation-Ready™ Coupling	132.87	14.44
		For Work In Restricted Working Space, Add	*6.56*	
		For Galvanized Fittings, Add	*28.41*	
23 21 13 23-1969	EA	4" Ductile Iron, Installation-Ready™ Coupling	185.08	19.28
		For Work In Restricted Working Space, Add	*8.77*	
		For Galvanized Fittings, Add	*39.90*	
23 21 13 23-1970	EA	5" Ductile Iron, Installation-Ready™ Coupling	291.48	24.12
		For Work In Restricted Working Space, Add	*10.97*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1971	EA	6" Ductile Iron, Installation-Ready™ Coupling	352.41	31.55
		For Work In Restricted Working Space, Add	*14.34*	
		For Galvanized Fittings, Add	*77.98*	
23 21 13 23-1972	EA	8" Ductile Iron, Installation-Ready™ Coupling	565.77	37.52
		For Work In Restricted Working Space, Add	*17.05*	
		For Galvanized Fittings, Add	*130.29*	

23 21 13 23-1973 Grooved Strainers And Suction Diffusers *(23 21 13 23-1484)*

23 21 13 23-1974 Grooved Wye Strainers *(23 21 13 23-1973)*

Note: Victaulic Style 732

23 21 13 23-1975	EA	2" Grooved Wye Strainer	2,662.95	26.89
		For Work In Restricted Working Space, Add	*11.99*	
23 21 13 23-1976	EA	2-1/2" Grooved Wye Strainer	2,803.87	32.64
		For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-1977	EA	3" Grooved Wye Strainer	3,153.56	39.12
		For Work In Restricted Working Space, Add	*17.70*	
23 21 13 23-1978	EA	4" Grooved Wye Strainer	3,580.72	52.20
		For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-1979	EA	5" Grooved Wye Strainer	5,171.47	65.28
		For Work In Restricted Working Space, Add	*29.20*	
23 21 13 23-1980	EA	6" Grooved Wye Strainer	5,635.95	84.84
		For Work In Restricted Working Space, Add	*38.20*	
23 21 13 23-1981	EA	8" Grooved Wye Strainer	8,596.55	101.10
		For Work In Restricted Working Space, Add	*45.48*	
23 21 13 23-1982	EA	10" Grooved Wye Strainer	13,752.51	118.22
		For Work In Restricted Working Space, Add	*53.06*	
23 21 13 23-1983	EA	12" Grooved Wye Strainer	23,927.79	141.93
		For Work In Restricted Working Space, Add	*63.67*	

23 21 13 23-1984 Grooved Tee Type Strainers *(23 21 13 23-1973)*

Note: Victaulic Style 730

23 21 13 23-1985	EA	1-1/2" Grooved Tee Type Strainer	2,054.39	20.41
		For Work In Restricted Working Space, Add	*9.08*	
23 21 13 23-1986	EA	2" Grooved Tee Type Strainer	2,630.58	26.89
		For Work In Restricted Working Space, Add	*11.99*	
23 21 13 23-1987	EA	2-1/2" Grooved Tee Type Strainer	2,770.23	32.64
		For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-1988	EA	3" Grooved Tee Type Strainer	3,115.55	39.12
		For Work In Restricted Working Space, Add	*17.70*	
23 21 13 23-1989	EA	4" Grooved Tee Type Strainer	3,537.62	52.20
		For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-1990	EA	5" Grooved Tee Type Strainer	5,108.72	65.28
		For Work In Restricted Working Space, Add	*29.20*	
23 21 13 23-1991	EA	6" Grooved Tee Type Strainer	5,568.29	84.84
		For Work In Restricted Working Space, Add	*38.20*	
23 21 13 23-1992	EA	8" Grooved Tee Type Strainer	8,491.80	101.10
		For Work In Restricted Working Space, Add	*45.48*	
23 21 13 23-1993	EA	10" Grooved Tee Type Strainer	12,426.73	118.22
		For Work In Restricted Working Space, Add	*53.06*	
23 21 13 23-1994	EA	12" Grooved Tee Type Strainer	15,981.15	141.93
		For Work In Restricted Working Space, Add	*63.67*	
23 21 13 23-1995	EA	14" Grooved Tee Type Strainer	56,445.48	159.78
		For Work In Restricted Working Space, Add	*71.91*	
23 21 13 23-1996	EA	16" Grooved Tee Type Strainer	70,120.92	176.89
		For Work In Restricted Working Space, Add	*79.59*	
23 21 13 23-1997	EA	18" Grooved Tee Type Strainer	92,170.27	193.28
		For Work In Restricted Working Space, Add	*86.90*	

23 21 13 23-1998 Grooved Suction Diffuser *(23 21 13 23-1973)*

Note: Victaulic Style 731

23 21 13 23-1999	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,423.74	30.19
		For Work In Restricted Working Space, Add	*13.39*	
23 21 13 23-2000	EA	3" Grooved x 2" Flanged Suction Diffuser	5,757.80	33.37
		For Work In Restricted Working Space, Add	*14.85*	
23 21 13 23-2001	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,161.80	39.12
		For Work In Restricted Working Space, Add	*17.70*	
23 21 13 23-2002	EA	3" Grooved x 3" Flanged Suction Diffuser	4,220.94	42.42
		For Work In Restricted Working Space, Add	*19.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2003	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,571.76	42.42
		For Work In Restricted Working Space, Add	*19.07*	
23 21 13 23-2004	EA	4" Grooved x 3" Flanged Suction Diffuser	4,932.37	45.72
		For Work In Restricted Working Space, Add	*20.54*	
23 21 13 23-2005	EA	4" Grooved x 4" Flanged Suction Diffuser	5,701.72	45.72
		For Work In Restricted Working Space, Add	*20.72*	
23 21 13 23-2006	EA	5" Grooved x 4" Flanged Suction Diffuser	6,366.99	58.68
		For Work In Restricted Working Space, Add	*26.41*	
23 21 13 23-2007	EA	5" Grooved x 5" Flanged Suction Diffuser	6,690.52	61.98
		For Work In Restricted Working Space, Add	*27.88*	
23 21 13 23-2008	EA	6" Grooved x 4" Flanged Suction Diffuser	6,797.41	68.46
		For Work In Restricted Working Space, Add	*30.81*	
23 21 13 23-2009	EA	6" Grooved x 5" Flanged Suction Diffuser	8,120.96	75.06
		For Work In Restricted Working Space, Add	*33.74*	
23 21 13 23-2010	EA	6" Grooved x 6" Flanged Suction Diffuser	8,435.09	79.95
		For Work In Restricted Working Space, Add	*35.94*	
23 21 13 23-2011	EA	8" Grooved x 5" Flanged Suction Diffuser	8,655.12	83.13
		For Work In Restricted Working Space, Add	*37.41*	
23 21 13 23-2012	EA	8" Grooved x 6" Flanged Suction Diffuser	9,134.63	92.90
		For Work In Restricted Working Space, Add	*41.81*	
23 21 13 23-2013	EA	8" Grooved x 8" Flanged Suction Diffuser	15,631.33	101.10
		For Work In Restricted Working Space, Add	*45.48*	
23 21 13 23-2014	EA	10" Grooved x 8" Flanged Suction Diffuser	17,631.35	109.29
		For Work In Restricted Working Space, Add	*49.32*	
23 21 13 23-2015	EA	10" Grooved x 10" Flanged Suction Diffuser	21,217.71	113.32
		For Work In Restricted Working Space, Add	*50.97*	
23 21 13 23-2016	EA	12" Grooved x 10" Flanged Suction Diffuser	25,109.07	130.43
		For Work In Restricted Working Space, Add	*58.51*	
23 21 13 23-2017	EA	12" Grooved x 12" Flanged Suction Diffuser	34,861.78	138.63
		For Work In Restricted Working Space, Add	*62.33*	
23 21 13 23-2018	EA	14" Grooved x 10" Flanged Suction Diffuser	32,459.45	138.63
		For Work In Restricted Working Space, Add	*62.46*	
23 21 13 23-2019	EA	14" Grooved x 12" Flanged Suction Diffuser	36,252.78	150.85
		For Work In Restricted Working Space, Add	*67.76*	
23 21 13 23-2020	EA	14" Grooved x 14" Flanged Suction Diffuser	43,988.99	159.78
		For Work In Restricted Working Space, Add	*71.69*	
23 21 13 23-2021	EA	16" Grooved x 14" Flanged Suction Diffuser	45,286.69	167.96
		For Work In Restricted Working Space, Add	*75.65*	

23 21 13 23-2022 Grooved Steel Valves *(23 21 13 23-1484)*

23 21 13 23-2023 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2022)*

23 21 13 23-2024	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	292.19	13.33
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2025	EA	2" Butterfly Valve, Grooved, With Standard Trim	298.50	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2026	EA	3" Butterfly Valve, Grooved, With Standard Trim	489.37	25.92
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2027	EA	4" Butterfly Valve, Grooved, With Standard Trim	657.22	34.11
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2028	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,431.86	55.87
		For Work In Restricted Working Space, Add	*25.13*	
23 21 13 23-2029	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,984.47	78.60
		For Work In Restricted Working Space, Add	*35.37*	
23 21 13 23-2030	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,978.48	106.23
		For Work In Restricted Working Space, Add	*47.75*	

23 21 13 23-2031 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2022)*

23 21 13 23-2032	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	438.01	13.33
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2033	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	444.32	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2034	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	687.04	25.92
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2035	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	874.34	34.11
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2036	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,671.66	55.87
		For Work In Restricted Working Space, Add	*25.13*	
23 21 13 23-2037	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,775.17	78.60
		For Work In Restricted Working Space, Add	*35.37*	
23 21 13 23-2038	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,371.92	106.23
		For Work In Restricted Working Space, Add	*47.75*	

23 21 13 23-2039 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2022)*

Note: Victaulic No. 721

23 21 13 23-2040	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	246.86	13.08
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2041	EA	2" Ball Valve, Grooved, With Standard Trim	283.14	17.97
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2042	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	643.62	22.00
		For Work In Restricted Working Space, Add	*9.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2043	EA	3" Ball Valve, Grooved, With Standard Trim	1,053.92	26.04
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2044	EA	4" Ball Valve, Grooved, With Standard Trim	1,640.28	34.23
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2045	EA	6" Ball Valve, Grooved, With Standard Trim	5,092.49	56.23
		For Work In Restricted Working Space, Add	*25.13*	

23 21 13 23-2046 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2022)*

Note: Victaulic No. 721

23 21 13 23-2047	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	262.83	13.08
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2048	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	448.93	17.97
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2049	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,166.39	22.00
		For Work In Restricted Working Space, Add	*9.90*	
23 21 13 23-2050	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,507.97	26.04
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2051	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,059.87	34.23
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2052	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,612.42	56.23
		For Work In Restricted Working Space, Add	*25.13*	

23 21 13 23-2053 Grooved Check Valves *(23 21 13 23-2022)*

Note: Victaulic No. 712

23 21 13 23-2054	EA	2" Check Valve, Grooved	374.41	17.97
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2055	EA	2-1/2" Check Valve, Grooved	606.76	22.00
		For Work In Restricted Working Space, Add	*9.90*	
23 21 13 23-2056	EA	3" Check Valve, Grooved	707.03	26.04
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2057	EA	4" Check Valve, Grooved	1,001.79	34.23
		For Work In Restricted Working Space, Add	*15.37*	

23 21 13 23-2058 Grooved Vic-Check Check Valves *(23 21 13 23-2022)*

Note: Victaulic No. 716

23 21 13 23-2059	EA	2-1/2" "Vic-Check" Check Valve, Grooved	485.52	22.00
		For Work In Restricted Working Space, Add	*9.90*	
23 21 13 23-2060	EA	3" "Vic-Check" Check Valve, Grooved	491.46	26.04
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2061	EA	4" "Vic-Check" Check Valve, Grooved	616.15	34.23
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2062	EA	6" "Vic-Check" Check Valve, Grooved	1,199.55	56.23
		For Work In Restricted Working Space, Add	*25.13*	
23 21 13 23-2063	EA	8" "Vic-Check" Check Valve, Grooved	1,641.55	78.24
		For Work In Restricted Working Space, Add	*34.97*	
23 21 13 23-2064	EA	10" "Vic-Check" Check Valve, Grooved	4,571.01	105.99
		For Work In Restricted Working Space, Add	*47.36*	
23 21 13 23-2065	EA	12" "Vic-Check" Check Valve, Grooved	5,412.41	122.37
		For Work In Restricted Working Space, Add	*54.64*	

23 21 13 23-2066 Grooved Plug Valves With Lever Operator *(23 21 13 23-2022)*

Note: Victaulic No. 377

23 21 13 23-2067	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,381.60	26.04
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2068	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,528.70	34.23
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2069	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,733.67	56.23
		For Work In Restricted Working Space, Add	*25.13*	

23 21 13 23-2070 Grooved Plug Valve With Gear Operator *(23 21 13 23-2022)*

Note: Victaulic No. 377

23 21 13 23-2071	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,464.45	26.04
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2072	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,611.64	34.23
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2073	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,816.62	56.23
		For Work In Restricted Working Space, Add	*25.13*	
23 21 13 23-2074	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,102.81	78.24
		For Work In Restricted Working Space, Add	*34.97*	
23 21 13 23-2075	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,021.19	105.99
		For Work In Restricted Working Space, Add	*47.36*	
23 21 13 23-2076	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,635.66	122.37
		For Work In Restricted Working Space, Add	*54.64*	

23 21 13 23-2077 Prepare Pipe For Groove *(23 21 13 23-1484)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2078		**Cut Grooved Pipe** *(23 21 13 23-2077)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2079	EA	Cut 3/4" Groove Pipe	12.80	
		For Work In Restricted Working Space, Add	*3.84*	
23 21 13 23-2080	EA	Cut 1" Groove Pipe	13.91	
		For Work In Restricted Working Space, Add	*4.17*	
23 21 13 23-2081	EA	Cut 1-1/4" Groove Pipe	15.70	
		For Work In Restricted Working Space, Add	*4.71*	
23 21 13 23-2082	EA	Cut 1-1/2" Groove Pipe	17.08	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2083	EA	Cut 2" Groove Pipe	18.72	
		For Work In Restricted Working Space, Add	*5.62*	
23 21 13 23-2084	EA	Cut 2-1/2" Groove Pipe	20.28	
		For Work In Restricted Working Space, Add	*6.08*	
23 21 13 23-2085	EA	Cut 3" Groove Pipe	22.12	
		For Work In Restricted Working Space, Add	*6.64*	
23 21 13 23-2086	EA	Cut 3-1/2" Groove Pipe	23.45	
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-2087	EA	Cut 4" Groove Pipe	24.96	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-2088	EA	Cut 5" Groove Pipe	27.03	
		For Work In Restricted Working Space, Add	*8.11*	
23 21 13 23-2089	EA	Cut 6" Groove Pipe	27.81	
		For Work In Restricted Working Space, Add	*8.34*	
23 21 13 23-2090	EA	Cut 8" Groove Pipe	36.05	
		For Work In Restricted Working Space, Add	*10.82*	
23 21 13 23-2091	EA	Cut 10" Groove Pipe	51.23	
		For Work In Restricted Working Space, Add	*15.37*	
23 21 13 23-2092	EA	Cut 12" Groove Pipe	64.88	
		For Work In Restricted Working Space, Add	*19.46*	
23 21 13 23-2093	EA	Cut 14" Groove Pipe	97.33	
		For Work In Restricted Working Space, Add	*29.20*	
23 21 13 23-2094	EA	Cut 16" Groove Pipe	102.46	
		For Work In Restricted Working Space, Add	*30.74*	
23 21 13 23-2095	EA	Cut 18" Groove Pipe	108.14	
		For Work In Restricted Working Space, Add	*32.44*	
23 21 13 23-2096	EA	Cut 20" Groove Pipe	114.51	
		For Work In Restricted Working Space, Add	*34.35*	
23 21 13 23-2097	EA	Cut 24" Groove Pipe	129.77	
		For Work In Restricted Working Space, Add	*38.93*	
23 21 13 23-2098		**Roll Grooved Pipe** *(23 21 13 23-2077)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2099	EA	Roll 3/4" Groove	7.32	
		For Work In Restricted Working Space, Add	*2.20*	
23 21 13 23-2100	EA	Roll 1" Groove	8.53	
		For Work In Restricted Working Space, Add	*2.56*	
23 21 13 23-2101	EA	Roll 1-1/4" Groove	9.73	
		For Work In Restricted Working Space, Add	*2.92*	
23 21 13 23-2102	EA	Roll 1-1/2" Groove	10.94	
		For Work In Restricted Working Space, Add	*3.28*	
23 21 13 23-2103	EA	Roll 2" Groove	16.78	
		For Work In Restricted Working Space, Add	*5.03*	
23 21 13 23-2104	EA	Roll 2-1/2" Groove	17.69	
		For Work In Restricted Working Space, Add	*5.31*	
23 21 13 23-2105	EA	Roll 3" Groove	19.46	
		For Work In Restricted Working Space, Add	*5.84*	
23 21 13 23-2106	EA	Roll 3-1/2" Groove	20.71	
		For Work In Restricted Working Space, Add	*6.21*	
23 21 13 23-2107	EA	Roll 4" Groove	22.63	
		For Work In Restricted Working Space, Add	*6.79*	
23 21 13 23-2108	EA	Roll 5" Groove	23.18	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2109	EA	Roll 6" Groove	24.34	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2110	EA	Roll 8" Groove	29.50	
		For Work In Restricted Working Space, Add	*8.85*	
23 21 13 23-2111	EA	Roll 10" Groove	33.56	
		For Work In Restricted Working Space, Add	*10.07*	
23 21 13 23-2112	EA	Roll 12" Groove	42.32	
		For Work In Restricted Working Space, Add	*12.70*	
23 21 13 23-2113	EA	Roll 14" Groove	64.88	
		For Work In Restricted Working Space, Add	*19.46*	
23 21 13 23-2114	EA	Roll 16" Groove	69.52	
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-2115	EA	Roll 18" Groove	72.10	
		For Work In Restricted Working Space, Add	*21.63*	
23 21 13 23-2116	EA	Roll 20" Groove	77.87	
		For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-2117	EA	Roll 24" Groove	84.63	
		For Work In Restricted Working Space, Add	*25.39*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2118			**Standard Gaskets** *(23 21 13 23-2077)*		
			Note: For use on replacement of existing gaskets.		
23 21 13 23-2119		EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.33	
			For Work In Restricted Working Space, Add	*1.53*	
23 21 13 23-2120		EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.35	
			For Work In Restricted Working Space, Add	*1.83*	
23 21 13 23-2121		EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.32	
			For Work In Restricted Working Space, Add	*2.04*	
23 21 13 23-2122		EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	19.09	
			For Work In Restricted Working Space, Add	*2.29*	
23 21 13 23-2123		EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	19.82	
			For Work In Restricted Working Space, Add	*2.51*	
23 21 13 23-2124		EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.66	
			For Work In Restricted Working Space, Add	*2.62*	
23 21 13 23-2125		EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	25.00	
			For Work In Restricted Working Space, Add	*2.96*	
23 21 13 23-2126		EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.03	
			For Work In Restricted Working Space, Add	*3.22*	
23 21 13 23-2127		EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.63	
			For Work In Restricted Working Space, Add	*3.40*	
23 21 13 23-2128		EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	36.87	
			For Work In Restricted Working Space, Add	*3.49*	
23 21 13 23-2129		EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.49	
			For Work In Restricted Working Space, Add	*3.67*	
23 21 13 23-2130		EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	52.93	
			For Work In Restricted Working Space, Add	*4.58*	
23 21 13 23-2131		EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	65.25	
			For Work In Restricted Working Space, Add	*5.09*	
23 21 13 23-2132		EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	77.91	
			For Work In Restricted Working Space, Add	*6.55*	
23 21 13 23-2133		EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	109.69	
			For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-2134		EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	142.14	
			For Work In Restricted Working Space, Add	*10.42*	
23 21 13 23-2135		EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	165.68	
			For Work In Restricted Working Space, Add	*10.79*	
23 21 13 23-2136		EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	237.78	
			For Work In Restricted Working Space, Add	*11.46*	
23 21 13 23-2137		EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	321.06	
			For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2138			**Copper Grooved-Joint Pipe Fittings** *(23 21 13 23)*		
			Note: Couplings are not included with fittings.		
23 21 13 23-2139			**Grooved Fittings** *(23 21 13 23-2138)*		
23 21 13 23-2140			**Grooved 90 Degree Elbows** *(23 21 13 23-2139)*		
23 21 13 23-2141		EA	2" Copper 90 Degree Elbow, Grooved	158.92	19.93
			For Work In Restricted Working Space, Add	*11.99*	
23 21 13 23-2142		EA	2-1/2" Copper 90 Degree Elbow, Grooved	177.42	24.33
			For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-2143		EA	3" Copper 90 Degree Elbow, Grooved	239.37	29.46
			For Work In Restricted Working Space, Add	*17.70*	
23 21 13 23-2144		EA	4" Copper 90 Degree Elbow, Grooved	491.88	38.88
			For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-2145		EA	5" Copper 90 Degree Elbow, Grooved	1,270.85	48.65
			For Work In Restricted Working Space, Add	*29.20*	
23 21 13 23-2146		EA	6" Copper 90 Degree Elbow, Grooved	2,000.10	63.69
			For Work In Restricted Working Space, Add	*38.20*	
23 21 13 23-2147		EA	8" Copper 90 Degree Elbow, Grooved	3,667.33	75.79
			For Work In Restricted Working Space, Add	*45.48*	
23 21 13 23-2148			**Grooved 45 Degree Elbows** *(23 21 13 23-2139)*		
23 21 13 23-2149		EA	2" Copper 45 Degree Elbow, Grooved	158.92	19.93
			For Work In Restricted Working Space, Add	*11.99*	
23 21 13 23-2150		EA	2-1/2" Copper 45 Degree Elbow, Grooved	177.42	24.33
			For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-2151		EA	3" Copper 45 Degree Elbow, Grooved	239.37	29.46
			For Work In Restricted Working Space, Add	*17.70*	
23 21 13 23-2152		EA	4" Copper 45 Degree Elbow, Grooved	491.88	38.88
			For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-2153		EA	5" Copper 45 Degree Elbow, Grooved	1,270.85	48.65
			For Work In Restricted Working Space, Add	*29.20*	
23 21 13 23-2154		EA	6" Copper 45 Degree Elbow, Grooved	2,000.10	63.69
			For Work In Restricted Working Space, Add	*38.20*	
23 21 13 23-2155		EA	8" Copper 45 Degree Elbow, Grooved	3,667.33	75.79
			For Work In Restricted Working Space, Add	*45.48*	
23 21 13 23-2156			**Grooved Tees** *(23 21 13 23-2139)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2157	EA	2" Copper Tee, Grooved	253.80	29.34
		For Work In Restricted Working Space, Add	*17.63*	
23 21 13 23-2158	EA	2-1/2" Copper Tee, Grooved	279.09	36.06
		For Work In Restricted Working Space, Add	*21.63*	
23 21 13 23-2159	EA	3" Copper Tee, Grooved	396.54	44.25
		For Work In Restricted Working Space, Add	*26.55*	
23 21 13 23-2160	EA	4" Copper Tee, Grooved	789.84	57.22
		For Work In Restricted Working Space, Add	*34.35*	
23 21 13 23-2161	EA	5" Copper Tee, Grooved	3,121.49	74.82
		For Work In Restricted Working Space, Add	*44.92*	
23 21 13 23-2162	EA	6" Copper Tee, Grooved	2,521.85	93.64
		For Work In Restricted Working Space, Add	*56.18*	
23 21 13 23-2163	EA	8" Copper Tee, Grooved	4,396.15	113.69
		For Work In Restricted Working Space, Add	*68.22*	

23 21 13 23-2164 Grooved Reducing Tees *(23 21 13 23-2139)*

23 21 13 23-2165	EA	2-1/2" Copper Tee, Reducing, Grooved	380.68	36.06
		For Work In Restricted Working Space, Add	*21.63*	
23 21 13 23-2166	EA	3" Copper Tee, Reducing, Grooved	612.24	44.25
		For Work In Restricted Working Space, Add	*26.55*	
23 21 13 23-2167	EA	4" Copper Tee, Reducing, Grooved	1,001.73	57.34
		For Work In Restricted Working Space, Add	*34.35*	
23 21 13 23-2168	EA	5" Copper Tee, Reducing, Grooved	2,857.57	74.94
		For Work In Restricted Working Space, Add	*44.92*	
23 21 13 23-2169	EA	6" Copper Tee, Reducing, Grooved	3,493.27	93.64
		For Work In Restricted Working Space, Add	*56.18*	

23 21 13 23-2170 Grooved X Cup Reducing Tees *(23 21 13 23-2139)*

23 21 13 23-2171	EA	2" Copper Tee, Reducing, Grooved X Cup	308.13	29.34
		For Work In Restricted Working Space, Add	*17.63*	
23 21 13 23-2172	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	381.79	36.06
		For Work In Restricted Working Space, Add	*21.63*	
23 21 13 23-2173	EA	3" Copper Tee, Reducing, Grooved X Cup	661.13	44.25
		For Work In Restricted Working Space, Add	*26.55*	
23 21 13 23-2174	EA	4" Copper Tee, Reducing, Grooved X Cup	1,001.73	57.22
		For Work In Restricted Working Space, Add	*34.35*	

23 21 13 23-2175 Grooved Flanged Adapter Nipples *(23 21 13 23-2139)*

23 21 13 23-2176	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	556.74	21.64
		For Work In Restricted Working Space, Add	*13.03*	
23 21 13 23-2177	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	587.15	26.29
		For Work In Restricted Working Space, Add	*15.79*	
23 21 13 23-2178	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	622.78	31.42
		For Work In Restricted Working Space, Add	*18.84*	
23 21 13 23-2179	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	698.53	42.30
		For Work In Restricted Working Space, Add	*25.39*	
23 21 13 23-2180	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	927.69	51.22
		For Work In Restricted Working Space, Add	*30.74*	
23 21 13 23-2181	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,036.38	69.19
		For Work In Restricted Working Space, Add	*41.52*	

23 21 13 23-2182 Grooved Concentric Reducers *(23 21 13 23-2139)*

23 21 13 23-2183	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	215.22	22.25
		For Work In Restricted Working Space, Add	*13.39*	
23 21 13 23-2184	EA	3" x 2" Copper Concentric Reducer, Grooved	220.11	24.82
		For Work In Restricted Working Space, Add	*14.85*	
23 21 13 23-2185	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	229.59	29.46
		For Work In Restricted Working Space, Add	*17.70*	
23 21 13 23-2186	EA	4" x 2" Copper Concentric Reducer, Grooved	408.12	29.71
		For Work In Restricted Working Space, Add	*17.79*	
23 21 13 23-2187	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	412.40	31.78
		For Work In Restricted Working Space, Add	*19.07*	
23 21 13 23-2188	EA	4" x 3" Copper Concentric Reducer, Grooved	417.29	34.23
		For Work In Restricted Working Space, Add	*20.54*	
23 21 13 23-2189	EA	5" x 3" Copper Concentric Reducer, Grooved	1,059.44	39.12
		For Work In Restricted Working Space, Add	*23.47*	
23 21 13 23-2190	EA	5" x 4" Copper Concentric Reducer, Grooved	1,069.22	44.01
		For Work In Restricted Working Space, Add	*26.41*	
23 21 13 23-2191	EA	6" x 3" Copper Concentric Reducer, Grooved	1,155.07	46.46
		For Work In Restricted Working Space, Add	*27.88*	
23 21 13 23-2192	EA	6" x 4" Copper Concentric Reducer, Grooved	1,164.85	51.35
		For Work In Restricted Working Space, Add	*30.81*	
23 21 13 23-2193	EA	6" x 5" Copper Concentric Reducer, Grooved	1,174.63	56.23
		For Work In Restricted Working Space, Add	*33.74*	
23 21 13 23-2194	EA	8" x 6" Copper Concentric Reducer, Grooved	2,003.44	69.69
		For Work In Restricted Working Space, Add	*41.81*	

23 21 13 23-2195 Grooved X Cup Concentric Reducers *(23 21 13 23-2139)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2196		EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	172.44	15.65
			For Work In Restricted Working Space, Add	*9.35*	
23 21 13 23-2197		EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	173.67	16.26
			For Work In Restricted Working Space, Add	*9.72*	
23 21 13 23-2198		EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	177.40	18.10
			For Work In Restricted Working Space, Add	*10.84*	
23 21 13 23-2199		EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	207.70	17.48
			For Work In Restricted Working Space, Add	*10.48*	
23 21 13 23-2200		EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	208.91	18.10
			For Work In Restricted Working Space, Add	*10.84*	
23 21 13 23-2201		EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	212.50	19.93
			For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2202		EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	217.40	22.25
			For Work In Restricted Working Space, Add	*13.39*	
23 21 13 23-2203		EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	259.21	22.25
			For Work In Restricted Working Space, Add	*13.39*	
23 21 13 23-2204		EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	264.10	24.82
			For Work In Restricted Working Space, Add	*14.85*	
23 21 13 23-2205		EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	457.56	29.58
			For Work In Restricted Working Space, Add	*17.79*	
23 21 13 23-2206			**Grooved Standard Couplings** *(23 21 13 23-2139)*		
23 21 13 23-2207		EA	2" Copper Standard Coupling, Grooved	61.00	10.02
			For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2208		EA	2-1/2" Copper Standard Coupling, Grooved	71.36	12.23
			For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2209		EA	3" Copper Standard Coupling, Grooved	80.81	14.54
			For Work In Restricted Working Space, Add	*8.72*	
23 21 13 23-2210		EA	4" Copper Standard Coupling, Grooved	118.14	19.56
			For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2211		EA	5" Copper Standard Coupling, Grooved	183.41	24.33
			For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-2212		EA	6" Copper Standard Coupling, Grooved	241.65	31.78
			For Work In Restricted Working Space, Add	*19.10*	
23 21 13 23-2213		EA	8" Copper Standard Coupling, Grooved	352.87	37.89
			For Work In Restricted Working Space, Add	*22.74*	
23 21 13 23-2214			**Grooved Caps** *(23 21 13 23-2139)*		
23 21 13 23-2215		EA	2" Copper Cap, Grooved	102.00	10.02
			For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2216		EA	2-1/2" Copper Cap, Grooved	146.05	12.23
			For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2217		EA	3" Copper Cap, Grooved	180.09	14.54
			For Work In Restricted Working Space, Add	*8.72*	
23 21 13 23-2218		EA	4" Copper Cap, Grooved	265.49	19.43
			For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-2219		EA	5" Copper Cap, Grooved	450.36	24.33
			For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-2220		EA	6" Copper Cap, Grooved	526.02	31.78
			For Work In Restricted Working Space, Add	*19.10*	
23 21 13 23-2221			**Grooved Valves** *(23 21 13 23-2138)*		
23 21 13 23-2222			**Grooved Butterfly Valves, Standard Trim, Without Operator** *(23 21 13 23-2221)*		
			Note: Copper body.		
23 21 13 23-2223		EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	481.79	13.08
			For Work In Restricted Working Space, Add	*7.89*	
			For Chain Wheel, Add	*43.45*	
			For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2224		EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	549.12	19.43
			For Work In Restricted Working Space, Add	*11.68*	
			For Chain Wheel, Add	*43.45*	
			For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2225		EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	725.85	25.55
			For Work In Restricted Working Space, Add	*15.37*	
			For Chain Wheel, Add	*43.45*	
			For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2226		EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	970.51	41.93
			For Work In Restricted Working Space, Add	*25.13*	
			For Chain Wheel, Add	*43.45*	
			For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2227		EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,073.12	58.93
			For Work In Restricted Working Space, Add	*35.37*	
			For Chain Wheel, Add	*43.45*	
			For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2228			**Grooved Butterfly Valves, Standard Trim, With Operator** *(23 21 13 23-2221)*		
			Note: Copper body.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2229	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	587.85	13.08
		For Work In Restricted Working Space, Add	*7.89*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2230	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	655.25	19.43
		For Work In Restricted Working Space, Add	*11.68*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2231	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	831.98	25.55
		For Work In Restricted Working Space, Add	*15.37*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2232	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,076.71	41.93
		For Work In Restricted Working Space, Add	*25.13*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2233	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,179.25	58.93
		For Work In Restricted Working Space, Add	*35.37*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2234 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

23 21 13 23-2235 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2234)*

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-2236 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2235)*

23 21 13 23-2237	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.67	3.49
		For Work In Restricted Working Space, Add	*1.57*	
23 21 13 23-2238	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.10	4.37
		For Work In Restricted Working Space, Add	*1.97*	
23 21 13 23-2239	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.78	4.66
		For Work In Restricted Working Space, Add	*2.09*	
23 21 13 23-2240	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.56	5.01
		For Work In Restricted Working Space, Add	*2.26*	
23 21 13 23-2241	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.84	5.10
		For Work In Restricted Working Space, Add	*2.29*	
23 21 13 23-2242	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.79	6.10
		For Work In Restricted Working Space, Add	*2.75*	
23 21 13 23-2243	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	13.45	7.25
		For Work In Restricted Working Space, Add	*3.26*	
23 21 13 23-2244	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	16.49	8.77
		For Work In Restricted Working Space, Add	*3.94*	
23 21 13 23-2245	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	24.54	13.14
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2246	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	34.70	17.53
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2247	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	44.12	20.89
		For Work In Restricted Working Space, Add	*9.41*	
23 21 13 23-2248	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	74.06	23.34
		For Work In Restricted Working Space, Add	*10.49*	

23 21 13 23-2249 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2235)*

23 21 13 23-2250	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.59	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2251	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	27.51	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2252	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.78	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2253	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	50.15	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2254	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	56.29	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2255	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	72.80	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2256	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	118.21	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2257	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	153.19	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2258	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	196.59	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2259	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	279.48	116.50
		For Work In Restricted Working Space, Add	*52.39*	
23 21 13 23-2260	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	473.68	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2261	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	708.31	202.69
		For Work In Restricted Working Space, Add	*91.14*	

23 21 13 23-2262 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2235)*

23 21 13 23-2263	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.03	13.20
		For Work In Restricted Working Space, Add	*5.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2264	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	28.38	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2265	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	36.00	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2266	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	50.94	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2267	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	58.04	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2268	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	73.93	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2269	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	118.21	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2270	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	160.51	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2271	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	209.94	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2272	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	280.70	116.50
		For Work In Restricted Working Space, Add	*52.39*	
23 21 13 23-2273	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	458.94	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2274	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	708.31	202.69
		For Work In Restricted Working Space, Add	*91.14*	

23 21 13 23-2275 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2235)*

23 21 13 23-2276	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	33.65	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2277	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	40.56	26.29
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-2278	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	54.20	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2279	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	69.57	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2280	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	83.14	52.57
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-2281	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	103.99	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2282	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	149.26	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2283	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	179.76	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2284	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	252.58	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2285	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	427.57	175.30
		For Work In Restricted Working Space, Add	*78.87*	
23 21 13 23-2286	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	708.00	217.48
		For Work In Restricted Working Space, Add	*97.80*	
23 21 13 23-2287	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,982.02	324.94
		For Work In Restricted Working Space, Add	*146.16*	

23 21 13 23-2288 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2235)*

23 21 13 23-2289	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	42.39	27.14
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-2290	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	51.08	32.88
		For Work In Restricted Working Space, Add	*14.79*	
23 21 13 23-2291	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	68.45	43.40
		For Work In Restricted Working Space, Add	*19.51*	
23 21 13 23-2292	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	88.07	55.13
		For Work In Restricted Working Space, Add	*24.78*	
23 21 13 23-2293	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	105.29	65.77
		For Work In Restricted Working Space, Add	*29.58*	
23 21 13 23-2294	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	131.96	81.54
		For Work In Restricted Working Space, Add	*36.68*	
23 21 13 23-2295	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	193.12	107.34
		For Work In Restricted Working Space, Add	*48.26*	
23 21 13 23-2296	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	233.25	127.38
		For Work In Restricted Working Space, Add	*57.30*	
23 21 13 23-2297	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	331.25	169.93
		For Work In Restricted Working Space, Add	*76.40*	
23 21 13 23-2298	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	586.61	219.07
		For Work In Restricted Working Space, Add	*98.54*	
23 21 13 23-2299	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	1,006.11	271.64
		For Work In Restricted Working Space, Add	*122.18*	
23 21 13 23-2300	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,952.58	406.35
		For Work In Restricted Working Space, Add	*182.79*	

23 21 13 23-2301 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2235)*

23 21 13 23-2302	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	21.23	13.45
		For Work In Restricted Working Space, Add	*6.14*	
23 21 13 23-2303	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	27.84	17.24
		For Work In Restricted Working Space, Add	*7.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2304	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	37.16	23.11
		For Work In Restricted Working Space, Add	*10.49*	
23 21 13 23-2305	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	45.89	28.72
		For Work In Restricted Working Space, Add	*13.09*	
23 21 13 23-2306	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	56.34	34.59
		For Work In Restricted Working Space, Add	*15.75*	
23 21 13 23-2307	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	78.94	48.05
		For Work In Restricted Working Space, Add	*21.85*	
23 21 13 23-2308	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	109.82	66.38
		For Work In Restricted Working Space, Add	*30.20*	
23 21 13 23-2309	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	145.78	82.52
		For Work In Restricted Working Space, Add	*37.53*	
23 21 13 23-2310	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	196.90	96.08
		For Work In Restricted Working Space, Add	*43.66*	
23 21 13 23-2311	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	463.55	111.00
		For Work In Restricted Working Space, Add	*50.45*	
23 21 13 23-2312	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	553.46	148.90
		For Work In Restricted Working Space, Add	*67.67*	

23 21 13 23-2313 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2235)*

23 21 13 23-2314	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.55	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2315	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	28.12	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2316	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	34.87	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2317	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	49.63	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2318	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	56.03	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2319	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	71.57	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2320	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	105.74	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2321	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	137.84	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2322	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	173.48	101.95
		For Work In Restricted Working Space, Add	*45.84*	

23 21 13 23-2323 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2235)*

23 21 13 23-2324	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	22.16	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2325	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	28.73	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2326	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	36.09	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2327	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	50.33	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2328	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	57.60	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2329	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	72.97	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2330	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	107.31	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2331	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	142.64	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2332	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	170.69	101.95
		For Work In Restricted Working Space, Add	*45.84*	

23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2235)*

23 21 13 23-2334	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.59	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2335	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	27.42	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2336	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.91	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2337	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	48.23	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2338	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	54.46	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2339	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	69.39	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2340	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	112.19	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2341	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	148.04	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2342	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	184.81	101.95
		For Work In Restricted Working Space, Add	*45.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2343		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2235)*		
23 21 13 23-2344	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	33.26	17.97
		For Work In Restricted Working Space, Add	*8.07*	
23 21 13 23-2345		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2235)*		
23 21 13 23-2346	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	20.24	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2347	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	26.99	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2348	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	33.91	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2349	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	47.88	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2350	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	53.94	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2351	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	69.04	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2352	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	104.43	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2353	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	139.06	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2354	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	167.90	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2355	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	222.43	116.50
		For Work In Restricted Working Space, Add	*52.39*	
23 21 13 23-2356	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	293.05	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2357	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	628.31	145.72
		For Work In Restricted Working Space, Add	*65.52*	
23 21 13 23-2358		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2235)*		
23 21 13 23-2359	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	39.66	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	54.17	26.29
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-2361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	68.50	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2362	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	106.20	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2363	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	120.73	52.57
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-2364	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	154.23	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2365	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	231.07	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2366	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	261.31	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2367	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	418.90	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2368	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	551.21	175.30
		For Work In Restricted Working Space, Add	*78.84*	
23 21 13 23-2369	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	801.67	217.36
		For Work In Restricted Working Space, Add	*97.75*	
23 21 13 23-2370	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,188.91	269.81
		For Work In Restricted Working Space, Add	*121.37*	
23 21 13 23-2371		**Schedule 40 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2235)*		
23 21 13 23-2372	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	9.70	5.95
		For Work In Restricted Working Space, Add	*2.70*	
23 21 13 23-2373	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	12.71	7.82
		For Work In Restricted Working Space, Add	*3.55*	
23 21 13 23-2374	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	16.07	9.66
		For Work In Restricted Working Space, Add	*4.40*	
23 21 13 23-2375	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	22.97	13.88
		For Work In Restricted Working Space, Add	*6.32*	
23 21 13 23-2376	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	25.50	15.40
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2377	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	32.26	19.69
		For Work In Restricted Working Space, Add	*8.92*	
23 21 13 23-2378	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	52.30	29.10
		For Work In Restricted Working Space, Add	*13.20*	
23 21 13 23-2379	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	66.89	38.26
		For Work In Restricted Working Space, Add	*17.37*	
23 21 13 23-2380	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	89.34	45.35
		For Work In Restricted Working Space, Add	*20.63*	
23 21 13 23-2381	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	127.87	51.83
		For Work In Restricted Working Space, Add	*23.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2382	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	256.53	60.52
		For Work In Restricted Working Space, Add	*27.51*	
23 21 13 23-2383	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	746.63	90.22
		For Work In Restricted Working Space, Add	*41.01*	

23 21 13 23-2384 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2235)*

23 21 13 23-2385	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	50.13	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2386	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	66.29	26.29
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-2387	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	81.93	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2388	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	96.87	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2389	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	110.35	52.57
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-2390	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	139.66	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2391	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	193.31	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2392	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	224.15	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2393	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	294.09	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2394	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	404.86	175.30
		For Work In Restricted Working Space, Add	*78.84*	
23 21 13 23-2395	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	646.34	217.36
		For Work In Restricted Working Space, Add	*97.75*	
23 21 13 23-2396	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,126.34	269.43
		For Work In Restricted Working Space, Add	*121.18*	

23 21 13 23-2397 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2234)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2398 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2397)*

23 21 13 23-2399	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.79	3.54
		For Work In Restricted Working Space, Add	*1.57*	
23 21 13 23-2400	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.26	4.40
		For Work In Restricted Working Space, Add	*1.97*	
23 21 13 23-2401	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.90	5.25
		For Work In Restricted Working Space, Add	*2.36*	
23 21 13 23-2402	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.60	6.11
		For Work In Restricted Working Space, Add	*2.76*	
23 21 13 23-2403	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.19	6.96
		For Work In Restricted Working Space, Add	*3.15*	
23 21 13 23-2404	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.60	8.81
		For Work In Restricted Working Space, Add	*3.94*	
23 21 13 23-2405	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	18.11	9.66
		For Work In Restricted Working Space, Add	*4.34*	
23 21 13 23-2406	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	20.62	10.52
		For Work In Restricted Working Space, Add	*4.73*	
23 21 13 23-2407	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	26.84	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2408	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	39.82	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2409	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	51.97	20.90
		For Work In Restricted Working Space, Add	*9.41*	
23 21 13 23-2410	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	97.29	22.49
		For Work In Restricted Working Space, Add	*10.13*	

23 21 13 23-2411 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2397)*

23 21 13 23-2412	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.86	13.20
		For Work In Restricted Working Space, Add	*5.92*	
		For Threaded Fittings, Add	*2.96*	
23 21 13 23-2413	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.39	17.48
		For Work In Restricted Working Space, Add	*7.89*	
		For Threaded Fittings, Add	*3.94*	
23 21 13 23-2414	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	39.23	21.76
		For Work In Restricted Working Space, Add	*9.78*	
		For Threaded Fittings, Add	*4.89*	
23 21 13 23-2415	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	54.95	30.81
		For Work In Restricted Working Space, Add	*13.84*	
		For Threaded Fittings, Add	*6.92*	
23 21 13 23-2416	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	61.44	34.72
		For Work In Restricted Working Space, Add	*15.61*	
		For Threaded Fittings, Add	*7.80*	
23 21 13 23-2417	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	77.51	44.13
		For Work In Restricted Working Space, Add	*19.82*	
		For Threaded Fittings, Add	*9.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2418	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	124.58	65.28
		For Work In Restricted Working Space, Add	*29.34*	
		For Threaded Fittings, Add	*14.67*	
23 21 13 23-2419	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	158.77	85.82
		For Work In Restricted Working Space, Add	*38.60*	
		For Threaded Fittings, Add	*19.30*	
23 21 13 23-2420	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	198.51	101.95
		For Work In Restricted Working Space, Add	*45.84*	
		For Threaded Fittings, Add	*22.92*	
23 21 13 23-2421	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	339.74	116.50
		For Work In Restricted Working Space, Add	*52.39*	
		For Threaded Fittings, Add	*26.20*	
23 21 13 23-2422	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	562.64	135.94
		For Work In Restricted Working Space, Add	*61.12*	
		For Threaded Fittings, Add	*30.56*	
23 21 13 23-2423	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	708.31	202.69
		For Work In Restricted Working Space, Add	*91.14*	
		For Threaded Fittings, Add	*45.57*	

23 21 13 23-2424 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2397)*

23 21 13 23-2425	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	25.74	13.20
		For Work In Restricted Working Space, Add	*5.92*	
		For Threaded Fittings, Add	*2.96*	
23 21 13 23-2426	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	35.45	17.48
		For Work In Restricted Working Space, Add	*7.89*	
		For Threaded Fittings, Add	*3.94*	
23 21 13 23-2427	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	46.38	21.76
		For Work In Restricted Working Space, Add	*9.78*	
		For Threaded Fittings, Add	*4.89*	
23 21 13 23-2428	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	63.76	30.81
		For Work In Restricted Working Space, Add	*13.84*	
		For Threaded Fittings, Add	*6.92*	
23 21 13 23-2429	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	72.78	34.72
		For Work In Restricted Working Space, Add	*15.61*	
		For Threaded Fittings, Add	*7.80*	
23 21 13 23-2430	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	93.03	44.13
		For Work In Restricted Working Space, Add	*19.82*	
		For Threaded Fittings, Add	*9.91*	
23 21 13 23-2431	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	154.50	65.28
		For Work In Restricted Working Space, Add	*29.34*	
		For Threaded Fittings, Add	*14.67*	
23 21 13 23-2432	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	197.67	85.82
		For Work In Restricted Working Space, Add	*38.60*	
		For Threaded Fittings, Add	*19.30*	
23 21 13 23-2433	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	277.10	101.95
		For Work In Restricted Working Space, Add	*45.84*	
		For Threaded Fittings, Add	*22.92*	
23 21 13 23-2434	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	331.12	116.50
		For Work In Restricted Working Space, Add	*52.39*	
		For Threaded Fittings, Add	*26.20*	
23 21 13 23-2435	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	543.04	135.94
		For Work In Restricted Working Space, Add	*61.12*	
		For Threaded Fittings, Add	*30.56*	
23 21 13 23-2436	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	686.27	202.69
		For Work In Restricted Working Space, Add	*91.14*	
		For Threaded Fittings, Add	*45.57*	

23 21 13 23-2437 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2397)*

23 21 13 23-2438	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	39.93	20.66
		For Work In Restricted Working Space, Add	*9.29*	
		For Threaded Fittings, Add	*4.64*	
23 21 13 23-2439	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	48.85	26.29
		For Work In Restricted Working Space, Add	*11.83*	
		For Threaded Fittings, Add	*5.91*	
23 21 13 23-2440	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	63.80	34.72
		For Work In Restricted Working Space, Add	*15.61*	
		For Threaded Fittings, Add	*7.80*	
23 21 13 23-2441	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	98.62	44.13
		For Work In Restricted Working Space, Add	*19.82*	
		For Threaded Fittings, Add	*9.91*	
23 21 13 23-2442	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	111.41	52.57
		For Work In Restricted Working Space, Add	*23.66*	
		For Threaded Fittings, Add	*11.83*	
23 21 13 23-2443	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	138.53	65.28
		For Work In Restricted Working Space, Add	*29.34*	
		For Threaded Fittings, Add	*14.67*	
23 21 13 23-2444	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	172.99	85.82
		For Work In Restricted Working Space, Add	*38.60*	
		For Threaded Fittings, Add	*19.30*	
23 21 13 23-2445	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	208.11	101.95
		For Work In Restricted Working Space, Add	*45.84*	
		For Threaded Fittings, Add	*22.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2446	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	267.85	135.94
		For Work In Restricted Working Space, Add	*61.12*	
		For Threaded Fittings, Add	*30.56*	
23 21 13 23-2447	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	481.92	175.30
		For Work In Restricted Working Space, Add	*78.87*	
		For Threaded Fittings, Add	*39.44*	
23 21 13 23-2448	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	833.98	217.48
		For Work In Restricted Working Space, Add	*97.80*	
		For Threaded Fittings, Add	*48.90*	
23 21 13 23-2449	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,982.12	324.94
		For Work In Restricted Working Space, Add	*146.16*	
		For Threaded Fittings, Add	*73.08*	

23 21 13 23-2450 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2397)*

23 21 13 23-2451	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	52.77	25.79
		For Work In Restricted Working Space, Add	*11.61*	
		For Threaded Fittings, Add	*5.80*	
23 21 13 23-2452	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	64.06	32.88
		For Work In Restricted Working Space, Add	*14.79*	
		For Threaded Fittings, Add	*7.40*	
23 21 13 23-2453	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	83.48	43.40
		For Work In Restricted Working Space, Add	*19.51*	
		For Threaded Fittings, Add	*9.75*	
23 21 13 23-2454	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	133.60	55.13
		For Work In Restricted Working Space, Add	*24.78*	
		For Threaded Fittings, Add	*12.39*	
23 21 13 23-2455	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	149.59	65.77
		For Work In Restricted Working Space, Add	*29.58*	
		For Threaded Fittings, Add	*14.79*	
23 21 13 23-2456	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	186.10	81.54
		For Work In Restricted Working Space, Add	*36.68*	
		For Threaded Fittings, Add	*18.34*	
23 21 13 23-2457	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	230.32	107.34
		For Work In Restricted Working Space, Add	*48.26*	
		For Threaded Fittings, Add	*24.13*	
23 21 13 23-2458	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	277.70	127.38
		For Work In Restricted Working Space, Add	*57.30*	
		For Threaded Fittings, Add	*28.65*	
23 21 13 23-2459	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	355.18	169.93
		For Work In Restricted Working Space, Add	*76.40*	
		For Threaded Fittings, Add	*38.20*	
23 21 13 23-2460	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	671.82	219.07
		For Work In Restricted Working Space, Add	*98.54*	
		For Threaded Fittings, Add	*49.27*	
23 21 13 23-2461	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,203.60	271.64
		For Work In Restricted Working Space, Add	*122.18*	
		For Threaded Fittings, Add	*61.09*	
23 21 13 23-2462	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,952.74	406.35
		For Work In Restricted Working Space, Add	*182.79*	
		For Threaded Fittings, Add	*91.39*	

23 21 13 23-2463 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2397)*

23 21 13 23-2464	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	28.12	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2465	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	37.92	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2466	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	54.51	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2467	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	63.44	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2468	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	82.39	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2469	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	126.06	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2470	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	173.60	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2471	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	215.08	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2472	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	243.71	116.50
		For Work In Restricted Working Space, Add	*52.39*	
23 21 13 23-2473	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	357.06	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2474	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	564.62	157.82
		For Work In Restricted Working Space, Add	*71.01*	

23 21 13 23-2475 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2397)*

23 21 13 23-2476	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	20.33	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2477	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	29.69	17.48
		For Work In Restricted Working Space, Add	*7.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2478	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	37.92	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2479	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	56.95	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2480	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	65.63	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2481	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	82.74	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2482	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	133.03	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2483	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	193.92	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2484	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	253.11	101.95
		For Work In Restricted Working Space, Add	*45.84*	

23 21 13 23-2485 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2397)*

23 21 13 23-2486	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	27.13	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2487	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	34.49	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2488	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	46.90	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2489	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	62.89	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2490	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	76.09	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2491	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	97.48	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2492	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	133.56	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2493	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	168.36	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2494	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	223.37	101.95
		For Work In Restricted Working Space, Add	*45.84*	

23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2397)*

23 21 13 23-2496	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	25.13	13.20
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2497	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	34.31	17.48
		For Work In Restricted Working Space, Add	*7.89*	
23 21 13 23-2498	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	44.46	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2499	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	65.41	30.81
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-2500	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	75.66	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2501	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	107.25	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2502	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	162.86	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	201.94	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	278.75	101.95
		For Work In Restricted Working Space, Add	*45.84*	

23 21 13 23-2505 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2397)*

23 21 13 23-2506	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	25.48	13.20
		For Work In Restricted Working Space, Add	*5.92*	
		For Threaded Fittings, Add	*2.96*	
23 21 13 23-2507	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	34.05	17.48
		For Work In Restricted Working Space, Add	*7.89*	
		For Threaded Fittings, Add	*3.94*	
23 21 13 23-2508	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	40.62	21.76
		For Work In Restricted Working Space, Add	*9.78*	
		For Threaded Fittings, Add	*4.89*	
23 21 13 23-2509	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	58.44	30.81
		For Work In Restricted Working Space, Add	*13.84*	
		For Threaded Fittings, Add	*6.92*	
23 21 13 23-2510	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	65.28	34.72
		For Work In Restricted Working Space, Add	*15.61*	
		For Threaded Fittings, Add	*7.80*	
23 21 13 23-2511	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	80.21	44.13
		For Work In Restricted Working Space, Add	*19.82*	
		For Threaded Fittings, Add	*9.91*	
23 21 13 23-2512	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	132.77	65.28
		For Work In Restricted Working Space, Add	*29.34*	
		For Threaded Fittings, Add	*14.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2513	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	168.89	85.82
		For Work In Restricted Working Space, Add	*38.60*	
		For Threaded Fittings, Add	*19.30*	
23 21 13 23-2514	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	203.22	101.95
		For Work In Restricted Working Space, Add	*45.84*	
		For Threaded Fittings, Add	*22.92*	
23 21 13 23-2515	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	283.05	116.50
		For Work In Restricted Working Space, Add	*52.39*	
		For Threaded Fittings, Add	*26.20*	
23 21 13 23-2516	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	351.31	135.94
		For Work In Restricted Working Space, Add	*61.12*	
		For Threaded Fittings, Add	*30.56*	
23 21 13 23-2517	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	654.48	145.72
		For Work In Restricted Working Space, Add	*65.52*	
		For Threaded Fittings, Add	*32.76*	

23 21 13 23-2518 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2397)*

23 21 13 23-2519	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	45.51	21.76
		For Work In Restricted Working Space, Add	*9.78*	
23 21 13 23-2520	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	54.34	26.29
		For Work In Restricted Working Space, Add	*11.83*	
23 21 13 23-2521	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	69.03	34.72
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2522	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	108.64	44.13
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-2523	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	133.64	52.57
		For Work In Restricted Working Space, Add	*23.66*	
23 21 13 23-2524	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	172.02	65.28
		For Work In Restricted Working Space, Add	*29.34*	
23 21 13 23-2525	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	266.88	85.82
		For Work In Restricted Working Space, Add	*38.60*	
23 21 13 23-2526	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	330.94	101.95
		For Work In Restricted Working Space, Add	*45.84*	
23 21 13 23-2527	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	419.42	135.94
		For Work In Restricted Working Space, Add	*61.12*	
23 21 13 23-2528	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	551.21	175.30
		For Work In Restricted Working Space, Add	*78.84*	
23 21 13 23-2529	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	801.67	217.36
		For Work In Restricted Working Space, Add	*97.75*	
23 21 13 23-2530	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,188.27	269.43
		For Work In Restricted Working Space, Add	*121.18*	

23 21 13 23-2531 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2397)*

23 21 13 23-2532	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	48.43	27.16
23 21 13 23-2533	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	57.83	31.42
23 21 13 23-2534	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	70.04	37.04
23 21 13 23-2535	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	93.58	44.13
23 21 13 23-2536	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	112.77	52.57
23 21 13 23-2537	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	149.57	65.28
23 21 13 23-2538	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	320.84	126.53
23 21 13 23-2539	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	347.96	140.34

23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2397)*

23 21 13 23-2541	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	16.99	5.87
		For Work In Restricted Working Space, Add	*2.66*	
		For Threaded Fittings, Add	*1.33*	
23 21 13 23-2542	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	20.39	7.82
		For Work In Restricted Working Space, Add	*3.55*	
		For Threaded Fittings, Add	*1.78*	
23 21 13 23-2543	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	29.84	9.66
		For Work In Restricted Working Space, Add	*4.40*	
		For Threaded Fittings, Add	*2.20*	
23 21 13 23-2544	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	39.07	13.69
		For Work In Restricted Working Space, Add	*6.23*	
		For Threaded Fittings, Add	*3.11*	
23 21 13 23-2545	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	41.73	15.40
		For Work In Restricted Working Space, Add	*7.02*	
		For Threaded Fittings, Add	*3.51*	
23 21 13 23-2546	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	57.20	19.69
		For Work In Restricted Working Space, Add	*8.92*	
		For Threaded Fittings, Add	*4.46*	
23 21 13 23-2547	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	100.44	29.10
		For Work In Restricted Working Space, Add	*13.20*	
		For Threaded Fittings, Add	*6.60*	
23 21 13 23-2548	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	126.90	38.26
		For Work In Restricted Working Space, Add	*17.37*	
		For Threaded Fittings, Add	*8.69*	
23 21 13 23-2549	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	179.70	45.35
		For Work In Restricted Working Space, Add	*20.63*	
		For Threaded Fittings, Add	*10.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2550	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	354.20	51.83
		For Work In Restricted Working Space, Add	*23.58*	
		For Threaded Fittings, Add	*11.79*	
23 21 13 23-2551	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	470.30	60.52
		For Work In Restricted Working Space, Add	*27.51*	
		For Threaded Fittings, Add	*13.75*	
23 21 13 23-2552	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	833.84	90.22
		For Work In Restricted Working Space, Add	*41.01*	
		For Threaded Fittings, Add	*20.51*	

23 21 13 23-2553 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2397)*

23 21 13 23-2554	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	57.63	21.76
		For Work In Restricted Working Space, Add	*9.78*	
		For Threaded Fittings, Add	*4.89*	
23 21 13 23-2555	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	66.29	26.29
		For Work In Restricted Working Space, Add	*11.83*	
		For Threaded Fittings, Add	*5.91*	
23 21 13 23-2556	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	81.94	34.72
		For Work In Restricted Working Space, Add	*15.61*	
		For Threaded Fittings, Add	*7.80*	
23 21 13 23-2557	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	96.87	44.13
		For Work In Restricted Working Space, Add	*19.82*	
		For Threaded Fittings, Add	*9.91*	
23 21 13 23-2558	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	110.36	52.57
		For Work In Restricted Working Space, Add	*23.66*	
		For Threaded Fittings, Add	*11.83*	
23 21 13 23-2559	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	139.66	65.28
		For Work In Restricted Working Space, Add	*29.34*	
		For Threaded Fittings, Add	*14.67*	
23 21 13 23-2560	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	193.31	85.82
		For Work In Restricted Working Space, Add	*38.60*	
		For Threaded Fittings, Add	*19.30*	
23 21 13 23-2561	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	224.15	101.95
		For Work In Restricted Working Space, Add	*45.84*	
		For Threaded Fittings, Add	*22.92*	
23 21 13 23-2562	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	294.10	135.94
		For Work In Restricted Working Space, Add	*61.12*	
		For Threaded Fittings, Add	*30.56*	
23 21 13 23-2563	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	404.87	175.30
		For Work In Restricted Working Space, Add	*78.84*	
		For Threaded Fittings, Add	*39.42*	
23 21 13 23-2564	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	646.34	217.36
		For Work In Restricted Working Space, Add	*97.75*	
		For Threaded Fittings, Add	*48.87*	
23 21 13 23-2565	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,126.34	269.43
		For Work In Restricted Working Space, Add	*121.18*	
		For Threaded Fittings, Add	*60.59*	

23 21 13 23-2566 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2234)*

Note: In place pipe.

23 21 13 23-2567	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.64	
		For Work In Restricted Working Space, Add	*1.99*	
23 21 13 23-2568	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.17	
		For Work In Restricted Working Space, Add	*2.15*	
23 21 13 23-2569	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.07	
		For Work In Restricted Working Space, Add	*2.42*	
23 21 13 23-2570	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.46	
		For Work In Restricted Working Space, Add	*2.54*	
23 21 13 23-2571	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.96	
		For Work In Restricted Working Space, Add	*2.69*	
23 21 13 23-2572	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.86	
		For Work In Restricted Working Space, Add	*2.96*	
23 21 13 23-2573	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.62	
		For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-2574	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	12.55	
		For Work In Restricted Working Space, Add	*3.77*	
23 21 13 23-2575	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	16.93	
		For Work In Restricted Working Space, Add	*5.08*	
23 21 13 23-2576	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	24.19	
		For Work In Restricted Working Space, Add	*7.26*	
23 21 13 23-2577	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	32.26	
		For Work In Restricted Working Space, Add	*9.68*	
23 21 13 23-2578	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	39.44	
		For Work In Restricted Working Space, Add	*11.83*	

23 21 13 23-2579 Polyethylene Pipe And Fittings *(23 21 13 23)*

23 21 13 23-2580 Small Diameter Tubing *(23 21 13 23-2579)*

23 21 13 23-2581 Tubing *(23 21 13 23-2580)*

23 21 13 23-2582	LF	1/4" Polyethylene Tubing	3.92	
		For Work In Restricted Working Space, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2583	LF	5/16" Polyethylene Tubing	4.19	
		For Work In Restricted Working Space, Add	*1.13*	
23 21 13 23-2584	LF	3/8" Polyethylene Tubing	4.40	
		For Work In Restricted Working Space, Add	*1.15*	
23 21 13 23-2585	LF	1/2" Polyethylene Tubing	4.57	
		For Work In Restricted Working Space, Add	*1.25*	
23 21 13 23-2586		**Chrome Plated Pipe** *(23 21 13 23)*		
23 21 13 23-2587		**Chrome Plated Nipples** *(23 21 13 23-2586)*		
23 21 13 23-2588		**Close** *(23 21 13 23-2587)*		
23 21 13 23-2589	EA	1/4" Diameter Chrome Plated Nipple, Close	22.80	10.62
23 21 13 23-2590	EA	3/8" Diameter Chrome Plated Nipple, Close	22.08	11.55
23 21 13 23-2591	EA	1/2" Diameter Chrome Plated Nipple, Close	27.23	13.28
23 21 13 23-2592	EA	3/4" Diameter Chrome Plated Nipple, Close	35.60	16.86
23 21 13 23-2593	EA	1" Diameter Chrome Plated Nipple, Close	47.59	22.17
23 21 13 23-2594	EA	1-1/4" Diameter Chrome Plated Nipple, Close	67.33	30.93
23 21 13 23-2595	EA	1-1/2" Diameter Chrome Plated Nipple, Close	81.85	36.25
23 21 13 23-2596	EA	2" Diameter Chrome Plated Nipple, Close	105.15	45.14
23 21 13 23-2597		**1-1/2" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2598	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	24.29	11.02
23 21 13 23-2599	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	23.27	11.95
23 21 13 23-2600	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	27.93	13.67
23 21 13 23-2601	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	36.83	17.26
23 21 13 23-2602		**2" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2603	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	25.26	11.55
23 21 13 23-2604	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	24.09	12.34
23 21 13 23-2605	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	29.97	14.20
23 21 13 23-2606	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	38.57	17.66
23 21 13 23-2607	EA	1" Diameter, 2" Length, Chrome Plated Nipple	50.26	22.97
23 21 13 23-2608	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	71.58	31.86
23 21 13 23-2609	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	86.73	37.17
23 21 13 23-2610		**2-1/2" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2611	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	26.67	11.95
23 21 13 23-2612	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	24.97	12.88
23 21 13 23-2613	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	31.22	14.61
23 21 13 23-2614	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	39.50	18.19
23 21 13 23-2615	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	51.65	23.50
23 21 13 23-2616	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	75.58	32.26
23 21 13 23-2617	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	92.03	37.57
23 21 13 23-2618	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	116.79	46.47
23 21 13 23-2619		**3" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2620	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	27.77	12.34
23 21 13 23-2621	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	26.38	13.28
23 21 13 23-2622	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	30.77	14.20
23 21 13 23-2623	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	42.44	18.59
23 21 13 23-2624	EA	1" Diameter, 3" Length, Chrome Plated Nipple	57.55	23.90
23 21 13 23-2625	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	79.93	32.80
23 21 13 23-2626	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	104.41	38.11
23 21 13 23-2627	EA	2" Diameter, 3" Length, Chrome Plated Nipple	126.51	47.00
23 21 13 23-2628		**3-1/2" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2629	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	29.02	12.88
23 21 13 23-2630	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	28.74	13.67
23 21 13 23-2631	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	33.87	15.53
23 21 13 23-2632	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	46.74	18.98
23 21 13 23-2633	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	59.87	24.30
23 21 13 23-2634	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	88.39	33.19
23 21 13 23-2635	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	108.17	38.50
23 21 13 23-2636	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	134.26	47.40
23 21 13 23-2637		**4" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2638	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	30.24	13.28
23 21 13 23-2639	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	29.47	14.20
23 21 13 23-2640	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	34.07	15.00
23 21 13 23-2641	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	48.50	19.52
23 21 13 23-2642	EA	1" Diameter, 4" Length, Chrome Plated Nipple	62.10	24.83
23 21 13 23-2643	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	94.87	33.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2644	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	115.83	38.90
23 21 13 23-2645	EA	2" Diameter, 4" Length, Chrome Plated Nipple	143.69	47.80
23 21 13 23-2646		**4-1/2" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2647	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	31.35	13.67
23 21 13 23-2648	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	31.83	14.61
23 21 13 23-2649	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	37.34	16.33
23 21 13 23-2650	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	50.49	19.92
23 21 13 23-2651	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	69.58	25.23
23 21 13 23-2652	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	101.07	34.12
23 21 13 23-2653	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	119.29	39.44
23 21 13 23-2654	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	152.39	48.33
23 21 13 23-2655		**5" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2656	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	34.94	14.20
23 21 13 23-2657	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	33.34	15.00
23 21 13 23-2658	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	38.66	16.86
23 21 13 23-2659	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	52.42	20.31
23 21 13 23-2660	EA	1" Diameter, 5" Length, Chrome Plated Nipple	74.15	25.62
23 21 13 23-2661	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	106.72	34.52
23 21 13 23-2662	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	126.97	39.83
23 21 13 23-2663	EA	2" Diameter, 5" Length, Chrome Plated Nipple	158.03	48.73
23 21 13 23-2664		**5-1/2" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2665	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	36.07	14.61
23 21 13 23-2666	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	34.54	15.53
23 21 13 23-2667	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	42.23	17.26
23 21 13 23-2668	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	54.33	20.84
23 21 13 23-2669	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	76.58	26.16
23 21 13 23-2670	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	113.56	34.92
23 21 13 23-2671	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	133.11	40.23
23 21 13 23-2672	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	165.20	49.12
23 21 13 23-2673		**6" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2674	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	37.40	15.00
23 21 13 23-2675	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	35.25	15.94
23 21 13 23-2676	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	43.45	17.66
23 21 13 23-2677	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	55.90	21.25
23 21 13 23-2678	EA	1" Diameter, 6" Length, Chrome Plated Nipple	83.84	26.56
23 21 13 23-2679	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	117.78	35.45
23 21 13 23-2680	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	142.53	40.76
23 21 13 23-2681	EA	2" Diameter, 6" Length, Chrome Plated Nipple	171.79	49.66
23 21 13 23-2682		**8" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2683	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	41.76	16.86
23 21 13 23-2684	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	60.92	18.59
23 21 13 23-2685	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	74.01	22.17
23 21 13 23-2686	EA	1" Diameter, 8" Length, Chrome Plated Nipple	98.11	27.48
23 21 13 23-2687	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	140.37	36.25
23 21 13 23-2688	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	172.04	41.56
23 21 13 23-2689	EA	2" Diameter, 8" Length, Chrome Plated Nipple	211.88	50.45
23 21 13 23-2690		**10" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2691	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	47.85	16.86
23 21 13 23-2692	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	68.60	18.59
23 21 13 23-2693	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	82.89	22.17
23 21 13 23-2694	EA	1" Diameter, 10" Length, Chrome Plated Nipple	111.55	27.48
23 21 13 23-2695	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	169.14	36.25
23 21 13 23-2696	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	193.96	41.56
23 21 13 23-2697	EA	2" Diameter, 10" Length, Chrome Plated Nipple	246.91	50.45
23 21 13 23-2698		**12" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2699	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	53.37	18.59
23 21 13 23-2700	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	71.81	19.52
23 21 13 23-2701	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	91.38	22.97
23 21 13 23-2702	EA	1" Diameter, 12" Length, Chrome Plated Nipple	130.57	29.20
23 21 13 23-2703	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	189.43	38.11
23 21 13 23-2704	EA	2" Diameter, 12" Length, Chrome Plated Nipple	277.63	52.31
23 21 13 23-2705		**18" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2706	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	67.53	19.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2707		**24" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2708	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	81.08	20.31
23 21 13 23-2709		**30" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2710	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	89.76	21.25
23 21 13 23-2711		**36" Nipples** *(23 21 13 23-2587)*		
23 21 13 23-2712	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	98.46	22.17
23 21 13 23-2713		**Chrome Plated Fittings** *(23 21 13 23-2586)*		
23 21 13 23-2714		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2713)*		
23 21 13 23-2715	EA	1/4" 90 Degree Elbow, Chrome Plated	28.83	12.34
23 21 13 23-2716	EA	3/8" 90 Degree Elbow, Chrome Plated	29.50	13.28
23 21 13 23-2717	EA	1/2" 90 Degree Elbow, Chrome Plated	33.09	14.20
23 21 13 23-2718	EA	3/4" 90 Degree Elbow, Chrome Plated	42.29	18.59
23 21 13 23-2719	EA	1" 90 Degree Elbow, Chrome Plated	57.24	23.90
23 21 13 23-2720	EA	1-1/4" 90 Degree Elbow, Chrome Plated	87.47	32.80
23 21 13 23-2721	EA	1-1/2" 90 Degree Elbow, Chrome Plated	104.90	38.11
23 21 13 23-2722	EA	2" 90 Degree Elbow, Chrome Plated	142.88	47.00
23 21 13 23-2723		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2713)*		
23 21 13 23-2724	EA	1/4" Street 90 Degree Elbow, Chrome Plated	33.12	12.34
23 21 13 23-2725	EA	3/8" Street 90 Degree Elbow, Chrome Plated	34.21	13.28
23 21 13 23-2726	EA	1/2" Street 90 Degree Elbow, Chrome Plated	36.35	14.20
23 21 13 23-2727	EA	3/4" Street 90 Degree Elbow, Chrome Plated	47.12	18.59
23 21 13 23-2728	EA	1" Street 90 Degree Elbow, Chrome Plated	66.14	23.90
23 21 13 23-2729	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	96.60	32.80
23 21 13 23-2730	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	117.69	38.11
23 21 13 23-2731	EA	2" Street 90 Degree Elbow, Chrome Plated	172.97	47.00
23 21 13 23-2732		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2713)*		
23 21 13 23-2733	EA	1/4" 45 Degree Elbow, Chrome Plated	29.77	12.34
23 21 13 23-2734	EA	3/8" 45 Degree Elbow, Chrome Plated	30.86	13.28
23 21 13 23-2735	EA	1/2" 45 Degree Elbow, Chrome Plated	34.05	14.20
23 21 13 23-2736	EA	3/4" 45 Degree Elbow, Chrome Plated	45.98	18.59
23 21 13 23-2737	EA	1" 45 Degree Elbow, Chrome Plated	61.36	23.90
23 21 13 23-2738	EA	1-1/4" 45 Degree Elbow, Chrome Plated	92.43	32.80
23 21 13 23-2739	EA	1-1/2" 45 Degree Elbow, Chrome Plated	111.53	38.11
23 21 13 23-2740	EA	2" 45 Degree Elbow, Chrome Plated	161.08	47.00
23 21 13 23-2741		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2713)*		
23 21 13 23-2742	EA	1/2" Street 45 Degree Elbow, Chrome Plated	39.94	14.20
23 21 13 23-2743		**Chrome Plated Couplings** *(23 21 13 23-2713)*		
23 21 13 23-2744	EA	1/4" Coupling, Chrome Plated	28.25	12.34
23 21 13 23-2745	EA	3/8" Coupling, Chrome Plated	29.58	13.28
23 21 13 23-2746	EA	1/2" Coupling, Chrome Plated	33.32	14.20
23 21 13 23-2747	EA	3/4" Coupling, Chrome Plated	42.39	18.59
23 21 13 23-2748	EA	1" Coupling, Chrome Plated	55.20	23.90
23 21 13 23-2749	EA	1-1/4" Coupling, Chrome Plated	80.06	32.80
23 21 13 23-2750	EA	1-1/2" Coupling, Chrome Plated	98.69	38.11
23 21 13 23-2751	EA	2" Coupling, Chrome Plated	135.29	47.00
23 21 13 23-2752		**Chrome Plated Unions** *(23 21 13 23-2713)*		
23 21 13 23-2753	EA	1/4" Union, Chrome Plated	44.56	14.20
23 21 13 23-2754	EA	3/8" Union, Chrome Plated	45.91	15.00
23 21 13 23-2755	EA	1/2" Union, Chrome Plated	55.30	16.86
23 21 13 23-2756	EA	3/4" Union, Chrome Plated	68.75	22.17
23 21 13 23-2757	EA	1" Union, Chrome Plated	87.00	28.28
23 21 13 23-2758	EA	1-1/4" Union, Chrome Plated	139.99	38.11
23 21 13 23-2759	EA	1-1/2" Union, Chrome Plated	173.99	45.14
23 21 13 23-2760	EA	2" Union, Chrome Plated	226.50	54.97
23 21 13 23-2761		**Chrome Plated Caps** *(23 21 13 23-2713)*		
23 21 13 23-2762	EA	1/4" Cap, Chrome Plated	18.71	6.24
23 21 13 23-2763	EA	3/8" Cap, Chrome Plated	19.36	6.64
23 21 13 23-2764	EA	1/2" Cap, Chrome Plated	22.05	7.03

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23 21 13 23-2765	EA	3/4" Cap, Chrome Plated	27.56	9.30
23 21 13 23-2766	EA	1" Cap, Chrome Plated	32.89	11.95
23 21 13 23-2767	EA	1-1/4" Cap, Chrome Plated	48.37	16.33
23 21 13 23-2768	EA	1-1/2" Cap, Chrome Plated	63.38	18.98
23 21 13 23-2769	EA	2" Cap, Chrome Plated	92.26	24.83
23 21 13 23-2770		**Chrome Plated Plugs** *(23 21 13 23-2713)*		
23 21 13 23-2771	EA	1/4" Plug, Chrome Plated	15.44	6.24
23 21 13 23-2772	EA	3/8" Plug, Chrome Plated	16.09	6.64
23 21 13 23-2773	EA	1/2" Plug, Chrome Plated	18.60	7.03
23 21 13 23-2774	EA	3/4" Plug, Chrome Plated	25.11	9.30
23 21 13 23-2775	EA	1" Plug, Chrome Plated	31.02	11.95
23 21 13 23-2776	EA	1-1/4" Plug, Chrome Plated	41.92	16.33
23 21 13 23-2777	EA	1-1/2" Plug, Chrome Plated	51.56	18.98
23 21 13 23-2778	EA	2" Plug, Chrome Plated	71.71	24.83
23 21 13 23-2779		**Chrome Plated Tees** *(23 21 13 23-2713)*		
23 21 13 23-2780	EA	1/4" Chrome Plated Tee	40.23	18.59
23 21 13 23-2781	EA	3/8" Chrome Plated Tee	42.89	20.31
23 21 13 23-2782	EA	1/2" Chrome Plated Tee	47.72	22.17
23 21 13 23-2783	EA	3/4" Chrome Plated Tee	59.43	27.48
23 21 13 23-2784	EA	1" Chrome Plated Tee	84.02	35.45
23 21 13 23-2785	EA	1-1/4" Chrome Plated Tee	115.80	48.73
23 21 13 23-2786	EA	1-1/2" Chrome Plated Tee	147.50	56.69
23 21 13 23-2787	EA	2" Chrome Plated Tee	201.30	69.97
23 21 13 23-2788		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2713)*		
23 21 13 23-2789	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	45.54	22.17
23 21 13 23-2790	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	53.51	27.48
23 21 13 23-2791		**Chrome Plated Bell Reducers** *(23 21 13 23-2713)*		
23 21 13 23-2792	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	49.49	22.17
23 21 13 23-2793	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	60.32	27.48
23 21 13 23-2794	EA	1" x 1/2" Bell Reducer, Chrome Plated	76.71	35.45
23 21 13 23-2795		**Chrome Plated Reducing Tees** *(23 21 13 23-2713)*		
23 21 13 23-2796	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	65.35	27.48
23 21 13 23-2797		**Chrome Plated Bushings** *(23 21 13 23-2713)*		
23 21 13 23-2798	EA	3/8" x 1/4" Bushing, Chrome Plated	15.34	6.24
23 21 13 23-2799	EA	1/2" x 1/4" Bushing, Chrome Plated	16.50	6.64
23 21 13 23-2800	EA	1/2" x 3/8" Bushing, Chrome Plated	17.17	7.03
23 21 13 23-2801	EA	3/4" x 1/2" Bushing, Chrome Plated	21.86	9.30
23 21 13 23-2802	EA	1" x 3/4" Bushing, Chrome Plated	31.65	11.95
23 21 13 23-2803	EA	1-1/4" x 1" Bushing, Chrome Plated	46.16	16.33
23 21 13 23-2804		**Aluminum Tubing Assemblies** *(23 21 13 23)* Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2805	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.01	4.65
23 21 13 23-2806	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.67	5.31
23 21 13 23-2807	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.21	5.98
23 21 13 23-2808	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	16.61	6.64
23 21 13 23-2809	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	18.43	7.30
23 21 13 23-2810	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	21.26	7.97
23 21 13 23-2811	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	24.91	9.17
23 21 13 23-2812	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	30.87	10.39

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23 21 13 23-2813	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	35.86	11.61
23 21 13 23-2814	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	43.38	12.23

23 21 16 Hydronic Piping Specialties *(23 21)*

23 21 16 00-0001 Vent Valves *(23 21 16)*

23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	88.09	19.93
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	209.59	21.43
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	199.92	21.43
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	206.69	21.43
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	265.94	21.43
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	197.26	21.43

23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow *(23 21 16)*

23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*

23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	263.20	33.50
		For Flanged Inlet, Add	*88.75*	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	300.20	39.70
		For Flanged Inlet, Add	*95.27*	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	374.19	45.90
		For Flanged Inlet, Add	*128.53*	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	542.85	52.11
		For Flanged Inlet, Add	*226.15*	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	615.77	62.03
		For Flanged Inlet, Add	*250.00*	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	847.43	78.16
		For Flanged Inlet, Add	*365.34*	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,843.19	102.98
		For Flanged Inlet, Add	*972.15*	

23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*

23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	749.89	33.50
		For Flanged Inlet, Add	*419.70*	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	907.97	39.70
		For Flanged Inlet, Add	*508.56*	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,299.76	45.90
		For Flanged Inlet, Add	*757.92*	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,324.87	52.11
		For Flanged Inlet, Add	*757.92*	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,911.12	62.03
		For Flanged Inlet, Add	*1,130.83*	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,973.16	78.16
		For Flanged Inlet, Add	*1,130.83*	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,269.31	102.98
		For Flanged Inlet, Add	*1,941.91*	

23 21 16 00-0025 Y-Type Strainers *(23 21 16)*

23 21 16 00-0026 Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers *(23 21 16 00-0025)*

23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	88.11	14.87
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*12.75*	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	88.77	15.15
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*12.95*	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	112.87	20.45
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*17.53*	
23 21 16 00-0030	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	143.29	24.43
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*20.92*	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	187.10	30.21
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*25.90*	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	214.34	32.54
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*27.89*	
23 21 16 00-0033	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	293.09	37.19
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*31.88*	
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	552.84	46.48
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*39.85*	
23 21 16 00-0035	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	714.76	58.18
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*49.81*	

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23 21 16 00-0036				**Flanged, 125 Lb., Iron Body , Y-Type Strainers** *(23 21 16 00-0025)*		
23 21 16 00-0037	EA			1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	522.23	139.46
				For Galvanized Body, Add	*173.74*	
				For Work In Restricted Working Space, Add	*52.43*	
23 21 16 00-0038	EA			2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	597.38	177.04
				For Galvanized Body, Add	*188.01*	
				For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0039	EA			3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,179.00	225.79
				For Galvanized Body, Add	*448.21*	
				For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0040	EA			4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,491.59	378.52
				For Galvanized Body, Add	*508.63*	
				For Work In Restricted Working Space, Add	*142.30*	
23 21 16 00-0041	EA			5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,613.90	381.26
				For Galvanized Body, Add	*569.03*	
				For Work In Restricted Working Space, Add	*142.75*	
23 21 16 00-0042	EA			6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,944.85	423.63
				For Galvanized Body, Add	*706.71*	
				For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0043	EA			8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,456.16	541.30
				For Galvanized Body, Add	*1,391.87*	
				For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0044	EA			10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,028.17	658.98
				For Galvanized Body, Add	*3,102.23*	
				For Work In Restricted Working Space, Add	*247.11*	
23 21 16 00-0045	EA			12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,627.99	588.37
				For Galvanized Body, Add	*3,225.63*	
				For Work In Restricted Working Space, Add	*353.02*	
23 21 16 00-0046				**Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers** *(23 21 16 00-0025)*		
				Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA			1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	78.89	15.15
				For 300 Lb. Rating, Add	*60.74*	
				For Work In Restricted Working Space, Add	*12.95*	
23 21 16 00-0048	EA			3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	104.88	20.45
				For 300 Lb. Rating, Add	*78.95*	
				For Work In Restricted Working Space, Add	*17.53*	
23 21 16 00-0049	EA			1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	128.23	24.43
				For 300 Lb. Rating, Add	*99.45*	
				For Work In Restricted Working Space, Add	*20.92*	
23 21 16 00-0050	EA			1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	174.22	30.21
				For 300 Lb. Rating, Add	*149.41*	
				For Work In Restricted Working Space, Add	*25.90*	
23 21 16 00-0051	EA			1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	207.12	32.54
				For 300 Lb. Rating, Add	*194.06*	
				For Work In Restricted Working Space, Add	*27.89*	
23 21 16 00-0052	EA			2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	276.22	37.19
				For 300 Lb. Rating, Add	*288.95*	
				For Work In Restricted Working Space, Add	*31.88*	
23 21 16 00-0053	EA			2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	387.82	46.48
				For 300 Lb. Rating, Add	*433.50*	
				For Work In Restricted Working Space, Add	*39.85*	
23 21 16 00-0054	EA			3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	694.73	58.18
				For 300 Lb. Rating, Add	*898.81*	
				For Work In Restricted Working Space, Add	*49.81*	
23 21 16 00-0055	EA			4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,202.62	69.73
				For 300 Lb. Rating, Add	*1,705.78*	
				For Work In Restricted Working Space, Add	*59.77*	
23 21 16 00-0056				**Flanged, 150 Lb., Bronze Body, Y-Type Strainers** *(23 21 16 00-0025)*		
				Note: With bolted cap.		
23 21 16 00-0057	EA			2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	665.17	177.04
				For 300 Lb. Rating, Add	*266.29*	
				For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0058	EA			2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	693.67	192.59
				For 300 Lb. Rating, Add	*271.31*	
				For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0059	EA			3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	800.37	225.79
				For 300 Lb. Rating, Add	*310.67*	
				For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0060	EA			4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,732.47	378.52
				For 300 Lb. Rating, Add	*754.88*	
				For Work In Restricted Working Space, Add	*142.30*	
23 21 16 00-0061	EA			6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,438.54	423.63
				For 300 Lb. Rating, Add	*1,144.27*	
				For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0062	EA			8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,927.05	541.30
				For 300 Lb. Rating, Add	*1,952.78*	
				For Work In Restricted Working Space, Add	*201.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0063	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,505.03	658.98
		For 300 Lb. Rating, Add	*7,008.79*	
		For Work In Restricted Working Space, Add	*247.11*	
23 21 16 00-0064		**Cast Iron Body, Suction Diffusers** *(23 21 16)*		
		Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	571.36	52.33
		For Work In Restricted Working Space, Add	*25.62*	
23 21 16 00-0066	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	600.27	58.04
		For Work In Restricted Working Space, Add	*28.46*	
23 21 16 00-0067	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	609.91	60.97
		For Work In Restricted Working Space, Add	*29.90*	
23 21 16 00-0068	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,155.10	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0069	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	630.85	70.93
		For Work In Restricted Working Space, Add	*34.72*	
23 21 16 00-0070	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	713.47	70.93
		For Work In Restricted Working Space, Add	*34.72*	
23 21 16 00-0071	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,209.67	209.63
		For Work In Restricted Working Space, Add	*78.61*	
23 21 16 00-0072	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,235.08	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0073	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,501.04	302.77
		For Work In Restricted Working Space, Add	*113.54*	
23 21 16 00-0074	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,767.00	378.52
		For Work In Restricted Working Space, Add	*142.30*	
23 21 16 00-0075	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,021.21	380.68
		For Work In Restricted Working Space, Add	*142.75*	
23 21 16 00-0076	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,441.27	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0077	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,762.07	541.30
		For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0078	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,263.69	541.30
		For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0079	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,871.79	658.98
		For Work In Restricted Working Space, Add	*247.11*	
23 21 16 00-0080	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,693.07	658.98
		For Work In Restricted Working Space, Add	*247.11*	
23 21 16 00-0081		**Duplex Strainers** *(23 21 16)*		
23 21 16 00-0082		**Iron Body, Duplex Strainers** *(23 21 16 00-0081)*		
23 21 16 00-0083		**Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers** *(23 21 16 00-0082)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0084	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	977.20	33.07
		For Work In Restricted Working Space, Add	*19.85*	
23 21 16 00-0085	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,091.17	37.85
		For Work In Restricted Working Space, Add	*22.73*	
23 21 16 00-0086	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,479.20	44.49
		For Work In Restricted Working Space, Add	*26.68*	
23 21 16 00-0087	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,862.06	48.48
		For Work In Restricted Working Space, Add	*29.09*	
23 21 16 00-0088	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,495.79	59.10
		For Work In Restricted Working Space, Add	*35.58*	
23 21 16 00-0089	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,140.66	75.71
		For Work In Restricted Working Space, Add	*45.41*	
23 21 16 00-0090		**Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers** *(23 21 16 00-0082)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0091	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,400.45	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0092	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,515.48	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0093	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,505.56	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0094	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	7,063.14	335.37
		For Work In Restricted Working Space, Add	*126.08*	
23 21 16 00-0095	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,817.19	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0096	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,294.95	541.30
		For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0097	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	36,315.66	658.98
		For Work In Restricted Working Space, Add	*247.11*	
23 21 16 00-0098	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	41,139.73	830.78
		For Work In Restricted Working Space, Add	*498.62*	
23 21 16 00-0099	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	49,005.45	941.39
		For Work In Restricted Working Space, Add	*353.02*	
23 21 16 00-0100	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	61,270.10	1,035.53
		For Work In Restricted Working Space, Add	*388.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0101		Bronze Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0102		Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0101)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0103	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,821.80	33.20
		For Work In Restricted Working Space, Add	*19.85*	
23 21 16 00-0104	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,021.17	37.85
		For Work In Restricted Working Space, Add	*22.73*	
23 21 16 00-0105	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,959.61	44.49
		For Work In Restricted Working Space, Add	*26.68*	
23 21 16 00-0106	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,892.88	48.48
		For Work In Restricted Working Space, Add	*29.09*	
23 21 16 00-0107	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,029.57	59.10
		For Work In Restricted Working Space, Add	*35.58*	
23 21 16 00-0108	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,177.41	75.71
		For Work In Restricted Working Space, Add	*45.41*	
23 21 16 00-0109		Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0101)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0110	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,054.03	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0111	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,263.96	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0112	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	9,962.21	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0113	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,698.88	335.37
		For Work In Restricted Working Space, Add	*126.08*	
23 21 16 00-0114	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	34,125.41	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0115		Cast Steel Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0116		Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,838.98	37.85
		For Work In Restricted Working Space, Add	*22.73*	
23 21 16 00-0118	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,496.88	44.49
		For Work In Restricted Working Space, Add	*26.68*	
23 21 16 00-0119	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,149.68	48.48
		For Work In Restricted Working Space, Add	*29.09*	
23 21 16 00-0120	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,026.62	59.10
		For Work In Restricted Working Space, Add	*35.58*	
23 21 16 00-0121		Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0122	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,175.45	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0123	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,886.38	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0124	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,368.32	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0125	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,203.45	335.37
		For Work In Restricted Working Space, Add	*126.08*	
23 21 16 00-0126	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,953.00	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0127	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,594.48	541.30
		For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0128		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0129		Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0128)*		
		Note: With stainless steel basket.		
23 21 16 00-0130	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,499.66	37.85
		For Work In Restricted Working Space, Add	*22.73*	
23 21 16 00-0131	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,213.95	44.49
		For Work In Restricted Working Space, Add	*26.68*	
23 21 16 00-0132	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,911.24	48.48
		For Work In Restricted Working Space, Add	*29.09*	
23 21 16 00-0133	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,880.91	59.10
		For Work In Restricted Working Space, Add	*35.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0134		**Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0128)* Note: With stainless steel basket.		
23 21 16 00-0135	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,637.96	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0136	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,490.82	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0137	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,405.67	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0138	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,491.38	335.37
		For Work In Restricted Working Space, Add	*126.08*	
23 21 16 00-0139	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,822.26	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0140	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,688.89	541.30
		For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0141		**Pressure Regulating Valve** *(23 21 16)*		
23 21 16 00-0142		**Screwed Ends, Iron Body, Water Pressure Reducing Valves** *(23 21 16 00-0141)* Note: For building services, 25 - 75 PSI, up to 300 Lb. rating		
23 21 16 00-0143	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	244.40	16.60
		For Work In Restricted Working Space, Add	*19.92*	
23 21 16 00-0144	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	300.64	18.59
		For Work In Restricted Working Space, Add	*22.13*	
23 21 16 00-0145	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	394.42	19.92
		For Work In Restricted Working Space, Add	*23.43*	
23 21 16 00-0146	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	673.21	22.30
		For Work In Restricted Working Space, Add	*26.55*	
23 21 16 00-0147	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	912.79	26.56
		For Work In Restricted Working Space, Add	*31.86*	
23 21 16 00-0148	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,308.77	40.71
		For Work In Restricted Working Space, Add	*48.90*	
23 21 16 00-0149	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,424.12	45.84
		For Work In Restricted Working Space, Add	*55.01*	
23 21 16 00-0150	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,564.96	132.64
		For Work In Restricted Working Space, Add	*61.12*	
23 21 16 00-0151		**Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0141)* Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152		**Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0151)*		
23 21 16 00-0153	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	409.72	22.31
		For Work In Restricted Working Space, Add	*26.74*	
23 21 16 00-0154	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	514.32	31.61
		For Work In Restricted Working Space, Add	*37.95*	
23 21 16 00-0155	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	660.42	38.51
		For Work In Restricted Working Space, Add	*46.33*	
23 21 16 00-0156	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	881.40	46.76
		For Work In Restricted Working Space, Add	*53.85*	
23 21 16 00-0157	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,180.12	53.13
		For Work In Restricted Working Space, Add	*61.30*	
23 21 16 00-0158	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,381.17	74.44
		For Work In Restricted Working Space, Add	*74.44*	
23 21 16 00-0159		**Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0151)* Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,154.47	179.90
		For Work In Restricted Working Space, Add	*67.67*	
23 21 16 00-0161	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,920.96	210.91
		For Work In Restricted Working Space, Add	*79.19*	
23 21 16 00-0162	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,052.22	353.59
		For Work In Restricted Working Space, Add	*132.93*	
23 21 16 00-0163	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,519.30	410.66
		For Work In Restricted Working Space, Add	*154.55*	
23 21 16 00-0164		**Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0141)*		
23 21 16 00-0165		**Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0164)*		
23 21 16 00-0166	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,278.92	16.20
		For Work In Restricted Working Space, Add	*24.30*	
23 21 16 00-0167	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,326.59	16.20
		For Work In Restricted Working Space, Add	*24.30*	
23 21 16 00-0168	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,480.25	20.45
		For Work In Restricted Working Space, Add	*30.68*	
23 21 16 00-0169	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,915.95	26.03
		For Work In Restricted Working Space, Add	*39.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0170	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,338.38	30.02
		For Work In Restricted Working Space, Add	*45.02*	
23 21 16 00-0171	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,138.20	35.33
		For Work In Restricted Working Space, Add	*53.00*	
23 21 16 00-0172		**Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0164)*		
23 21 16 00-0173	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,113.95	179.90
		For Work In Restricted Working Space, Add	*67.67*	
23 21 16 00-0174	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,306.91	210.91
		For Work In Restricted Working Space, Add	*79.19*	
23 21 16 00-0175	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,557.82	353.59
		For Work In Restricted Working Space, Add	*132.93*	
23 21 16 00-0176	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,963.70	410.66
		For Work In Restricted Working Space, Add	*154.55*	
23 21 16 00-0177		**Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0141)*		
23 21 16 00-0178	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	273.67	17.26
23 21 16 00-0179	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	337.95	19.11
23 21 16 00-0180	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	446.43	20.31
23 21 16 00-0181	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	769.35	23.10
23 21 16 00-0182	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,045.38	27.61
23 21 16 00-0183	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,497.17	42.30
23 21 16 00-0184	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,622.01	46.08
23 21 16 00-0185	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,788.78	53.06
23 21 16 00-0186		**Screwed Ends, Bronze Body, Water Pressure Reducing Valves** *(23 21 16 00-0141)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	224.48	16.60
23 21 16 00-0188	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	246.68	18.59
23 21 16 00-0189	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	306.66	20.58
23 21 16 00-0190	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	727.74	22.30
23 21 16 00-0191	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	788.67	26.56
23 21 16 00-0192	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,239.34	40.71
23 21 16 00-0193		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0194	EA	1/2" Dual Unit Reducing And Relief Valve	253.35	40.51
23 21 16 00-0195		**Safety Relief Valve** *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0195)*		
		Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0197	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	93.75	16.60
23 21 16 00-0198	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	130.65	18.26
23 21 16 00-0199	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	189.37	22.24
23 21 16 00-0200	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	245.71	23.57
23 21 16 00-0201	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	338.49	31.53
23 21 16 00-0202	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	454.90	37.17
23 21 16 00-0203	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	515.13	46.47
23 21 16 00-0204		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0205	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	105.97	33.85
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0206	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	136.95	40.62
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0207	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	200.89	54.17
		For Cast Iron Body, Add	*140.48*	
23 21 16 00-0208	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	333.67	58.02
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0209	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	563.05	65.06
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0210	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	650.31	93.52
		For Cast Iron Body, Add	*621.88*	
23 21 16 00-0211		**Horizontal Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0212	EA	10 Gallon Horizontal Steel Expansion Tank	728.75	132.82
23 21 16 00-0213	EA	15 Gallon Horizontal Steel Expansion Tank	1,026.72	166.02
23 21 16 00-0214	EA	30 Gallon Horizontal Steel Expansion Tank	1,342.10	199.22
23 21 16 00-0215	EA	40 Gallon Horizontal Steel Expansion Tank	1,545.48	232.43
23 21 16 00-0216	EA	60 Gallon Horizontal Steel Expansion Tank	1,771.76	235.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0217		**Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0218	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,615.80	99.61
23 21 16 00-0219	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,690.17	116.22
23 21 16 00-0220	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,510.36	132.82
23 21 16 00-0221	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,616.22	149.41
23 21 16 00-0222	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,538.11	166.02
23 21 16 00-0223	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,733.56	182.63
23 21 16 00-0224	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,435.09	199.22
23 21 16 00-0225	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,746.76	215.82
23 21 16 00-0226	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,230.37	232.43
23 21 16 00-0227	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,383.96	265.63
23 21 16 00-0228	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,745.86	298.84
23 21 16 00-0229	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,732.44	332.04
23 21 16 00-0230	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,979.15	398.45
23 21 16 00-0231		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0232	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,838.58	99.61
23 21 16 00-0233	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,900.84	116.22
23 21 16 00-0234	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,713.77	132.82
23 21 16 00-0235	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,899.53	149.41
23 21 16 00-0236	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,680.97	166.02
23 21 16 00-0237	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,874.00	182.63
23 21 16 00-0238	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,718.41	199.22
23 21 16 00-0239	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,100.30	215.82
23 21 16 00-0240	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,639.61	232.43
23 21 16 00-0241	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,785.93	265.63
23 21 16 00-0242	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,111.51	298.84
23 21 16 00-0243	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,248.22	332.04
23 21 16 00-0244	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,504.61	398.45
23 21 16 00-0245		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0246	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	109.06	12.23
23 21 16 00-0247	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	155.70	12.23
23 21 16 00-0248		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0249	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,342.03	398.58
23 21 16 00-0250	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,397.46	398.58
23 21 16 00-0251	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,452.88	398.58
23 21 16 00-0252	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,596.97	398.58
23 21 16 00-0253	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,912.00	531.13
23 21 16 00-0254	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,243.83	531.40
23 21 16 00-0255	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,309.66	531.40
23 21 16 00-0256	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,375.50	531.40
23 21 16 00-0257	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	3,021.80	664.08
23 21 16 00-0258	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,603.45	664.08
23 21 16 00-0259	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,939.28	796.63
23 21 16 00-0260		**ASME Construction Compression Tanks** *(23 21 16)* Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0261	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,572.25	233.76
		For Galvanized Steel Tanks, Add	*609.04*	
23 21 16 00-0262	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,601.25	240.40
		For Galvanized Steel Tanks, Add	*618.01*	
23 21 16 00-0263	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,756.51	248.37
		For Galvanized Steel Tanks, Add	*689.66*	
23 21 16 00-0264	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,932.31	257.66
		For Galvanized Steel Tanks, Add	*770.25*	
23 21 16 00-0265	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,274.66	272.27
		For Galvanized Steel Tanks, Add	*931.47*	
23 21 16 00-0266	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,363.02	282.90
		For Galvanized Steel Tanks, Add	*967.29*	
23 21 16 00-0267	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,955.92	308.13
		For Galvanized Steel Tanks, Add	*1,244.95*	
23 21 16 00-0268	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,223.91	330.71
		For Galvanized Steel Tanks, Add	*1,361.36*	
23 21 16 00-0269	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	4,038.68	373.21
		For Galvanized Steel Tanks, Add	*1,736.76*	
23 21 16 00-0270	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,161.91	427.66
		For Galvanized Steel Tanks, Add	*2,257.01*	
23 21 16 00-0271	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,210.43	474.16
		For Galvanized Steel Tanks, Add	*2,746.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0272	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	6,793.25	515.33
		For Galvanized Steel Tanks, Add	*3,005.99*	
23 21 16 00-0273	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	8,642.20	565.80
		For Galvanized Steel Tanks, Add	*3,892.66*	
23 21 16 00-0274	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	8,901.49	604.31
		For Galvanized Steel Tanks, Add	*3,992.76*	
23 21 16 00-0275	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	11,562.36	649.47
		For Galvanized Steel Tanks, Add	*5,289.27*	
23 21 16 00-0276	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	19,482.83	762.36
		For Galvanized Steel Tanks, Add	*9,163.96*	

23 21 16 00-0277 Compression Tank Air Fittings *(23 21 16)*

23 21 16 00-0278	EA	9" To 24" Diameter Compression Tank Air Fittings	263.56	37.19
23 21 16 00-0279	EA	>100 Gallon Compression Tank Air Fittings	854.25	43.83

23 21 16 00-0280 Thermostatic Radiator Valves *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0281	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	101.99	21.43
23 21 16 00-0282	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	124.13	28.87
23 21 16 00-0283	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	165.25	34.96
23 21 16 00-0284	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	256.31	44.28
23 21 16 00-0285	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	101.99	21.43
23 21 16 00-0286	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	124.13	28.87
23 21 16 00-0287	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	165.25	34.96
23 21 16 00-0288	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	256.31	44.28
23 21 16 00-0289	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	104.17	16.60
23 21 16 00-0290	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	175.22	23.25

23 21 16 00-0291 Radiator Trap Repair Kits *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0292	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	159.06	
23 21 16 00-0293	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	198.65	
23 21 16 00-0294	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	201.00	
23 21 16 00-0295	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	228.62	
23 21 16 00-0296	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	537.90	

23 21 16 00-0297 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,064.67	282.90
		For 300 PSIG, Add	*245.43*	
23 21 16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,563.82	324.07
		For 300 PSIG, Add	*310.79*	
23 21 16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,985.47	381.18
		For 300 PSIG, Add	*511.20*	
23 21 16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,261.58	403.61
		For 300 PSIG, Add	*547.51*	
23 21 16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,491.70	538.15
		For 300 PSIG, Add	*701.45*	
23 21 16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,942.77	640.15
		For 300 PSIG, Add	*896.06*	
23 21 16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	8,253.16	724.87
		For 300 PSIG, Add	*1,073.23*	
23 21 16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,948.60	869.61
		For 300 PSIG, Add	*1,594.60*	
23 21 16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,557.06	988.46
		For 300 PSIG, Add	*2,558.91*	
23 21 16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	25,057.19	1,279.11
		For 300 PSIG, Add	*3,467.85*	
23 21 16 00-0308	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	52,722.93	1,553.29
		For 300 PSIG, Add	*7,555.42*	
23 21 16 00-0309	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	65,113.69	1,863.95
		For 300 PSIG, Add	*9,343.43*	
23 21 16 00-0310	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	85,078.01	2,174.61
		For 300 PSIG, Add	*12,267.47*	
23 21 16 00-0311	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	99,572.32	2,485.27
		For 300 PSIG, Add	*14,371.01*	

23 21 16 00-0312 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0313	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,745.17	282.90
		For 300 PSIG, Add	*197.51*	
23 21 16 00-0314	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,215.28	324.07
		For 300 PSIG, Add	*258.51*	
23 21 16 00-0315	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,898.33	381.18
		For 300 PSIG, Add	*498.13*	
23 21 16 00-0316	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,496.72	403.61
		For 300 PSIG, Add	*432.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0317	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,688.11	538.15
		For 300 PSIG, Add	*580.91*	
23 21 16 00-0318	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	6,100.45	640.15
		For 300 PSIG, Add	*769.71*	
23 21 16 00-0319	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	7,110.70	724.87
		For 300 PSIG, Add	*901.86*	
23 21 16 00-0320	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,508.78	869.61
		For 300 PSIG, Add	*1,228.63*	
23 21 16 00-0321	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	13,338.55	988.46
		For 300 PSIG, Add	*1,776.13*	
23 21 16 00-0322	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	20,672.52	1,279.11
		For 300 PSIG, Add	*2,810.15*	
23 21 16 00-0323	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	35,492.21	1,553.29
		For 300 PSIG, Add	*4,970.81*	
23 21 16 00-0324	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	45,014.51	1,863.95
		For 300 PSIG, Add	*6,328.55*	
23 21 16 00-0325	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	60,337.49	2,174.61
		For 300 PSIG, Add	*8,556.39*	
23 21 16 00-0326	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	82,747.97	2,485.27
		For 300 PSIG, Add	*11,847.36*	
23 21 16 00-0327	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	101,451.34	2,795.93
		For 300 PSIG, Add	*14,582.26*	
23 21 16 00-0328	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	120,154.72	3,106.59
		For 300 PSIG, Add	*17,317.17*	

23 21 16 00-0329 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0330	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,752.00	322.89
23 21 16 00-0331	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,328.22	430.25
23 21 16 00-0332	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,748.94	511.64
23 21 16 00-0333	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	8,033.43	579.89
23 21 16 00-0334	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,665.65	695.87
23 21 16 00-0335	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	19,012.69	790.77
23 21 16 00-0336	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	29,032.06	1,023.41

23 21 16 00-0337 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0338	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,958.09	322.89
23 21 16 00-0339	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,524.63	430.25
23 21 16 00-0340	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,906.62	511.64
23 21 16 00-0341	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,890.97	579.89
23 21 16 00-0342	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	9,245.19	695.87
23 21 16 00-0343	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,716.72	790.77
23 21 16 00-0344	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	22,924.61	1,023.41

23 21 16 00-0345 Removable Head, Air Eliminator And Dirt Separator *(23 21 16)*

Note: Spirovent VDN.

23 21 16 00-0346	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,675.43	282.90
23 21 16 00-0347	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,985.16	324.07
23 21 16 00-0348	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,305.92	381.18
23 21 16 00-0349	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	6,107.72	584.40
23 21 16 00-0350	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,884.21	722.52
23 21 16 00-0351	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	11,401.44	818.14
23 21 16 00-0352	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,718.59	184.62
23 21 16 00-0353	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	26,064.96	1,115.66
23 21 16 00-0354	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	33,689.34	1,443.71

23 21 16 00-0355 Swivel Joints *(23 21 16)*

23 21 16 00-0356 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0355)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0357	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	368.40	34.93
23 21 16 00-0358	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	529.56	51.13
23 21 16 00-0359	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	739.78	59.77
23 21 16 00-0360	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,106.26	102.27
23 21 16 00-0361	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,399.46	116.22
		For Stainless Steel, Add	*1,750.55*	
23 21 16 00-0362	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,036.97	177.04
		For Stainless Steel, Add	*1,223.42*	
23 21 16 00-0363	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,399.37	141.25
23 21 16 00-0364	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,795.16	378.52
23 21 16 00-0365	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,298.83	478.13

23 21 16 00-0366 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0355)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0367	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	466.58	34.93
		For Stainless Steel, Add	*595.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0368	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	575.93	51.13
		For Stainless Steel, Add	*710.64*	
23 21 16 00-0369	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	774.18	59.77
		For Stainless Steel, Add	*980.16*	
23 21 16 00-0370	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,245.38	102.27
		For Stainless Steel, Add	*1,561.58*	
23 21 16 00-0371	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,626.68	116.22
		For Stainless Steel, Add	*2,091.38*	
23 21 16 00-0372	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,068.41	177.04
		For Stainless Steel, Add	*1,270.58*	
23 21 16 00-0373	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,579.46	141.25
		For Stainless Steel, Add	*1,945.31*	
23 21 16 00-0374	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	2,003.06	378.52
		For Stainless Steel, Add	*2,293.08*	
23 21 16 00-0375	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,442.40	478.13
		For Stainless Steel, Add	*4,263.89*	

23 21 16 00-0376 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0355)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0377	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	547.60	34.93
		For Stainless Steel, Add	*716.55*	
23 21 16 00-0378	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	637.76	51.13
		For Stainless Steel, Add	*803.39*	
23 21 16 00-0379	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	929.59	59.77
		For Stainless Steel, Add	*1,213.28*	
23 21 16 00-0380	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,432.41	102.27
		For Stainless Steel, Add	*1,842.12*	
23 21 16 00-0381	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,688.51	116.22
		For Stainless Steel, Add	*2,184.12*	
23 21 16 00-0382	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,222.99	177.04
		For Stainless Steel, Add	*1,502.45*	
23 21 16 00-0383	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,771.12	141.25
		For Stainless Steel, Add	*2,232.80*	
23 21 16 00-0384	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,200.91	378.52
		For Stainless Steel, Add	*2,589.86*	
23 21 16 00-0385	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	3,867.47	478.13
		For Stainless Steel, Add	*4,901.49*	

23 21 16 00-0386 Basket Strainers *(23 21 16)*

23 21 16 00-0387 Bronze Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0388 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0387)*

23 21 16 00-0389	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	343.09	26.57
		For Work In Restricted Working Space, Add	*15.81*	
23 21 16 00-0390	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	405.46	31.21
		For Work In Restricted Working Space, Add	*18.58*	
23 21 16 00-0391	EA	1" Screwed Ends, Bronze Body Basket Strainer	470.46	37.19
		For Work In Restricted Working Space, Add	*22.14*	
23 21 16 00-0392	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	585.23	41.17
		For Work In Restricted Working Space, Add	*24.68*	
23 21 16 00-0393	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	690.74	46.48
		For Work In Restricted Working Space, Add	*27.86*	
23 21 16 00-0394	EA	2" Screwed Ends, Bronze Body Basket Strainer	1,026.87	53.13
		For Work In Restricted Working Space, Add	*31.91*	
23 21 16 00-0395	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,452.07	71.06
		For Work In Restricted Working Space, Add	*42.74*	
23 21 16 00-0396	EA	3" Screwed Ends, Bronze Body Basket Strainer	2,039.59	75.71
		For Work In Restricted Working Space, Add	*45.33*	

23 21 16 00-0397 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0387)*

23 21 16 00-0398	EA	2" Flanged, Bronze Body Basket Strainer	1,616.36	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0399	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,424.15	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0400	EA	3" Flanged, Bronze Body Basket Strainer	2,749.94	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0401	EA	4" Flanged, Bronze Body Basket Strainer	4,649.86	378.52
		For Work In Restricted Working Space, Add	*142.30*	
23 21 16 00-0402	EA	6" Flanged, Bronze Body Basket Strainer	8,787.58	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0403	EA	8" Flanged, Bronze Body Basket Strainer	15,998.49	541.30
		For Work In Restricted Working Space, Add	*201.73*	

23 21 16 00-0404 Iron Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0405 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0404)*

23 21 16 00-0406	EA	1/2" Screwed Ends, Iron Body Basket Strainer	393.46	26.57
		For Work In Restricted Working Space, Add	*15.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0407	EA	3/4" Screwed Ends, Iron Body Basket Strainer	443.33	31.21
		For Work In Restricted Working Space, Add	*18.58*	
23 21 16 00-0408	EA	1" Screwed Ends, Iron Body Basket Strainer	523.97	37.19
		For Work In Restricted Working Space, Add	*22.14*	
23 21 16 00-0409	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	685.63	41.17
		For Work In Restricted Working Space, Add	*24.68*	
23 21 16 00-0410	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	752.51	46.48
		For Work In Restricted Working Space, Add	*27.86*	
23 21 16 00-0411	EA	2" Screwed Ends, Iron Body Basket Strainer	894.17	53.13
		For Work In Restricted Working Space, Add	*31.91*	
23 21 16 00-0412	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,267.91	71.06
		For Work In Restricted Working Space, Add	*42.74*	
23 21 16 00-0413	EA	3" Screwed Ends, Iron Body Basket Strainer	1,432.86	75.71
		For Work In Restricted Working Space, Add	*45.33*	

23 21 16 00-0414 Flanged, Iron Body Basket Strainers *(23 21 16 00-0404)*

23 21 16 00-0415	EA	2" Flanged, Iron Body Basket Strainer	1,721.16	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0416	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,262.96	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0417	EA	3" Flanged, Iron Body Basket Strainer	2,434.47	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0418	EA	4" Flanged, Iron Body Basket Strainer	3,713.03	378.52
		For Work In Restricted Working Space, Add	*142.30*	
23 21 16 00-0419	EA	6" Flanged, Iron Body Basket Strainer	6,834.93	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0420	EA	8" Flanged, Iron Body Basket Strainer	12,301.29	541.30
		For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0421	EA	10" Flanged, Iron Body Basket Strainer	18,321.35	658.98
		For Work In Restricted Working Space, Add	*247.11*	
23 21 16 00-0422	EA	12" Flanged, Iron Body Basket Strainer	22,419.46	830.78
		For Work In Restricted Working Space, Add	*498.42*	
23 21 16 00-0423	EA	14" Flanged, Iron Body Basket Strainer	27,368.85	941.39
		For Work In Restricted Working Space, Add	*353.02*	
23 21 16 00-0424	EA	16" Flanged, Iron Body Basket Strainer	28,682.02	1,035.53
		For Work In Restricted Working Space, Add	*388.32*	

23 21 16 00-0425 Cast Steel Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0426 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0425)*

23 21 16 00-0427	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	1,037.29	37.19
		For Work In Restricted Working Space, Add	*22.14*	
23 21 16 00-0428	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,368.30	41.17
		For Work In Restricted Working Space, Add	*24.68*	
23 21 16 00-0429	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,542.20	46.48
		For Work In Restricted Working Space, Add	*27.86*	
23 21 16 00-0430	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	2,168.08	53.13
		For Work In Restricted Working Space, Add	*31.91*	
23 21 16 00-0431	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	3,041.11	71.06
		For Work In Restricted Working Space, Add	*42.73*	
23 21 16 00-0432	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	3,947.99	75.71
		For Work In Restricted Working Space, Add	*45.34*	

23 21 16 00-0433 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0425)*

23 21 16 00-0434	EA	2" Flanged, Cast Steel Body Basket Strainer	3,222.10	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0435	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	4,630.32	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0436	EA	3" Flanged, Cast Steel Body Basket Strainer	5,079.69	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0437	EA	4" Flanged, Cast Steel Body Basket Strainer	7,210.69	378.52
		For Work In Restricted Working Space, Add	*142.30*	
23 21 16 00-0438	EA	6" Flanged, Cast Steel Body Basket Strainer	12,677.27	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0439	EA	8" Flanged, Cast Steel Body Basket Strainer	20,575.27	541.30
		For Work In Restricted Working Space, Add	*201.73*	

23 21 16 00-0440 Stainless Steel Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0441 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0440)*

23 21 16 00-0442	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	591.59	37.19
		For Work In Restricted Working Space, Add	*22.14*	
23 21 16 00-0443	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	848.72	41.17
		For Work In Restricted Working Space, Add	*24.68*	
23 21 16 00-0444	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	877.25	46.48
		For Work In Restricted Working Space, Add	*27.86*	
23 21 16 00-0445	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,293.19	53.13
		For Work In Restricted Working Space, Add	*31.91*	
23 21 16 00-0446	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,826.57	71.06
		For Work In Restricted Working Space, Add	*42.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0447	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,573.52	75.71
		For Work In Restricted Working Space, Add	*45.34*	
23 21 16 00-0448		**Flanged, Stainless Steel Body Basket Strainers** *(23 21 16 00-0440)*		
23 21 16 00-0449	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,987.52	177.04
		For Work In Restricted Working Space, Add	*66.41*	
23 21 16 00-0450	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,991.98	192.59
		For Work In Restricted Working Space, Add	*72.45*	
23 21 16 00-0451	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,389.39	225.79
		For Work In Restricted Working Space, Add	*84.78*	
23 21 16 00-0452	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,729.24	378.52
		For Work In Restricted Working Space, Add	*142.30*	
23 21 16 00-0453	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,734.20	423.63
		For Work In Restricted Working Space, Add	*159.43*	
23 21 16 00-0454	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,129.80	541.30
		For Work In Restricted Working Space, Add	*201.73*	
23 21 16 00-0455		**Bag Filter And Mounting Stands** *(23 21 16)*		
23 21 16 00-0456		**Stainless Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0455)*		
23 21 16 00-0457	EA	4" Diameter Flanged, 395 GPM, 3-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	6,354.28	378.52
23 21 16 00-0458	EA	4" Diameter Flanged, 525 GPM, 4-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	7,299.28	378.52
23 21 16 00-0459	EA	6" Diameter Flanged, 785 GPM, 6-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	11,031.41	423.63
23 21 16 00-0460	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	15,288.38	541.30
23 21 16 00-0461	EA	10" Diameter Flanged, 2,115 GPM, 16-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	22,411.70	658.98
23 21 16 00-0462	EA	10" Diameter Flanged, 2,645 GPM, 20-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	26,022.45	658.98
23 21 16 00-0463	EA	4" Diameter Flanged PVC Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged PVC pipe headers with two 2" butterfly valves on each header.	5,387.12	754.64
23 21 16 00-0464	EA	4" Diameter Flanged Stainless Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged 304 stainless steel pipe headers with two 2" butterfly valves on each header.	7,277.12	754.64
23 21 16 00-0465	EA	4" Diameter Flanged Carbon Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	6,332.12	754.64
23 21 16 00-0466	EA	4" Diameter Flanged Carbon Steel Header, Dual 4" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 4" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	24,775.19	931.98
23 21 16 00-0467		**Carbon Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0455)*		
23 21 16 00-0468	EA	4" Diameter Flanged, 395 GPM, 3-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	4,884.28	378.52
23 21 16 00-0469	EA	4" Diameter Flanged, 525 GPM, 4-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,039.28	378.52
23 21 16 00-0470	EA	6" Diameter Flanged, 5,785 GPM, 6-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,831.41	423.63
23 21 16 00-0471	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	12,012.38	541.30
23 21 16 00-0472		**Air Vents** *(23 21 16)*		
23 21 16 00-0473		**Screwed Ends, Cast Iron, Automatic Air Vents** *(23 21 16 00-0472)* Note: With guided free floating lever.		
23 21 16 00-0474	EA	1/2" NPT, Cast Iron, Automatic Air Vent	319.60	38.51
23 21 16 00-0475	EA	3/4" NPT, Cast Iron, Automatic Air Vent	392.32	51.13
23 21 16 00-0476	EA	1" NPT, Cast Iron, Automatic Air Vent	874.25	53.13
23 21 16 00-0477	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,297.37	82.08
23 21 16 00-0478	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,147.88	88.32
23 21 16 00-0479	EA	2" NPT, Cast Iron, Automatic Air Vent	2,471.06	116.48
23 21 16 00-0480		**Forged Steel, Stainless Steel Internals, Automatic Air Vents** *(23 21 16 00-0472)* Note: With guided free floating lever.		
23 21 16 00-0481	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,092.74	44.49
23 21 16 00-0482	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,621.93	51.13
23 21 16 00-0483	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,127.05	53.13
23 21 16 00-0484	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,129.74	82.35
23 21 16 00-0485	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,923.44	88.32
23 21 16 00-0486	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	8,705.73	116.22
23 21 16 00-0487		**Automatic Air Vent** *(23 21 16 00-0472)*		
23 21 16 00-0488	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	265.40	51.13
23 21 16 00-0489	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	290.18	53.13
23 21 16 00-0490	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	411.89	82.08
23 21 16 00-0491	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	507.32	88.32
23 21 16 00-0492	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	645.09	95.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0493		Manual Air Vent Bleed Plug Valve *(23 21 16 00-0472)*		
23 21 16 00-0494	EA	Up To 1/2" Manual Air Vent Bleed Plug Valve	90.39	47.94
23 21 16 00-0495		Air Release Valves *(23 21 16 00-0472)*		
23 21 16 00-0496		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0495)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0497	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	207.04	19.93
23 21 16 00-0498	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	212.36	22.58
23 21 16 00-0499	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	222.98	27.90
23 21 16 00-0500		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0495)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0501	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	837.12	27.90
23 21 16 00-0502	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,007.27	48.48
23 21 16 00-0503	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,322.32	113.03
23 21 16 00-0504		Cast Iron, Air/Vacuum Valves *(23 21 16 00-0495)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0505	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	406.09	19.93
23 21 16 00-0506	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	501.65	27.90
23 21 16 00-0507	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	866.61	48.48
23 21 16 00-0508	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,258.62	113.03
23 21 16 00-0509	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,970.23	189.74
23 21 16 00-0510	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,993.72	239.93
23 21 16 00-0511		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice *(23 21 16 00-0495)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0512	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	724.59	27.90
23 21 16 00-0513	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,113.43	48.48
23 21 16 00-0514	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	2,041.55	113.03
23 21 16 00-0515	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,652.31	189.74
23 21 23		**Hydronic Pumps** *(23 21)*		
23 21 23 13		**In-Line Centrifugal Hydronic Pumps** *(23 21 23)*		
23 21 23 13-0001		Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*		
		Note: For general service, 125 Lb. flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,305.42	354.69
		For Mechanical Seal, Add	*499.35*	
		For Cast Steel Case, Add	*1,123.54*	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,978.87	429.30
		For Mechanical Seal, Add	*535.32*	
		For Cast Steel Case, Add	*1,204.46*	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,223.13	510.01
		For Mechanical Seal, Add	*615.54*	
		For Cast Steel Case, Add	*1,384.97*	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	10,335.31	680.02
		For Mechanical Seal, Add	*663.75*	
		For Cast Steel Case, Add	*1,493.44*	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	11,846.67	741.17
		For Mechanical Seal, Add	*769.83*	
		For Cast Steel Case, Add	*1,732.13*	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	17,696.39	815.78
		For Mechanical Seal, Add	*1,220.02*	
		For Cast Steel Case, Add	*2,745.05*	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	20,797.51	1,018.81
		For Mechanical Seal, Add	*1,419.19*	
		For Cast Steel Case, Add	*3,193.17*	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	28,920.47	1,164.36
		For Mechanical Seal, Add	*2,034.08*	
		For Cast Steel Case, Add	*4,576.68*	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	36,773.09	1,220.28
		For Mechanical Seal, Add	*2,648.97*	
		For Cast Steel Case, Add	*5,960.18*	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	40,163.82	1,568.59
		For Mechanical Seal, Add	*2,836.55*	
		For Cast Steel Case, Add	*6,382.24*	
23 21 23 13-0012		Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*		
		Note: For general service, 125 Lb. flanged, 1,800 RPM TEFC motor.		
23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,357.26	203.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,134.90	232.75
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,495.90	260.63
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,730.28	283.39
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,169.04	310.29
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,350.26	342.95
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,263.84	407.28
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,460.56	501.33
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	10,858.14	543.04
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,672.17	574.96
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,243.79	610.92
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,136.25	631.35
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	18,028.70	651.65
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,382.85	698.25
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,051.92	774.19
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,526.07	1,118.22
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	30,324.93	2,236.45
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,882.54	2,683.73

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,765.50	387.71
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,584.68	388.20
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,995.44	510.01
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,963.41	627.43
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	12,260.81	627.43
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,936.56	680.02
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,674.18	680.02
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,845.85	713.05
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	15,426.58	906.28
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	16,334.84	1,018.81
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	25,028.14	2,351.04
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	36,212.89	2,820.74
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	41,109.33	3,525.92

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,928.82	284.98
		For 300 Lb. Flanges, Add	*1,603.73*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,814.99	305.77
		For 300 Lb. Flanges, Add	*2,089.09*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,047.33	326.55
		For 300 Lb. Flanges, Add	*2,625.94*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,889.72	387.71
		For 300 Lb. Flanges, Add	*3,047.71*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,546.82	388.20
		For 300 Lb. Flanges, Add	*3,203.25*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,167.45	510.01
		For 300 Lb. Flanges, Add	*3,312.54*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,482.38	510.01
		For 300 Lb. Flanges, Add	*3,391.27*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,179.97	510.01
		For 300 Lb. Flanges, Add	*3,565.67*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,625.68	627.43
		For 300 Lb. Flanges, Add	*4,124.18*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,900.62	626.95
		For 300 Lb. Flanges, Add	*4,181.53*	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,868.29	680.02
		For 300 Lb. Flanges, Add	*4,411.31*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,703.32	713.05
		For 300 Lb. Flanges, Add	*4,845.63*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,892.02	906.28
		For 300 Lb. Flanges, Add	*5,315.32*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,967.96	1,018.81
		For 300 Lb. Flanges, Add	*6,033.34*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	40,295.58	2,351.04
		For 300 Lb. Flanges, Add	*8,940.56*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,925.17	2,820.74
		For 300 Lb. Flanges, Add	*10,621.29*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	58,448.22	3,525.92
		For 300 Lb. Flanges, Add	*12,912.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0033		**Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,645.88	284.98
		For 300 Lb. Flanges, Add	*1,533.00*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,824.56	305.77
		For 300 Lb. Flanges, Add	*1,568.53*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,003.39	326.55
		For 300 Lb. Flanges, Add	*1,604.08*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,603.91	333.89
		For 300 Lb. Flanges, Add	*1,750.60*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,377.91	387.71
		For 300 Lb. Flanges, Add	*2,919.75*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,989.65	510.01
		For 300 Lb. Flanges, Add	*3,549.12*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,857.70	550.38
		For 300 Lb. Flanges, Add	*3,985.10*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,842.77	611.53
		For 300 Lb. Flanges, Add	*4,178.45*	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,855.72	610.72
		For 300 Lb. Flanges, Add	*4,689.36*	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	22,263.06	784.88
		For 300 Lb. Flanges, Add	*5,212.74*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	28,175.73	940.66
		For 300 Lb. Flanges, Add	*6,590.60*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	35,961.94	1,174.88
		For 300 Lb. Flanges, Add	*8,423.82*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	45,226.48	1,410.37
		For 300 Lb. Flanges, Add	*10,626.62*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	53,601.05	1,566.52
		For 300 Lb. Flanges, Add	*12,644.71*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	61,685.92	2,014.82
		For 300 Lb. Flanges, Add	*14,450.05*	
23 21 23 16-0049		**Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	42,008.22	627.43
		For 300 Lb. Flanges, Add	*10,219.81*	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,349.68	680.02
		For 300 Lb. Flanges, Add	*11,031.65*	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	60,479.64	894.75
		For 300 Lb. Flanges, Add	*14,710.21*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	70,633.21	1,229.45
		For 300 Lb. Flanges, Add	*17,094.97*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	97,999.19	1,639.26
		For 300 Lb. Flanges, Add	*23,748.69*	
23 21 23 16-0055		**Cast Iron Close Coupling Pumps** *(23 21 23 16)*		
23 21 23 16-0056		**Foot Mounted Cast Iron Close Coupled Pumps** *(23 21 23 16-0055)*		
23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	6,060.03	366.92
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,590.65	366.92
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,325.28	387.31
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,794.67	387.31
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,952.05	407.28
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,611.01	490.31
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,923.16	604.02
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,906.09	653.75
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	17,255.41	706.04
23 21 23 16-0066		**Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt** *(23 21 23 16)*		
23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,533.58	189.53
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,635.82	200.95
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,904.30	213.96

23 21 23 23 Vertical-Turbine Hydronic Pumps *(23 21 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0001		Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)* Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,555.41	906.28
		For Each Extra Column Assembly <60", Add	*1,138.79*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*487.86*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*352.30*	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	15,628.71	1,018.81
		For Each Extra Column Assembly <60", Add	*1,305.09*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*570.35*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*414.06*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	18,700.33	940.66
		For Each Extra Column Assembly <60", Add	*1,563.49*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*680.55*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*493.55*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	22,065.74	1,085.48
		For Each Extra Column Assembly <60", Add	*1,835.00*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*812.89*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*592.23*	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	27,194.52	1,174.88
		For Each Extra Column Assembly <60", Add	*2,251.12*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,012.23*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*740.28*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	35,772.83	1,410.37
		For Each Extra Column Assembly <60", Add	*2,952.49*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,340.25*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*982.52*	
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	42,809.73	1,762.97
		For Each Extra Column Assembly <60", Add	*3,538.11*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,599.06*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,170.96*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	68,635.01	2,014.82
		For Each Extra Column Assembly <60", Add	*5,620.32*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,615.88*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,929.53*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	90,022.99	2,351.04
		For Each Extra Column Assembly <60", Add	*7,352.95*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,449.81*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,549.58*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	126,068.04	2,820.74
		For Each Extra Column Assembly <60", Add	*10,266.78*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*4,861.39*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,600.71*	
23 21 29		**Automatic Condensate Pump Units** *(23 21)*		
23 21 29 00-0001		Automatic Shallow Pan Condensate Pump *(23 21 29)*		
23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	247.60	39.75
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	268.63	39.75
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	419.23	45.87
23 21 29 00-0005		Automatic Condensate Pump With Tank *(23 21 29)*		
23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	135.60	30.58
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	144.58	30.58
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	240.72	39.75
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	259.83	45.87
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	480.39	51.98
23 22		**Steam and Condensate Piping and Pumps** *(23 20)*		
23 22 16		**Steam and Condensate Heating Piping Specialties** *(23 22)*		
23 22 16 00-0001		Steam Temperature Regulator, Iron Body *(23 22 16)*		
23 22 16 00-0002		Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)* Note: Up to 150 PSI.		
23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,414.16	19.11
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,488.88	25.75
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,975.50	31.73
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,182.12	40.10
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,239.91	46.08
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,646.06	50.12
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,373.14	91.81
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,515.86	100.12
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,045.77	234.35
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,432.73	275.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0013		**Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,094.94	19.11
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,170.70	25.75
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,268.27	31.73
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,715.54	40.10
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,909.71	46.08
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,303.80	50.12
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,065.68	91.81
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,651.93	100.12
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,549.92	234.35
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,086.52	275.06
23 22 16 00-0024		**Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,853.99	19.11
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,896.63	25.75
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,170.69	31.73
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,453.53	40.10
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,579.51	46.08
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,037.79	50.12
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,472.12	91.81
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,853.23	100.12
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,684.33	234.35
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,216.97	275.06
23 22 16 00-0035		**Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,656.13	19.11
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,694.78	25.75
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,012.94	31.73
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,183.45	40.10
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,345.55	46.08
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,731.64	50.12
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,873.19	91.81
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,410.95	100.12
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,242.05	234.35
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,774.70	275.06
23 22 16 00-0046		**High Temperature Safety Relief Valve** *(23 22 16)*		
		Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047		**Cast Iron Body Safety Valve, Steam Or Water** *(23 22 16 00-0046)*		
		Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.		
23 22 16 00-0048		**Threaded** *(23 22 16 00-0047)*		
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	531.50	19.92
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	557.12	23.57
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	615.82	29.87
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	758.38	33.19
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	970.39	40.82
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,500.21	46.47
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,626.66	53.44
23 22 16 00-0056		**Flanged** *(23 22 16 00-0047)*		
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,712.31	139.41
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,326.40	209.55
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,776.10	192.94
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,805.29	278.68
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,187.48	207.82
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,273.03	278.68
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,164.50	395.48
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,163.84	441.67
23 22 16 00-0065		**Bronze Body Safety Valve, Threaded, Steam** *(23 22 16 00-0046)*		
		Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.		
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	577.31	18.26
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	591.71	19.92
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	692.16	21.91
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	764.15	23.57
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	883.94	26.56
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	889.27	29.87
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	999.63	31.53
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,089.05	33.19

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23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,509.63	37.17
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,649.92	40.82
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,968.04	46.47
23 22 16 00-0077		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0046)*		
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	274.28	18.26
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	312.33	19.92
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	431.14	21.91
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	474.55	23.57
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	684.45	26.56
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	922.17	31.53
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,342.80	37.17
23 22 16 00-0085		**Steam Traps** *(23 22 16)*		
23 22 16 00-0086		**Inverted Bucket Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	350.94	39.84
		For Work In Restricted Working Space, Add	*23.91*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	354.26	41.50
		For Work In Restricted Working Space, Add	*24.90*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	525.18	44.23
		For Work In Restricted Working Space, Add	*26.56*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	848.47	60.36
		For Work In Restricted Working Space, Add	*36.22*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,261.67	74.38
		For Work In Restricted Working Space, Add	*44.27*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,611.50	110.68
		For Work In Restricted Working Space, Add	*66.41*	
23 22 16 00-0093		**Float And Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	370.90	41.50
		For Work In Restricted Working Space, Add	*24.90*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	487.68	44.27
		For Work In Restricted Working Space, Add	*26.56*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	603.69	60.37
		For Work In Restricted Working Space, Add	*36.22*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	882.58	73.78
		For Work In Restricted Working Space, Add	*44.27*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,489.37	110.64
		For Work In Restricted Working Space, Add	*66.41*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	471.13	41.50
		For Work In Restricted Working Space, Add	*24.90*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	511.94	44.23
		For Work In Restricted Working Space, Add	*26.56*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	669.83	60.36
		For Work In Restricted Working Space, Add	*36.22*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,042.66	73.72
		For Work In Restricted Working Space, Add	*44.27*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,637.12	110.68
		For Work In Restricted Working Space, Add	*66.41*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	610.06	41.50
		For Work In Restricted Working Space, Add	*24.90*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	679.54	44.27
		For Work In Restricted Working Space, Add	*26.56*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,033.71	60.36
		For Work In Restricted Working Space, Add	*36.22*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,243.14	73.72
		For Work In Restricted Working Space, Add	*44.27*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,053.90	110.68
		For Work In Restricted Working Space, Add	*66.41*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	618.88	41.50
		For Work In Restricted Working Space, Add	*24.90*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	679.54	44.27
		For Work In Restricted Working Space, Add	*26.56*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,033.71	60.36
		For Work In Restricted Working Space, Add	*36.22*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,243.14	73.72
		For Work In Restricted Working Space, Add	*44.27*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,053.90	110.68
		For Work In Restricted Working Space, Add	*66.41*	
23 22 16 00-0114		**Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	182.00	39.84
		For Work In Restricted Working Space, Add	*23.91*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	301.31	41.50
		For Work In Restricted Working Space, Add	*24.90*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	371.32	44.23
		For Work In Restricted Working Space, Add	*26.57*	

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23 22 16 00-0118		**Thermodynamic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	396.12	35.86
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	560.44	39.84
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	693.85	41.50
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	928.72	44.23
23 22 16 00-0123		**Steam Moisture Separator** *(23 22 16 00-0085)*		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	813.88	66.41
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	865.35	89.65
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,041.07	100.94
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,640.91	115.55
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,014.44	177.04
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,026.52	192.59
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,465.03	225.79
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	4,779.37	378.52
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	9,307.71	478.13
23 22 16 00-0133		**Steam/Condensate Meter** *(23 22 16)*		
		Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA	1" Steam/Condensate Meter	12,883.60	110.02
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	14,529.51	129.28
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	15,381.21	160.45
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	16,258.58	210.88
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	4" Steam/Condensate Meter	18,214.07	327.62
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	31,382.16	414.42
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	32,382.76	523.23
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	33,755.64	641.80
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	35,244.21	779.33
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	37,407.88	916.86
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0144	EA	16" Steam/Condensate Meter	38,655.30	1,008.55
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,163.69	622.54
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,737.41	639.66
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,866.41	682.47
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,140.32	689.81
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,503.60	750.96
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,057.59	750.96
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,151.90	802.33
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,247.45	839.02
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,318.53	875.71

23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,470.44	665.35
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,170.05	682.47
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,296.57	727.72
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,798.10	786.43
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,151.90	803.55
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,295.91	831.68
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,461.92	875.71
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,314.05	931.97

23 22 23 13-0021 40 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,759.16	763.19
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,440.24	824.34
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,003.82	814.55
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,271.23	831.68
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,387.98	867.16
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,318.53	875.71
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,418.96	931.97

23 22 23 13-0029 50 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,036.77	826.79
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,713.36	843.92
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,235.37	850.03
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,487.18	924.63
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,533.65	996.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0035		Duplex Condensate Pumps And Motors *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		20 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,518.46	835.35
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,737.04	917.30
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,062.80	924.63
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,533.12	1,007.80
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,210.54	1,007.80
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,345.23	1,086.08
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,475.18	1,133.78
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,668.17	1,190.04
23 22 23 13-0045		30 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,509.95	900.17
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,733.42	983.34
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,233.36	958.88
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,345.23	1,086.08
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,528.59	1,126.44
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,421.31	1,190.04
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,796.59	1,275.65
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,917.46	1,061.62
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,414.23	1,109.32
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,543.40	1,126.44
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,737.63	1,182.70
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,669.40	1,190.04
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,826.21	1,275.65
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,122.36	1,061.62
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,534.41	1,166.80
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,895.66	1,267.09
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,763.52	1,372.27

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	53.08	13.28
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	55.22	13.28
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	73.33	13.28
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	98.20	14.61
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	137.00	16.60
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	222.54	20.44
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	69.40	13.82
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	86.52	15.15
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	176.35	20.72
23 23 13 00-0014		**Packed** *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	312.63	30.15
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	417.61	36.92
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	508.36	41.57
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	725.14	47.42
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,208.72	132.82
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,585.27	166.02
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,252.77	221.40
23 23 13 00-0022		**Check Valves** *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	88.11	13.28
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	274.16	14.61
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	318.11	16.60
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	428.11	17.66
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	562.89	20.45
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	833.05	24.17
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,166.19	35.46
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,541.27	46.48
23 23 13 00-0031		**Solenoid Valves** *(23 23 13)*		
23 23 13 00-0032		**Solenoid Valve, 24 Volt Coil** *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	233.42	13.28
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	238.95	13.28
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	295.78	14.61
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	295.78	14.61
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	413.34	16.60
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	661.84	17.66
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,214.14	20.45
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,232.71	24.17

23 23 16 Refrigerant Piping Specialties *(23 23)*

23 23 16 00-0001 Soft Refrigeration Copper Tubing *(23 23 16)*

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0372 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	5.49	3.16
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.75	3.24
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	6.01	3.33
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	6.41	3.39
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	6.60	3.44
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	7.40	3.61
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	8.11	3.65
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.85	3.78
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	11.37	4.44
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	14.40	5.08
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	20.67	6.02
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	24.88	6.73

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0372 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.30	3.72
		For Medical Applications "Oxygen Clean", Add	*0.65*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	8.15	3.72
		For Medical Applications "Oxygen Clean", Add	*0.69*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.70	3.72
		For Medical Applications "Oxygen Clean", Add	*0.72*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	12.57	5.58
		For Medical Applications "Oxygen Clean", Add	*1.04*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	13.73	5.98
		For Medical Applications "Oxygen Clean", Add	*1.14*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.87	5.98
		For Medical Applications "Oxygen Clean", Add	*1.24*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	19.70	6.90
		For Medical Applications "Oxygen Clean", Add	*1.51*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	23.80	7.97
		For Medical Applications "Oxygen Clean", Add	*1.79*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	33.54	9.96
		For Medical Applications "Oxygen Clean", Add	*2.42*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	50.32	15.00
		For Medical Applications "Oxygen Clean", Add	*3.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	65.00	18.60
		For Medical Applications "Oxygen Clean", Add	*4.64*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	81.66	22.04
		For Medical Applications "Oxygen Clean", Add	*5.74*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	100.86	26.57
		For Medical Applications "Oxygen Clean", Add	*7.04*	
23 23 16 00-0028		**Refrigeration Fittings** *(23 23 16)*		
23 23 16 00-0029		**Brass Flare Fittings** *(23 23 16 00-0028)*		
23 23 16 00-0030		**Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0031	EA	3/8" Brass Flare Union	29.25	14.34
23 23 16 00-0032	EA	1/2" Brass Flare Union	29.25	14.34
23 23 16 00-0033	EA	5/8" Brass Flare Union	31.27	14.34
23 23 16 00-0034		**90 Degree Elbow Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	30.48	14.34
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	30.48	14.34
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	37.22	14.34
23 23 16 00-0038		**Brass Flare Tees** *(23 23 16 00-0029)*		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	47.37	23.90
23 23 16 00-0040	EA	1/2" Brass Flare Tee	50.39	23.90
23 23 16 00-0041	EA	5/8" Brass Flare Tee	66.77	23.90
23 23 16 00-0042		**Male Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	23.72	14.34
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	25.73	14.34
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	28.60	14.34
23 23 16 00-0046		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	26.31	14.34
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	29.04	14.34
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	29.04	14.34
23 23 16 00-0050		**Long Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	24.94	14.34
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	25.73	14.34
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	34.49	14.34
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	23.80	14.34
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	25.62	14.34
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	26.00	14.34
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)* Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	23.25	14.34
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	22.93	14.34
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	23.41	14.34
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	24.18	15.00
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	34.07	19.79
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	33.73	20.32
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	44.36	25.24
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	63.33	34.53
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	76.05	40.51
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	99.10	49.14
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	169.25	74.64
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	225.37	98.15
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	352.58	116.62
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	27.58	14.34
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	27.90	14.34
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	27.58	14.34
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	29.80	15.00
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	42.91	19.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	43.51	20.32
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	55.29	25.24
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	69.64	34.53
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	88.62	40.51
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	124.32	49.14
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	213.34	74.64
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	274.69	98.15
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	501.15	116.62
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	32.98	14.34
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	30.12	14.34
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	32.39	14.34
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	32.41	15.00
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	39.72	19.79
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	43.18	20.32
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	58.29	25.24
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	85.06	34.53
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	105.45	40.51
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	191.11	49.14
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	297.87	74.64
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	393.48	98.15
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	834.59	116.62
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	36.91	14.34
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	32.98	14.34
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	31.31	14.34
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	26.54	15.00
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	47.09	19.79
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	37.39	20.32
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	55.25	25.24
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	75.19	34.53
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	88.97	40.51
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	120.66	49.14
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	212.11	74.64
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	287.07	98.15
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	472.84	116.62
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)*		
		Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	48.15	23.90
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	48.84	23.90
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	46.27	23.90
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	48.80	30.15
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	68.90	30.15
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	54.72	30.54
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	88.34	40.51
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	110.89	49.14
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	144.88	58.31
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	206.16	77.70
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	435.10	169.60
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	539.14	186.47
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	938.80	207.19
23 23 16 00-0129		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	40.82	14.34
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	47.10	14.34
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	36.66	14.34
23 23 16 00-0133		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	38.35	14.34
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	34.74	14.34
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	36.11	14.34
23 23 16 00-0137		**ACR Wrought Copper Cap** *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	17.31	9.56
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	16.17	9.56
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	17.28	9.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0141		**ACR Wrought Copper P-Trap** *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	110.58	12.23
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	150.49	13.45
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	130.88	13.45
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	178.33	14.68
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	309.85	14.68
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	437.52	15.90
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	792.21	17.13
23 23 16 00-0149		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	65.43	18.35
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	79.34	22.01
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	95.75	26.90
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	105.43	30.58
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	141.84	39.14
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	164.40	47.70
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	251.70	56.26
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	311.32	77.05
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	382.40	95.40
23 23 16 00-0159		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0160		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	571.89	11.01
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	578.17	13.45
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	739.24	13.45
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	739.46	14.68
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	826.23	15.90
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	934.55	17.13
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,092.90	18.35
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,364.48	18.35
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	97.03	11.01
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	123.98	11.01
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	158.05	12.23
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	182.52	12.23
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	201.00	12.23
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	230.23	12.23
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	259.33	13.45
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	375.20	13.45
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	409.44	13.45
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	133.31	11.01
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	149.80	11.01
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	179.18	12.23
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	160.04	11.01
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	200.30	12.23
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	233.86	12.23
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	121.65	11.01
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	134.37	11.01
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	161.79	11.01
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	217.20	13.45
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	283.77	13.45
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	337.37	14.68
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	427.19	15.90
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	774.25	17.13
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	868.14	18.35
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,074.91	18.35
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	254.47	11.01
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	354.21	12.23
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	598.50	12.23
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	709.69	13.45
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	770.85	13.45

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)* Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve Note: Sporlan SEI.	620.93	15.28
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve Note: Sporlan SEI.	718.28	15.90
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve Note: Sporlan SEI.	816.19	16.51
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve Note: Sporlan SEH.	960.47	16.51
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve Note: Sporlan SEH.	1,081.11	17.13
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	67.60	15.90
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	68.63	18.35
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	88.76	23.24
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	96.03	28.13
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	113.30	34.25
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	130.96	39.14
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	186.19	14.68
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	260.83	15.90
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	325.19	15.90
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	442.42	17.13
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	750.24	18.35
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	982.11	18.35
23 23 16 00-0223		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	216.30	55.65
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	293.27	76.44
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	350.78	101.88
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	492.19	122.31
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	676.83	152.88
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	1,026.48	203.88
23 23 16 00-0230		**Special Chemicals/Component** *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	32.07	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	9.49	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	22.13	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	367.66	
23 23 23		**Refrigerants** *(23 23)*		
23 23 23 00-0001		**Refrigerant** *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	39.57	
23 23 23 00-0003	LB	R-134A Refrigerant	14.10	
23 23 23 00-0004	LB	R-404A Refrigerant	16.78	
23 23 23 00-0005	LB	R-407C Refrigerant	15.09	
23 23 23 00-0006	LB	R-408A Refrigerant	34.39	
23 23 23 00-0007	LB	R-410A Refrigerant	14.78	
23 23 23 00-0008	LB	R-500 Refrigerant	48.35	
23 23 23 00-0009	LB	R-507 Refrigerant	9.41	
23 23 23 00-0010	LB	R-32 Refrigerant	19.72	
23 23 23 00-0011	LB	R-452A Refrigerant	22.06	
23 23 23 00-0012	LB	R-453A Refrigerant	25.67	
23 23 23 00-0013	LB	R-454A Refrigerant	35.10	
23 23 23 00-0014	LB	R-454B Refrigerant	28.14	
23 25		**HVAC Water Treatment** *(23 20)*		
23 25 13		**Water Treatment for Closed-Loop Hydronic Systems** *(23 25)*		
23 25 13 00-0001		**Polyethylene Chemical Storage Tanks** *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	481.21	102.14
23 25 13 00-0003		**Gas Chlorinator** *(23 25 13)*		
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,279.54	464.70
		For Booster Pump, Add	*513.66*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,461.96	531.08
		For Booster Pump, Add	*587.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,980.11	402.29
		For Booster Pump, Add	*711.73*	

23 25 13 00-0007 Bypass Shot Feeders *(23 25 13)*

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

23 25 13 00-0008 In Line Mount, 125 PSIG *(23 25 13 00-0007)*

23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,194.70	346.13

23 25 13 00-0010 Floor Mount, 175 PSIG *(23 25 13 00-0007)*

23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,762.11	521.03
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,324.75	689.81

23 25 13 00-0013 Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*

23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,762.11	521.03
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,324.75	689.81

23 25 13 00-0016 Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*

23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,146.82	521.03
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,724.22	689.81

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.906 Lbs./SF; 24 gauge - 1.156 Lbs./SF; 22 gauge - 1.406 Lbs./SF; 20 gauge - 1.656 Lbs./SF; 18 gauge - 2.156 Lbs./SF; 16 gauge - 2.656 Lbs./SF

23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	13.78	3.67
		For Polyvinyl Chloride (PVC) Coated, Add	*0.50*	
		For Up To 200, Add	*4.88*	
		For >200 To 500, Add	*3.11*	
		For >500 To 1,000, Add	*2.10*	
		For >1,000 To 2,000, Add	*1.18*	
		For >2,000 To 5,000, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.38*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.35*	
		For Elevated Installation >20' To 25', Add	*1.69*	
		For Elevated Installation >25' To 30', Add	*2.37*	
		For Elevated Installation >30' To 35', Add	*2.71*	
		For Elevated Installation >35' To 40', Add	*3.38*	
		For Elevated Installation >40', Add	*3.72*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	15.72	3.67
		For Polyvinyl Chloride (PVC) Coated, Add	*0.55*	
		For Up To 200, Add	*5.54*	
		For >200 To 500, Add	*3.52*	
		For >500 To 1,000, Add	*2.39*	
		For >1,000 To 2,000, Add	*1.34*	
		For >2,000 To 5,000, Add	*0.60*	
		For Work In Restricted Working Space, Add	*3.89*	
		For Elevated Installation >10' To 15', Add	*0.78*	
		For Elevated Installation >15' To 20', Add	*1.56*	
		For Elevated Installation >20' To 25', Add	*1.95*	
		For Elevated Installation >25' To 30', Add	*2.72*	
		For Elevated Installation >30' To 35', Add	*3.11*	
		For Elevated Installation >35' To 40', Add	*3.89*	
		For Elevated Installation >40', Add	*4.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	18.78	3.67
		For Polyvinyl Chloride (PVC) Coated, Add	*0.60*	
		For Up To 200, Add	*6.53*	
		For >200 To 500, Add	*4.13*	
		For >500 To 1,000, Add	*2.84*	
		For >1,000 To 2,000, Add	*1.59*	
		For >2,000 To 5,000, Add	*0.72*	
		For Work In Restricted Working Space, Add	*4.74*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.89*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.32*	
		For Elevated Installation >30' To 35', Add	*3.79*	
		For Elevated Installation >35' To 40', Add	*4.74*	
		For Elevated Installation >40', Add	*5.21*	
23 31 13 13-0006		**Alloy 3003-H14, Aluminum Sheet Metal Ductwork** *(23 31 13 13-0001)* Note: SMACNA weight for aluminum ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.224 Lbs./SF; 24 gauge - 0.282 Lbs./SF; 22 gauge - 0.352 Lbs./SF; 20 gauge - 0.451 Lbs./SF; 18 gauge - 0.563 Lbs./SF; 16 gauge - 0.718 Lbs./SF; 14 gauge – 0.901 Lbs./SF; 12 gauge – 0.141 Lbs./SF		
23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	26.90	3.67
		For Work In Restricted Working Space, Add	*6.69*	
		For Up To 200, Add	*9.45*	
		For >200 To 500, Add	*5.99*	
		For >500 To 1,000, Add	*4.09*	
		For >1,000 To 2,000, Add	*2.29*	
		For >2,000 To 5,000, Add	*1.03*	
		For Elevated Installation >10' To 15', Add	*1.34*	
		For Elevated Installation >15' To 20', Add	*2.67*	
		For Elevated Installation >20' To 25', Add	*3.34*	
		For Elevated Installation >25' To 30', Add	*4.68*	
		For Elevated Installation >30' To 35', Add	*5.35*	
		For Elevated Installation >35' To 40', Add	*6.69*	
		For Elevated Installation >40', Add	*7.36*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	30.49	3.67
		For Work In Restricted Working Space, Add	*7.69*	
		For Up To 200, Add	*10.61*	
		For >200 To 500, Add	*6.70*	
		For >500 To 1,000, Add	*4.61*	
		For >1,000 To 2,000, Add	*2.59*	
		For >2,000 To 5,000, Add	*1.17*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.84*	
		For Elevated Installation >25' To 30', Add	*5.38*	
		For Elevated Installation >30' To 35', Add	*6.15*	
		For Elevated Installation >35' To 40', Add	*7.69*	
		For Elevated Installation >40', Add	*8.46*	
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	36.31	3.67
		For Work In Restricted Working Space, Add	*9.36*	
		For Up To 200, Add	*12.43*	
		For >200 To 500, Add	*7.81*	
		For >500 To 1,000, Add	*5.44*	
		For >1,000 To 2,000, Add	*3.06*	
		For >2,000 To 5,000, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.74*	
		For Elevated Installation >20' To 25', Add	*4.68*	
		For Elevated Installation >25' To 30', Add	*6.55*	
		For Elevated Installation >30' To 35', Add	*7.49*	
		For Elevated Installation >35' To 40', Add	*9.36*	
		For Elevated Installation >40', Add	*10.30*	
23 31 13 13-0010		**Type 304, Stainless Steel Sheet Metal Ductwork** *(23 31 13 13-0001)* Note: SMACNA weight for stainless steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.748 Lbs./SF; 24 gauge - 0.987 Lbs./SF; 22 gauge – 1.231 Lbs./SF; 20 gauge - 1.491 Lbs./SF; 18 gauge - 2.016 Lbs./SF; 16 gauge - 2.499 Lbs./SF; 14 gauge – 3.154 Lbs./SF; Lbs./SF; gauge – 4.427 Lbs./SF		
23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork	19.90	4.88
		For Work In Restricted Working Space, Add	*4.11*	
		For Welded Seams, Add	*7.16*	
		For Up To 200, Add	*7.83*	
		For >200 To 500, Add	*5.13*	
		For >500 To 1,000, Add	*3.22*	
		For >1,000 To 2,000, Add	*1.78*	
		For >2,000 To 5,000, Add	*0.73*	
		For Elevated Installation >10' To 15', Add	*0.82*	
		For Elevated Installation >15' To 20', Add	*1.64*	
		For Elevated Installation >20' To 25', Add	*2.06*	
		For Elevated Installation >25' To 30', Add	*2.88*	
		For Elevated Installation >30' To 35', Add	*3.29*	
		For Elevated Installation >35' To 40', Add	*4.11*	
		For Elevated Installation >40', Add	*4.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork	22.97	4.88
		For Work In Restricted Working Space, Add	*4.96*	
		For Welded Seams, Add	*8.58*	
		For Up To 200, Add	*8.83*	
		For >200 To 500, Add	*5.75*	
		For >500 To 1,000, Add	*3.67*	
		For >1,000 To 2,000, Add	*2.03*	
		For >2,000 To 5,000, Add	*0.85*	
		For Elevated Installation >10' To 15', Add	*0.99*	
		For Elevated Installation >15' To 20', Add	*1.98*	
		For Elevated Installation >20' To 25', Add	*2.48*	
		For Elevated Installation >25' To 30', Add	*3.47*	
		For Elevated Installation >30' To 35', Add	*3.96*	
		For Elevated Installation >35' To 40', Add	*4.96*	
		For Elevated Installation >40', Add	*5.45*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork	25.87	4.88
		For Work In Restricted Working Space, Add	*5.75*	
		For Welded Seams, Add	*9.92*	
		For Up To 200, Add	*9.77*	
		For >200 To 500, Add	*6.33*	
		For >500 To 1,000, Add	*4.09*	
		For >1,000 To 2,000, Add	*2.27*	
		For >2,000 To 5,000, Add	*0.97*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.60*	
		For Elevated Installation >35' To 40', Add	*5.75*	
		For Elevated Installation >40', Add	*6.33*	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	14.71	7.53
		For Seal Class B, Add	*1.88*	
		For Seal Class A, Add	*4.02*	
		For Work In Restricted Working Space, Add	*3.77*	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	18.36	9.41
		For Seal Class B, Add	*2.35*	
		For Seal Class A, Add	*5.02*	
		For Work In Restricted Working Space, Add	*4.71*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	22.05	11.30
		For Seal Class B, Add	*2.82*	
		For Seal Class A, Add	*6.03*	
		For Work In Restricted Working Space, Add	*5.65*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.71	13.18
		For Seal Class B, Add	*3.29*	
		For Seal Class A, Add	*7.03*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.41	15.06
		For Seal Class B, Add	*3.77*	
		For Seal Class A, Add	*8.04*	
		For Work In Restricted Working Space, Add	*7.53*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.06	16.95
		For Seal Class B, Add	*4.24*	
		For Seal Class A, Add	*9.04*	
		For Work In Restricted Working Space, Add	*8.47*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.74	18.83
		For Seal Class B, Add	*4.71*	
		For Seal Class A, Add	*10.04*	
		For Work In Restricted Working Space, Add	*9.42*	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	22.05	11.30
		For Seal Class B, Add	*2.82*	
		For Seal Class A, Add	*6.03*	
		For Work In Restricted Working Space, Add	*5.65*	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.71	13.18
		For Seal Class B, Add	*3.29*	
		For Seal Class A, Add	*7.03*	
		For Work In Restricted Working Space, Add	*6.59*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.41	15.06
		For Seal Class B, Add	*3.77*	
		For Seal Class A, Add	*8.04*	
		For Work In Restricted Working Space, Add	*7.53*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.06	16.95
		For Seal Class B, Add	*4.24*	
		For Seal Class A, Add	*9.04*	
		For Work In Restricted Working Space, Add	*8.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.74	18.83
		For Seal Class B, Add	*4.71*	
		For Seal Class A, Add	*10.04*	
		For Work In Restricted Working Space, Add	*9.42*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.42	20.72
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.05*	
		For Work In Restricted Working Space, Add	*10.36*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.41	15.06
		For Seal Class B, Add	*3.77*	
		For Seal Class A, Add	*8.04*	
		For Work In Restricted Working Space, Add	*7.53*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.06	16.95
		For Seal Class B, Add	*4.24*	
		For Seal Class A, Add	*9.04*	
		For Work In Restricted Working Space, Add	*8.47*	
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.74	18.83
		For Seal Class B, Add	*4.71*	
		For Seal Class A, Add	*10.04*	
		For Work In Restricted Working Space, Add	*9.42*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.42	20.72
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.05*	
		For Work In Restricted Working Space, Add	*10.36*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.08	22.59
		For Seal Class B, Add	*5.65*	
		For Seal Class A, Add	*12.05*	
		For Work In Restricted Working Space, Add	*11.30*	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.77	24.48
		For Seal Class B, Add	*6.12*	
		For Seal Class A, Add	*13.06*	
		For Work In Restricted Working Space, Add	*12.24*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.43	26.37
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*14.06*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.11	28.24
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.06*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.78	30.13
		For Seal Class B, Add	*7.53*	
		For Seal Class A, Add	*16.07*	
		For Work In Restricted Working Space, Add	*15.06*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.74	18.83
		For Seal Class B, Add	*4.71*	
		For Seal Class A, Add	*10.04*	
		For Work In Restricted Working Space, Add	*9.42*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.42	20.72
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.05*	
		For Work In Restricted Working Space, Add	*10.36*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.08	22.59
		For Seal Class B, Add	*5.65*	
		For Seal Class A, Add	*12.05*	
		For Work In Restricted Working Space, Add	*11.30*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.77	24.48
		For Seal Class B, Add	*6.12*	
		For Seal Class A, Add	*13.06*	
		For Work In Restricted Working Space, Add	*12.24*	
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.43	26.37
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*14.06*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.11	28.24
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.06*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.78	30.13
		For Seal Class B, Add	*7.53*	
		For Seal Class A, Add	*16.07*	
		For Work In Restricted Working Space, Add	*15.06*	
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.48	32.02
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.08*	
		For Work In Restricted Working Space, Add	*16.01*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.08	22.59
		For Seal Class B, Add	*5.65*	
		For Seal Class A, Add	*12.05*	
		For Work In Restricted Working Space, Add	*11.30*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.77	24.48
		For Seal Class B, Add	*6.12*	
		For Seal Class A, Add	*13.06*	
		For Work In Restricted Working Space, Add	*12.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.43	26.37
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*14.06*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.11	28.24
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.06*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.78	30.13
		For Seal Class B, Add	*7.53*	
		For Seal Class A, Add	*16.07*	
		For Work In Restricted Working Space, Add	*15.06*	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.48	32.02
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.08*	
		For Work In Restricted Working Space, Add	*16.01*	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.14	33.89
		For Seal Class B, Add	*8.48*	
		For Seal Class A, Add	*18.08*	
		For Work In Restricted Working Space, Add	*16.95*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.43	26.37
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*14.06*	
		For Work In Restricted Working Space, Add	*13.18*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.11	28.24
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.06*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.78	30.13
		For Seal Class B, Add	*7.53*	
		For Seal Class A, Add	*16.07*	
		For Work In Restricted Working Space, Add	*15.06*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.48	32.02
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.08*	
		For Work In Restricted Working Space, Add	*16.01*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.14	33.89
		For Seal Class B, Add	*8.48*	
		For Seal Class A, Add	*18.08*	
		For Work In Restricted Working Space, Add	*16.95*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.82	35.78
		For Seal Class B, Add	*8.94*	
		For Seal Class A, Add	*19.08*	
		For Work In Restricted Working Space, Add	*17.89*	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.78	30.13
		For Seal Class B, Add	*7.53*	
		For Seal Class A, Add	*16.07*	
		For Work In Restricted Working Space, Add	*15.06*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.48	32.02
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.08*	
		For Work In Restricted Working Space, Add	*16.01*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.14	33.89
		For Seal Class B, Add	*8.48*	
		For Seal Class A, Add	*18.08*	
		For Work In Restricted Working Space, Add	*16.95*	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.82	35.78
		For Seal Class B, Add	*8.94*	
		For Seal Class A, Add	*19.08*	
		For Work In Restricted Working Space, Add	*17.89*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.49	37.66
		For Seal Class B, Add	*9.42*	
		For Seal Class A, Add	*20.09*	
		For Work In Restricted Working Space, Add	*18.83*	
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.14	33.89
		For Seal Class B, Add	*8.48*	
		For Seal Class A, Add	*18.08*	
		For Work In Restricted Working Space, Add	*16.95*	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.82	35.78
		For Seal Class B, Add	*8.94*	
		For Seal Class A, Add	*19.08*	
		For Work In Restricted Working Space, Add	*17.89*	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.49	37.66
		For Seal Class B, Add	*9.42*	
		For Seal Class A, Add	*20.09*	
		For Work In Restricted Working Space, Add	*18.83*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.14	39.55
		For Seal Class B, Add	*9.89*	
		For Seal Class A, Add	*21.09*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.49	37.66
		For Seal Class B, Add	*9.42*	
		For Seal Class A, Add	*20.09*	
		For Work In Restricted Working Space, Add	*18.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.14	39.55
		For Seal Class B, Add	*9.89*	
		For Seal Class A, Add	*21.09*	
		For Work In Restricted Working Space, Add	*19.77*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.84	41.42
		For Seal Class B, Add	*10.36*	
		For Seal Class A, Add	*22.10*	
		For Work In Restricted Working Space, Add	*20.72*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.84	41.42
		For Seal Class B, Add	*10.36*	
		For Seal Class A, Add	*22.10*	
		For Work In Restricted Working Space, Add	*20.72*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.50	43.31
		For Seal Class B, Add	*10.83*	
		For Seal Class A, Add	*23.10*	
		For Work In Restricted Working Space, Add	*21.65*	
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.20	45.20
		For Seal Class B, Add	*11.30*	
		For Seal Class A, Add	*24.11*	
		For Work In Restricted Working Space, Add	*22.60*	

23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	17.50	8.97
		For Seal Class B, Add	*2.24*	
		For Seal Class A, Add	*4.79*	
		For Work In Restricted Working Space, Add	*4.49*	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.88	11.21
		For Seal Class B, Add	*2.80*	
		For Seal Class A, Add	*5.98*	
		For Work In Restricted Working Space, Add	*5.60*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.25	13.45
		For Seal Class B, Add	*3.36*	
		For Seal Class A, Add	*7.17*	
		For Work In Restricted Working Space, Add	*6.73*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.60	15.69
		For Seal Class B, Add	*3.92*	
		For Seal Class A, Add	*8.37*	
		For Work In Restricted Working Space, Add	*7.85*	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.00	17.94
		For Seal Class B, Add	*4.48*	
		For Seal Class A, Add	*9.56*	
		For Work In Restricted Working Space, Add	*8.97*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.37	20.17
		For Seal Class B, Add	*5.04*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.74	22.42
		For Seal Class B, Add	*5.61*	
		For Seal Class A, Add	*11.96*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.25	13.45
		For Seal Class B, Add	*3.36*	
		For Seal Class A, Add	*7.17*	
		For Work In Restricted Working Space, Add	*6.73*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.60	15.69
		For Seal Class B, Add	*3.92*	
		For Seal Class A, Add	*8.37*	
		For Work In Restricted Working Space, Add	*7.85*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.00	17.94
		For Seal Class B, Add	*4.48*	
		For Seal Class A, Add	*9.56*	
		For Work In Restricted Working Space, Add	*8.97*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.37	20.17
		For Seal Class B, Add	*5.04*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.74	22.42
		For Seal Class B, Add	*5.61*	
		For Seal Class A, Add	*11.96*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.13	24.66
		For Seal Class B, Add	*6.17*	
		For Seal Class A, Add	*13.16*	
		For Work In Restricted Working Space, Add	*12.33*	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.00	17.94
		For Seal Class B, Add	*4.48*	
		For Seal Class A, Add	*9.56*	
		For Work In Restricted Working Space, Add	*8.97*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.37	20.17
		For Seal Class B, Add	*5.04*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.74	22.42
		For Seal Class B, Add	*5.61*	
		For Seal Class A, Add	*11.96*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.13	24.66
		For Seal Class B, Add	*6.17*	
		For Seal Class A, Add	*13.16*	
		For Work In Restricted Working Space, Add	*12.33*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.49	26.90
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.45*	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.85	29.14
		For Seal Class B, Add	*7.29*	
		For Seal Class A, Add	*15.54*	
		For Work In Restricted Working Space, Add	*14.57*	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.25	31.39
		For Seal Class B, Add	*7.85*	
		For Seal Class A, Add	*16.74*	
		For Work In Restricted Working Space, Add	*15.69*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.60	33.63
		For Seal Class B, Add	*8.41*	
		For Seal Class A, Add	*17.93*	
		For Work In Restricted Working Space, Add	*16.81*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.00	35.87
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.13*	
		For Work In Restricted Working Space, Add	*17.93*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.74	22.42
		For Seal Class B, Add	*5.61*	
		For Seal Class A, Add	*11.96*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.13	24.66
		For Seal Class B, Add	*6.17*	
		For Seal Class A, Add	*13.16*	
		For Work In Restricted Working Space, Add	*12.33*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.49	26.90
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.45*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.85	29.14
		For Seal Class B, Add	*7.29*	
		For Seal Class A, Add	*15.54*	
		For Work In Restricted Working Space, Add	*14.57*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.25	31.39
		For Seal Class B, Add	*7.85*	
		For Seal Class A, Add	*16.74*	
		For Work In Restricted Working Space, Add	*15.69*	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.60	33.63
		For Seal Class B, Add	*8.41*	
		For Seal Class A, Add	*17.93*	
		For Work In Restricted Working Space, Add	*16.81*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.00	35.87
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.13*	
		For Work In Restricted Working Space, Add	*17.93*	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.38	38.12
		For Seal Class B, Add	*9.53*	
		For Seal Class A, Add	*20.33*	
		For Work In Restricted Working Space, Add	*19.06*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.49	26.90
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.45*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.85	29.14
		For Seal Class B, Add	*7.29*	
		For Seal Class A, Add	*15.54*	
		For Work In Restricted Working Space, Add	*14.57*	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.25	31.39
		For Seal Class B, Add	*7.85*	
		For Seal Class A, Add	*16.74*	
		For Work In Restricted Working Space, Add	*15.69*	
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.60	33.63
		For Seal Class B, Add	*8.41*	
		For Seal Class A, Add	*17.93*	
		For Work In Restricted Working Space, Add	*16.81*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.00	35.87
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.13*	
		For Work In Restricted Working Space, Add	*17.93*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.38	38.12
		For Seal Class B, Add	*9.53*	
		For Seal Class A, Add	*20.33*	
		For Work In Restricted Working Space, Add	*19.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.74	40.35
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.52*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.25	31.39
		For Seal Class B, Add	*7.85*	
		For Seal Class A, Add	*16.74*	
		For Work In Restricted Working Space, Add	*15.69*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.60	33.63
		For Seal Class B, Add	*8.41*	
		For Seal Class A, Add	*17.93*	
		For Work In Restricted Working Space, Add	*16.81*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.00	35.87
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.13*	
		For Work In Restricted Working Space, Add	*17.93*	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.38	38.12
		For Seal Class B, Add	*9.53*	
		For Seal Class A, Add	*20.33*	
		For Work In Restricted Working Space, Add	*19.06*	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.74	40.35
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.52*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.13	42.60
		For Seal Class B, Add	*10.65*	
		For Seal Class A, Add	*22.72*	
		For Work In Restricted Working Space, Add	*21.30*	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.00	35.87
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.13*	
		For Work In Restricted Working Space, Add	*17.93*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.38	38.12
		For Seal Class B, Add	*9.53*	
		For Seal Class A, Add	*20.33*	
		For Work In Restricted Working Space, Add	*19.06*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.74	40.35
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.52*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.13	42.60
		For Seal Class B, Add	*10.65*	
		For Seal Class A, Add	*22.72*	
		For Work In Restricted Working Space, Add	*21.30*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.49	44.84
		For Seal Class B, Add	*11.21*	
		For Seal Class A, Add	*23.91*	
		For Work In Restricted Working Space, Add	*22.42*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.74	40.35
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.52*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.13	42.60
		For Seal Class B, Add	*10.65*	
		For Seal Class A, Add	*22.72*	
		For Work In Restricted Working Space, Add	*21.30*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.49	44.84
		For Seal Class B, Add	*11.21*	
		For Seal Class A, Add	*23.91*	
		For Work In Restricted Working Space, Add	*22.42*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.85	47.08
		For Seal Class B, Add	*11.77*	
		For Seal Class A, Add	*25.11*	
		For Work In Restricted Working Space, Add	*23.54*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.49	44.84
		For Seal Class B, Add	*11.21*	
		For Seal Class A, Add	*23.91*	
		For Work In Restricted Working Space, Add	*22.42*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.85	47.08
		For Seal Class B, Add	*11.77*	
		For Seal Class A, Add	*25.11*	
		For Work In Restricted Working Space, Add	*23.54*	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.24	49.32
		For Seal Class B, Add	*12.33*	
		For Seal Class A, Add	*26.30*	
		For Work In Restricted Working Space, Add	*24.66*	
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.24	49.32
		For Seal Class B, Add	*12.33*	
		For Seal Class A, Add	*26.30*	
		For Work In Restricted Working Space, Add	*24.66*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.60	51.56
		For Seal Class B, Add	*12.89*	
		For Seal Class A, Add	*27.50*	
		For Work In Restricted Working Space, Add	*25.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.98	53.81
		For Seal Class B, Add	*13.45*	
		For Seal Class A, Add	*28.70*	
		For Work In Restricted Working Space, Add	*26.90*	
23 31 13 13-0133		**26 Gauge Galvanized Steel Metal Ductwork** *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.30	10.40
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*5.55*	
		For Work In Restricted Working Space, Add	*5.20*	
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.37	13.00
		For Seal Class B, Add	*3.25*	
		For Seal Class A, Add	*6.93*	
		For Work In Restricted Working Space, Add	*6.50*	
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.45	15.61
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
		For Work In Restricted Working Space, Add	*7.80*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.52	18.21
		For Seal Class B, Add	*4.55*	
		For Seal Class A, Add	*9.71*	
		For Work In Restricted Working Space, Add	*9.10*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.59	20.81
		For Seal Class B, Add	*5.20*	
		For Seal Class A, Add	*11.09*	
		For Work In Restricted Working Space, Add	*10.40*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.66	23.40
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.48*	
		For Work In Restricted Working Space, Add	*11.70*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.74	26.01
		For Seal Class B, Add	*6.50*	
		For Seal Class A, Add	*13.87*	
		For Work In Restricted Working Space, Add	*13.01*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.45	15.61
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
		For Work In Restricted Working Space, Add	*7.80*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.52	18.21
		For Seal Class B, Add	*4.55*	
		For Seal Class A, Add	*9.71*	
		For Work In Restricted Working Space, Add	*9.10*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.59	20.81
		For Seal Class B, Add	*5.20*	
		For Seal Class A, Add	*11.09*	
		For Work In Restricted Working Space, Add	*10.40*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.66	23.40
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.48*	
		For Work In Restricted Working Space, Add	*11.70*	
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.74	26.01
		For Seal Class B, Add	*6.50*	
		For Seal Class A, Add	*13.87*	
		For Work In Restricted Working Space, Add	*13.01*	
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.84	28.61
		For Seal Class B, Add	*7.15*	
		For Seal Class A, Add	*15.26*	
		For Work In Restricted Working Space, Add	*14.31*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.59	20.81
		For Seal Class B, Add	*5.20*	
		For Seal Class A, Add	*11.09*	
		For Work In Restricted Working Space, Add	*10.40*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.66	23.40
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.48*	
		For Work In Restricted Working Space, Add	*11.70*	
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.75	26.01
		For Seal Class B, Add	*6.50*	
		For Seal Class A, Add	*13.87*	
		For Work In Restricted Working Space, Add	*13.01*	
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.84	28.61
		For Seal Class B, Add	*7.15*	
		For Seal Class A, Add	*15.26*	
		For Work In Restricted Working Space, Add	*14.31*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.90	31.21
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.65*	
		For Work In Restricted Working Space, Add	*15.61*	
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.97	33.81
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*18.03*	
		For Work In Restricted Working Space, Add	*16.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.04	36.41
		For Seal Class B, Add	*9.10*	
		For Seal Class A, Add	*19.42*	
		For Work In Restricted Working Space, Add	*18.21*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.13	39.00
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.81*	
		For Work In Restricted Working Space, Add	*19.51*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.19	41.60
		For Seal Class B, Add	*10.40*	
		For Seal Class A, Add	*22.19*	
		For Work In Restricted Working Space, Add	*20.81*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.75	26.01
		For Seal Class B, Add	*6.50*	
		For Seal Class A, Add	*13.87*	
		For Work In Restricted Working Space, Add	*13.01*	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.83	28.61
		For Seal Class B, Add	*7.15*	
		For Seal Class A, Add	*15.26*	
		For Work In Restricted Working Space, Add	*14.31*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.90	31.21
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.65*	
		For Work In Restricted Working Space, Add	*15.61*	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.97	33.81
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*18.03*	
		For Work In Restricted Working Space, Add	*16.91*	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.04	36.41
		For Seal Class B, Add	*9.10*	
		For Seal Class A, Add	*19.42*	
		For Work In Restricted Working Space, Add	*18.21*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.13	39.00
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.81*	
		For Work In Restricted Working Space, Add	*19.51*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.19	41.60
		For Seal Class B, Add	*10.40*	
		For Seal Class A, Add	*22.19*	
		For Work In Restricted Working Space, Add	*20.81*	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.27	44.22
		For Seal Class B, Add	*11.05*	
		For Seal Class A, Add	*23.58*	
		For Work In Restricted Working Space, Add	*22.11*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.90	31.21
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.65*	
		For Work In Restricted Working Space, Add	*15.61*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.97	33.81
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*18.03*	
		For Work In Restricted Working Space, Add	*16.91*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.04	36.41
		For Seal Class B, Add	*9.10*	
		For Seal Class A, Add	*19.42*	
		For Work In Restricted Working Space, Add	*18.21*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.13	39.00
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.81*	
		For Work In Restricted Working Space, Add	*19.51*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.19	41.60
		For Seal Class B, Add	*10.40*	
		For Seal Class A, Add	*22.19*	
		For Work In Restricted Working Space, Add	*20.81*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.27	44.22
		For Seal Class B, Add	*11.05*	
		For Seal Class A, Add	*23.58*	
		For Work In Restricted Working Space, Add	*22.11*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.34	46.82
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.97*	
		For Work In Restricted Working Space, Add	*23.41*	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.04	36.41
		For Seal Class B, Add	*9.10*	
		For Seal Class A, Add	*19.42*	
		For Work In Restricted Working Space, Add	*18.21*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.13	39.00
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.81*	
		For Work In Restricted Working Space, Add	*19.51*	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.19	41.60
		For Seal Class B, Add	*10.40*	
		For Seal Class A, Add	*22.19*	
		For Work In Restricted Working Space, Add	*20.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.27	44.22
		For Seal Class B, Add	*11.05*	
		For Seal Class A, Add	*23.58*	
		For Work In Restricted Working Space, Add	*22.11*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.34	46.82
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.97*	
		For Work In Restricted Working Space, Add	*23.41*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.43	49.42
		For Seal Class B, Add	*12.35*	
		For Seal Class A, Add	*26.36*	
		For Work In Restricted Working Space, Add	*24.71*	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.19	41.60
		For Seal Class B, Add	*10.40*	
		For Seal Class A, Add	*22.19*	
		For Work In Restricted Working Space, Add	*20.81*	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.27	44.22
		For Seal Class B, Add	*11.05*	
		For Seal Class A, Add	*23.58*	
		For Work In Restricted Working Space, Add	*22.11*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.34	46.82
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.97*	
		For Work In Restricted Working Space, Add	*23.41*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.43	49.42
		For Seal Class B, Add	*12.35*	
		For Seal Class A, Add	*26.36*	
		For Work In Restricted Working Space, Add	*24.71*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.49	52.02
		For Seal Class B, Add	*13.00*	
		For Seal Class A, Add	*27.74*	
		For Work In Restricted Working Space, Add	*26.01*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.34	46.82
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.97*	
		For Work In Restricted Working Space, Add	*23.41*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.43	49.42
		For Seal Class B, Add	*12.35*	
		For Seal Class A, Add	*26.36*	
		For Work In Restricted Working Space, Add	*24.71*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.49	52.02
		For Seal Class B, Add	*13.00*	
		For Seal Class A, Add	*27.74*	
		For Work In Restricted Working Space, Add	*26.01*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.56	54.61
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.13*	
		For Work In Restricted Working Space, Add	*27.31*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.49	52.02
		For Seal Class B, Add	*13.00*	
		For Seal Class A, Add	*27.74*	
		For Work In Restricted Working Space, Add	*26.01*	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.56	54.61
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.13*	
		For Work In Restricted Working Space, Add	*27.31*	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.63	57.21
		For Seal Class B, Add	*14.30*	
		For Seal Class A, Add	*30.52*	
		For Work In Restricted Working Space, Add	*28.61*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.63	57.21
		For Seal Class B, Add	*14.30*	
		For Seal Class A, Add	*30.52*	
		For Work In Restricted Working Space, Add	*28.61*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.72	59.81
		For Seal Class B, Add	*14.95*	
		For Seal Class A, Add	*31.90*	
		For Work In Restricted Working Space, Add	*29.91*	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.80	62.42
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.29*	
		For Work In Restricted Working Space, Add	*31.21*	
23 31 13 13-0192		24 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.69	16.14
		For Seal Class B, Add	*4.04*	
		For Seal Class A, Add	*8.61*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.36	20.17
		For Seal Class B, Add	*5.05*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.03	24.21
		For Seal Class B, Add	*6.05*	
		For Seal Class A, Add	*12.92*	
		For Work In Restricted Working Space, Add	*12.11*	
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.69	28.26
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.07*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.36	32.30
		For Seal Class B, Add	*8.07*	
		For Seal Class A, Add	*17.22*	
		For Work In Restricted Working Space, Add	*16.14*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.04	36.33
		For Seal Class B, Add	*9.08*	
		For Seal Class A, Add	*19.37*	
		For Work In Restricted Working Space, Add	*18.16*	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.71	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.03	24.21
		For Seal Class B, Add	*6.05*	
		For Seal Class A, Add	*12.92*	
		For Work In Restricted Working Space, Add	*12.11*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.69	28.26
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.07*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.36	32.30
		For Seal Class B, Add	*8.07*	
		For Seal Class A, Add	*17.22*	
		For Work In Restricted Working Space, Add	*16.14*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.04	36.33
		For Seal Class B, Add	*9.08*	
		For Seal Class A, Add	*19.37*	
		For Work In Restricted Working Space, Add	*18.16*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.71	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.39	44.40
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*23.68*	
		For Work In Restricted Working Space, Add	*22.20*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.36	32.30
		For Seal Class B, Add	*8.07*	
		For Seal Class A, Add	*17.22*	
		For Work In Restricted Working Space, Add	*16.14*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.04	36.33
		For Seal Class B, Add	*9.08*	
		For Seal Class A, Add	*19.37*	
		For Work In Restricted Working Space, Add	*18.16*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.71	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.39	44.40
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*23.68*	
		For Work In Restricted Working Space, Add	*22.20*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.05	48.43
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.83*	
		For Work In Restricted Working Space, Add	*24.22*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.72	52.47
		For Seal Class B, Add	*13.12*	
		For Seal Class A, Add	*27.98*	
		For Work In Restricted Working Space, Add	*26.24*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.39	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.06	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.73	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.71	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.39	44.40
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*23.68*	
		For Work In Restricted Working Space, Add	*22.20*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.05	48.43
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.83*	
		For Work In Restricted Working Space, Add	*24.22*	
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.72	52.47
		For Seal Class B, Add	*13.12*	
		For Seal Class A, Add	*27.98*	
		For Work In Restricted Working Space, Add	*26.24*	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.39	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.06	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.73	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.40	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.08	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.75	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.42	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.05	48.43
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.83*	
		For Work In Restricted Working Space, Add	*24.22*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.72	52.47
		For Seal Class B, Add	*13.12*	
		For Seal Class A, Add	*27.98*	
		For Work In Restricted Working Space, Add	*26.24*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.39	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.06	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.73	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.40	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.08	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.75	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.42	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.08	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.39	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.06	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.73	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.40	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.08	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.75	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.42	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.08	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.75	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.73	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.40	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.08	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.75	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.42	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.08	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.75	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.43	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.08	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.75	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.42	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.08	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.75	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.43	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.11	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.42	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.08	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.75	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.43	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.11	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.77	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.75	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.43	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.11	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.77	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.44	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.11	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.77	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.44	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.11	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.44	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.11	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.78	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.78	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.45	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	230.14	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0281		22 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.50	16.14
		For Seal Class B, Add	*4.04*	
		For Seal Class A, Add	*8.61*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.38	20.17
		For Seal Class B, Add	*5.05*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.25	24.21
		For Seal Class B, Add	*6.05*	
		For Seal Class A, Add	*12.92*	
		For Work In Restricted Working Space, Add	*12.11*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.12	28.26
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.07*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.00	32.30
		For Seal Class B, Add	*8.07*	
		For Seal Class A, Add	*17.22*	
		For Work In Restricted Working Space, Add	*16.14*	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.88	36.33
		For Seal Class B, Add	*9.08*	
		For Seal Class A, Add	*19.37*	
		For Work In Restricted Working Space, Add	*18.16*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.75	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.25	24.21
		For Seal Class B, Add	*6.05*	
		For Seal Class A, Add	*12.92*	
		For Work In Restricted Working Space, Add	*12.11*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.12	28.26
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*15.07*	
		For Work In Restricted Working Space, Add	*14.12*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.00	32.30
		For Seal Class B, Add	*8.07*	
		For Seal Class A, Add	*17.22*	
		For Work In Restricted Working Space, Add	*16.14*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.88	36.33
		For Seal Class B, Add	*9.08*	
		For Seal Class A, Add	*19.37*	
		For Work In Restricted Working Space, Add	*18.16*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.75	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.63	44.40
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*23.68*	
		For Work In Restricted Working Space, Add	*22.20*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.00	32.30
		For Seal Class B, Add	*8.07*	
		For Seal Class A, Add	*17.22*	
		For Work In Restricted Working Space, Add	*16.14*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.88	36.33
		For Seal Class B, Add	*9.08*	
		For Seal Class A, Add	*19.37*	
		For Work In Restricted Working Space, Add	*18.16*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.75	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.63	44.40
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*23.68*	
		For Work In Restricted Working Space, Add	*22.20*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.50	48.43
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.83*	
		For Work In Restricted Working Space, Add	*24.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.38	52.47
		For Seal Class B, Add	*13.12*	
		For Seal Class A, Add	*27.98*	
		For Work In Restricted Working Space, Add	*26.24*	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.25	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.13	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.99	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.75	40.36
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.63	44.40
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*23.68*	
		For Work In Restricted Working Space, Add	*22.20*	
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.50	48.43
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.83*	
		For Work In Restricted Working Space, Add	*24.22*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.38	52.47
		For Seal Class B, Add	*13.12*	
		For Seal Class A, Add	*27.98*	
		For Work In Restricted Working Space, Add	*26.24*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.25	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.13	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.99	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.87	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.75	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.63	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.51	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.37	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.50	48.43
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.83*	
		For Work In Restricted Working Space, Add	*24.22*	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.38	52.47
		For Seal Class B, Add	*13.12*	
		For Seal Class A, Add	*27.98*	
		For Work In Restricted Working Space, Add	*26.24*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.25	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.13	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.99	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.87	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.75	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.63	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.51	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.37	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.24	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.12	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.01	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.25	56.51
		For Seal Class B, Add	*14.13*	
		For Seal Class A, Add	*30.13*	
		For Work In Restricted Working Space, Add	*28.25*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.13	60.54
		For Seal Class B, Add	*15.14*	
		For Seal Class A, Add	*32.29*	
		For Work In Restricted Working Space, Add	*30.27*	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.99	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.87	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.75	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.63	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.51	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.37	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.24	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.12	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.01	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.88	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.99	64.57
		For Seal Class B, Add	*16.14*	
		For Seal Class A, Add	*34.44*	
		For Work In Restricted Working Space, Add	*32.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.87	68.61
		For Seal Class B, Add	*17.15*	
		For Seal Class A, Add	*36.59*	
		For Work In Restricted Working Space, Add	*34.31*	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.75	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.63	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.51	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.37	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.24	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.12	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.01	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.88	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.75	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.63	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.49	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.37	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.75	72.64
		For Seal Class B, Add	*18.16*	
		For Seal Class A, Add	*38.75*	
		For Work In Restricted Working Space, Add	*36.32*	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.63	76.68
		For Seal Class B, Add	*19.17*	
		For Seal Class A, Add	*40.90*	
		For Work In Restricted Working Space, Add	*38.34*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.51	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.37	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.24	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.12	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.01	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.88	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.75	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.63	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.49	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.37	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.13	125.11
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*66.73*	
		For Work In Restricted Working Space, Add	*62.56*	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.51	80.72
		For Seal Class B, Add	*20.18*	
		For Seal Class A, Add	*43.05*	
		For Work In Restricted Working Space, Add	*40.36*	
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.37	84.77
		For Seal Class B, Add	*21.19*	
		For Seal Class A, Add	*45.20*	
		For Work In Restricted Working Space, Add	*42.38*	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.24	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.12	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.01	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.88	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.75	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.63	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.49	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.37	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.13	125.11
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*66.73*	
		For Work In Restricted Working Space, Add	*62.56*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.88	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.24	88.79
		For Seal Class B, Add	*22.20*	
		For Seal Class A, Add	*47.35*	
		For Work In Restricted Working Space, Add	*44.39*	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.12	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.41*	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.01	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.88	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.75	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.63	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.49	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.37	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.13	125.11
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*66.73*	
		For Work In Restricted Working Space, Add	*62.56*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.88	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.62	141.25
		For Seal Class B, Add	*35.31*	
		For Seal Class A, Add	*75.34*	
		For Work In Restricted Working Space, Add	*70.63*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.01	96.87
		For Seal Class B, Add	*24.22*	
		For Seal Class A, Add	*51.66*	
		For Work In Restricted Working Space, Add	*48.44*	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.88	100.90
		For Seal Class B, Add	*25.23*	
		For Seal Class A, Add	*53.81*	
		For Work In Restricted Working Space, Add	*50.45*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.75	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.63	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.49	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.37	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.13	125.11
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*66.73*	
		For Work In Restricted Working Space, Add	*62.56*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.88	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.62	141.25
		For Seal Class B, Add	*35.31*	
		For Seal Class A, Add	*75.34*	
		For Work In Restricted Working Space, Add	*70.63*	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.49	145.30
		For Seal Class B, Add	*36.32*	
		For Seal Class A, Add	*77.49*	
		For Work In Restricted Working Space, Add	*72.65*	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.75	104.94
		For Seal Class B, Add	*26.23*	
		For Seal Class A, Add	*55.96*	
		For Work In Restricted Working Space, Add	*52.47*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.63	108.98
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*58.12*	
		For Work In Restricted Working Space, Add	*54.49*	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.49	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.37	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.13	125.11
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*66.73*	
		For Work In Restricted Working Space, Add	*62.56*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.88	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.62	141.25
		For Seal Class B, Add	*35.31*	
		For Seal Class A, Add	*75.34*	
		For Work In Restricted Working Space, Add	*70.63*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.49	145.30
		For Seal Class B, Add	*36.32*	
		For Seal Class A, Add	*77.49*	
		For Work In Restricted Working Space, Add	*72.65*	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.38	149.34
		For Seal Class B, Add	*37.33*	
		For Seal Class A, Add	*79.64*	
		For Work In Restricted Working Space, Add	*74.67*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.49	113.00
		For Seal Class B, Add	*28.25*	
		For Seal Class A, Add	*60.27*	
		For Work In Restricted Working Space, Add	*56.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.37	117.04
		For Seal Class B, Add	*29.26*	
		For Seal Class A, Add	*62.42*	
		For Work In Restricted Working Space, Add	*58.52*	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.13	125.11
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*66.73*	
		For Work In Restricted Working Space, Add	*62.56*	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.88	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.62	141.25
		For Seal Class B, Add	*35.31*	
		For Seal Class A, Add	*75.34*	
		For Work In Restricted Working Space, Add	*70.63*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.49	145.30
		For Seal Class B, Add	*36.32*	
		For Seal Class A, Add	*77.49*	
		For Work In Restricted Working Space, Add	*72.65*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.38	149.34
		For Seal Class B, Add	*37.33*	
		For Seal Class A, Add	*79.64*	
		For Work In Restricted Working Space, Add	*74.67*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.26	153.37
		For Seal Class B, Add	*38.34*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.26	121.08
		For Seal Class B, Add	*30.27*	
		For Seal Class A, Add	*64.58*	
		For Work In Restricted Working Space, Add	*60.54*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.13	125.11
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*66.73*	
		For Work In Restricted Working Space, Add	*62.56*	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.88	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.62	141.25
		For Seal Class B, Add	*35.31*	
		For Seal Class A, Add	*75.34*	
		For Work In Restricted Working Space, Add	*70.63*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.49	145.30
		For Seal Class B, Add	*36.32*	
		For Seal Class A, Add	*77.49*	
		For Work In Restricted Working Space, Add	*72.65*	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.38	149.34
		For Seal Class B, Add	*37.33*	
		For Seal Class A, Add	*79.64*	
		For Work In Restricted Working Space, Add	*74.67*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.26	153.37
		For Seal Class B, Add	*38.34*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.13	157.41
		For Seal Class B, Add	*39.35*	
		For Seal Class A, Add	*83.95*	
		For Work In Restricted Working Space, Add	*78.70*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.00	129.15
		For Seal Class B, Add	*32.29*	
		For Seal Class A, Add	*68.88*	
		For Work In Restricted Working Space, Add	*64.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.88	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.62	141.25
		For Seal Class B, Add	*35.31*	
		For Seal Class A, Add	*75.34*	
		For Work In Restricted Working Space, Add	*70.63*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.49	145.30
		For Seal Class B, Add	*36.32*	
		For Seal Class A, Add	*77.49*	
		For Work In Restricted Working Space, Add	*72.65*	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.38	149.34
		For Seal Class B, Add	*37.33*	
		For Seal Class A, Add	*79.64*	
		For Work In Restricted Working Space, Add	*74.67*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.26	153.37
		For Seal Class B, Add	*38.34*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.13	157.41
		For Seal Class B, Add	*39.35*	
		For Seal Class A, Add	*83.95*	
		For Work In Restricted Working Space, Add	*78.70*	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.99	161.45
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.75	137.24
		For Seal Class B, Add	*34.31*	
		For Seal Class A, Add	*73.19*	
		For Work In Restricted Working Space, Add	*68.61*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.62	141.25
		For Seal Class B, Add	*35.31*	
		For Seal Class A, Add	*75.34*	
		For Work In Restricted Working Space, Add	*70.63*	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.49	145.30
		For Seal Class B, Add	*36.32*	
		For Seal Class A, Add	*77.49*	
		For Work In Restricted Working Space, Add	*72.65*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.38	149.34
		For Seal Class B, Add	*37.33*	
		For Seal Class A, Add	*79.64*	
		For Work In Restricted Working Space, Add	*74.67*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.26	153.37
		For Seal Class B, Add	*38.34*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.13	157.41
		For Seal Class B, Add	*39.35*	
		For Seal Class A, Add	*83.95*	
		For Work In Restricted Working Space, Add	*78.70*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.99	161.45
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.87	165.47
		For Seal Class B, Add	*41.37*	
		For Seal Class A, Add	*88.25*	
		For Work In Restricted Working Space, Add	*82.74*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.49	145.30
		For Seal Class B, Add	*36.32*	
		For Seal Class A, Add	*77.49*	
		For Work In Restricted Working Space, Add	*72.65*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.38	149.34
		For Seal Class B, Add	*37.33*	
		For Seal Class A, Add	*79.64*	
		For Work In Restricted Working Space, Add	*74.67*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.26	153.37
		For Seal Class B, Add	*38.34*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.13	157.41
		For Seal Class B, Add	*39.35*	
		For Seal Class A, Add	*83.95*	
		For Work In Restricted Working Space, Add	*78.70*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.99	161.45
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.87	165.47
		For Seal Class B, Add	*41.37*	
		For Seal Class A, Add	*88.25*	
		For Work In Restricted Working Space, Add	*82.74*	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.75	169.51
		For Seal Class B, Add	*42.38*	
		For Seal Class A, Add	*90.41*	
		For Work In Restricted Working Space, Add	*84.76*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.26	153.37
		For Seal Class B, Add	*38.34*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.13	157.41
		For Seal Class B, Add	*39.35*	
		For Seal Class A, Add	*83.95*	
		For Work In Restricted Working Space, Add	*78.70*	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.99	161.45
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.87	165.47
		For Seal Class B, Add	*41.37*	
		For Seal Class A, Add	*88.25*	
		For Work In Restricted Working Space, Add	*82.74*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.75	169.51
		For Seal Class B, Add	*42.38*	
		For Seal Class A, Add	*90.41*	
		For Work In Restricted Working Space, Add	*84.76*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.63	173.55
		For Seal Class B, Add	*43.39*	
		For Seal Class A, Add	*92.56*	
		For Work In Restricted Working Space, Add	*86.78*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	346.51	177.58
		For Seal Class B, Add	*44.40*	
		For Seal Class A, Add	*94.71*	
		For Work In Restricted Working Space, Add	*88.79*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.99	161.45
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.87	165.47
		For Seal Class B, Add	*41.37*	
		For Seal Class A, Add	*88.25*	
		For Work In Restricted Working Space, Add	*82.74*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.75	169.51
		For Seal Class B, Add	*42.38*	
		For Seal Class A, Add	*90.41*	
		For Work In Restricted Working Space, Add	*84.76*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.63	173.55
		For Seal Class B, Add	*43.39*	
		For Seal Class A, Add	*92.56*	
		For Work In Restricted Working Space, Add	*86.78*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	346.51	177.58
		For Seal Class B, Add	*44.40*	
		For Seal Class A, Add	*94.71*	
		For Work In Restricted Working Space, Add	*88.79*	
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	354.38	181.62
		For Seal Class B, Add	*45.41*	
		For Seal Class A, Add	*96.86*	
		For Work In Restricted Working Space, Add	*90.81*	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.25	185.66
		For Seal Class B, Add	*46.41*	
		For Seal Class A, Add	*99.02*	
		For Work In Restricted Working Space, Add	*92.83*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.12	189.68
		For Seal Class B, Add	*47.42*	
		For Seal Class A, Add	*101.17*	
		For Work In Restricted Working Space, Add	*94.85*	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.75	169.51
		For Seal Class B, Add	*42.38*	
		For Seal Class A, Add	*90.41*	
		For Work In Restricted Working Space, Add	*84.76*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.63	173.55
		For Seal Class B, Add	*43.39*	
		For Seal Class A, Add	*92.56*	
		For Work In Restricted Working Space, Add	*86.78*	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	346.51	177.58
		For Seal Class B, Add	*44.40*	
		For Seal Class A, Add	*94.71*	
		For Work In Restricted Working Space, Add	*88.79*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	354.38	181.62
		For Seal Class B, Add	*45.41*	
		For Seal Class A, Add	*96.86*	
		For Work In Restricted Working Space, Add	*90.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.25	185.66
		For Seal Class B, Add	*46.41*	
		For Seal Class A, Add	*99.02*	
		For Work In Restricted Working Space, Add	*92.83*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.12	189.68
		For Seal Class B, Add	*47.42*	
		For Seal Class A, Add	*101.17*	
		For Work In Restricted Working Space, Add	*94.85*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.00	193.72
		For Seal Class B, Add	*48.43*	
		For Seal Class A, Add	*103.32*	
		For Work In Restricted Working Space, Add	*96.86*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	346.51	177.58
		For Seal Class B, Add	*44.40*	
		For Seal Class A, Add	*94.71*	
		For Work In Restricted Working Space, Add	*88.79*	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	354.38	181.62
		For Seal Class B, Add	*45.41*	
		For Seal Class A, Add	*96.86*	
		For Work In Restricted Working Space, Add	*90.81*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.25	185.66
		For Seal Class B, Add	*46.41*	
		For Seal Class A, Add	*99.02*	
		For Work In Restricted Working Space, Add	*92.83*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.12	189.68
		For Seal Class B, Add	*47.42*	
		For Seal Class A, Add	*101.17*	
		For Work In Restricted Working Space, Add	*94.85*	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.00	193.72
		For Seal Class B, Add	*48.43*	
		For Seal Class A, Add	*103.32*	
		For Work In Restricted Working Space, Add	*96.86*	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	385.87	197.76
		For Seal Class B, Add	*49.44*	
		For Seal Class A, Add	*105.47*	
		For Work In Restricted Working Space, Add	*98.88*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.25	185.66
		For Seal Class B, Add	*46.41*	
		For Seal Class A, Add	*99.02*	
		For Work In Restricted Working Space, Add	*92.83*	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.12	189.68
		For Seal Class B, Add	*47.42*	
		For Seal Class A, Add	*101.17*	
		For Work In Restricted Working Space, Add	*94.85*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.00	193.72
		For Seal Class B, Add	*48.43*	
		For Seal Class A, Add	*103.32*	
		For Work In Restricted Working Space, Add	*96.86*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	385.87	197.76
		For Seal Class B, Add	*49.44*	
		For Seal Class A, Add	*105.47*	
		For Work In Restricted Working Space, Add	*98.88*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	393.76	201.81
		For Seal Class B, Add	*50.45*	
		For Seal Class A, Add	*107.63*	
		For Work In Restricted Working Space, Add	*100.90*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.00	193.72
		For Seal Class B, Add	*48.43*	
		For Seal Class A, Add	*103.32*	
		For Work In Restricted Working Space, Add	*96.86*	
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	385.87	197.76
		For Seal Class B, Add	*49.44*	
		For Seal Class A, Add	*105.47*	
		For Work In Restricted Working Space, Add	*98.88*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	393.76	201.81
		For Seal Class B, Add	*50.45*	
		For Seal Class A, Add	*107.63*	
		For Work In Restricted Working Space, Add	*100.90*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	401.63	205.84
		For Seal Class B, Add	*51.46*	
		For Seal Class A, Add	*109.78*	
		For Work In Restricted Working Space, Add	*102.92*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	393.76	201.81
		For Seal Class B, Add	*50.45*	
		For Seal Class A, Add	*107.63*	
		For Work In Restricted Working Space, Add	*100.90*	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	401.63	205.84
		For Seal Class B, Add	*51.46*	
		For Seal Class A, Add	*109.78*	
		For Work In Restricted Working Space, Add	*102.92*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.50	209.88
		For Seal Class B, Add	*52.47*	
		For Seal Class A, Add	*111.93*	
		For Work In Restricted Working Space, Add	*104.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.50	209.88
		For Seal Class B, Add	*52.47*	
		For Seal Class A, Add	*111.93*	
		For Work In Restricted Working Space, Add	*104.94*	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.38	213.91
		For Seal Class B, Add	*53.48*	
		For Seal Class A, Add	*114.09*	
		For Work In Restricted Working Space, Add	*106.96*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	425.24	217.94
		For Seal Class B, Add	*54.48*	
		For Seal Class A, Add	*116.23*	
		For Work In Restricted Working Space, Add	*108.97*	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.09	19.01
		For Seal Class B, Add	*4.75*	
		For Seal Class A, Add	*10.14*	
		For Work In Restricted Working Space, Add	*9.51*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.38	23.77
		For Seal Class B, Add	*5.94*	
		For Seal Class A, Add	*12.68*	
		For Work In Restricted Working Space, Add	*11.89*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.65	28.52
		For Seal Class B, Add	*7.13*	
		For Seal Class A, Add	*15.21*	
		For Work In Restricted Working Space, Add	*14.26*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.92	33.27
		For Seal Class B, Add	*8.32*	
		For Seal Class A, Add	*17.75*	
		For Work In Restricted Working Space, Add	*16.64*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.20	38.03
		For Seal Class B, Add	*9.51*	
		For Seal Class A, Add	*20.28*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.48	42.78
		For Seal Class B, Add	*10.70*	
		For Seal Class A, Add	*22.82*	
		For Work In Restricted Working Space, Add	*21.39*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.76	47.53
		For Seal Class B, Add	*11.89*	
		For Seal Class A, Add	*25.36*	
		For Work In Restricted Working Space, Add	*23.77*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.65	28.52
		For Seal Class B, Add	*7.13*	
		For Seal Class A, Add	*15.21*	
		For Work In Restricted Working Space, Add	*14.26*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.92	33.27
		For Seal Class B, Add	*8.32*	
		For Seal Class A, Add	*17.75*	
		For Work In Restricted Working Space, Add	*16.64*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.20	38.03
		For Seal Class B, Add	*9.51*	
		For Seal Class A, Add	*20.28*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.48	42.78
		For Seal Class B, Add	*10.70*	
		For Seal Class A, Add	*22.82*	
		For Work In Restricted Working Space, Add	*21.39*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.76	47.53
		For Seal Class B, Add	*11.89*	
		For Seal Class A, Add	*25.36*	
		For Work In Restricted Working Space, Add	*23.77*	
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.03	52.29
		For Seal Class B, Add	*13.07*	
		For Seal Class A, Add	*27.89*	
		For Work In Restricted Working Space, Add	*26.15*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.20	38.03
		For Seal Class B, Add	*9.51*	
		For Seal Class A, Add	*20.28*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.48	42.78
		For Seal Class B, Add	*10.70*	
		For Seal Class A, Add	*22.82*	
		For Work In Restricted Working Space, Add	*21.39*	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.76	47.53
		For Seal Class B, Add	*11.89*	
		For Seal Class A, Add	*25.36*	
		For Work In Restricted Working Space, Add	*23.77*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.03	52.29
		For Seal Class B, Add	*13.07*	
		For Seal Class A, Add	*27.89*	
		For Work In Restricted Working Space, Add	*26.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.30	57.04
		For Seal Class B, Add	*14.26*	
		For Seal Class A, Add	*30.43*	
		For Work In Restricted Working Space, Add	*28.52*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.57	61.79
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.96*	
		For Work In Restricted Working Space, Add	*30.90*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.86	66.55
		For Seal Class B, Add	*16.64*	
		For Seal Class A, Add	*35.49*	
		For Work In Restricted Working Space, Add	*33.28*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.12	71.30
		For Seal Class B, Add	*17.83*	
		For Seal Class A, Add	*38.03*	
		For Work In Restricted Working Space, Add	*35.65*	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.40	76.06
		For Seal Class B, Add	*19.01*	
		For Seal Class A, Add	*40.56*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.76	47.53
		For Seal Class B, Add	*11.89*	
		For Seal Class A, Add	*25.36*	
		For Work In Restricted Working Space, Add	*23.77*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.03	52.29
		For Seal Class B, Add	*13.07*	
		For Seal Class A, Add	*27.89*	
		For Work In Restricted Working Space, Add	*26.15*	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.30	57.04
		For Seal Class B, Add	*14.26*	
		For Seal Class A, Add	*30.43*	
		For Work In Restricted Working Space, Add	*28.52*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.57	61.79
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.96*	
		For Work In Restricted Working Space, Add	*30.90*	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.86	66.55
		For Seal Class B, Add	*16.64*	
		For Seal Class A, Add	*35.49*	
		For Work In Restricted Working Space, Add	*33.28*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.12	71.30
		For Seal Class B, Add	*17.83*	
		For Seal Class A, Add	*38.03*	
		For Work In Restricted Working Space, Add	*35.65*	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.40	76.06
		For Seal Class B, Add	*19.01*	
		For Seal Class A, Add	*40.56*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.70	80.81
		For Seal Class B, Add	*20.20*	
		For Seal Class A, Add	*43.10*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.95	85.57
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.78*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.24	90.32
		For Seal Class B, Add	*22.58*	
		For Seal Class A, Add	*48.17*	
		For Work In Restricted Working Space, Add	*45.16*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.49	95.08
		For Seal Class B, Add	*23.77*	
		For Seal Class A, Add	*50.70*	
		For Work In Restricted Working Space, Add	*47.54*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.77	99.82
		For Seal Class B, Add	*24.96*	
		For Seal Class A, Add	*53.24*	
		For Work In Restricted Working Space, Add	*49.91*	
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.30	57.04
		For Seal Class B, Add	*14.26*	
		For Seal Class A, Add	*30.43*	
		For Work In Restricted Working Space, Add	*28.52*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.57	61.79
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.96*	
		For Work In Restricted Working Space, Add	*30.90*	
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.86	66.55
		For Seal Class B, Add	*16.64*	
		For Seal Class A, Add	*35.49*	
		For Work In Restricted Working Space, Add	*33.28*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.12	71.30
		For Seal Class B, Add	*17.83*	
		For Seal Class A, Add	*38.03*	
		For Work In Restricted Working Space, Add	*35.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.40	76.06
		For Seal Class B, Add	*19.01*	
		For Seal Class A, Add	*40.56*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.70	80.81
		For Seal Class B, Add	*20.20*	
		For Seal Class A, Add	*43.10*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.95	85.57
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.78*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.24	90.32
		For Seal Class B, Add	*22.58*	
		For Seal Class A, Add	*48.17*	
		For Work In Restricted Working Space, Add	*45.16*	
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.49	95.08
		For Seal Class B, Add	*23.77*	
		For Seal Class A, Add	*50.70*	
		For Work In Restricted Working Space, Add	*47.54*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.77	99.82
		For Seal Class B, Add	*24.96*	
		For Seal Class A, Add	*53.24*	
		For Work In Restricted Working Space, Add	*49.91*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.07	104.59
		For Seal Class B, Add	*26.15*	
		For Seal Class A, Add	*55.78*	
		For Work In Restricted Working Space, Add	*52.29*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.32	109.33
		For Seal Class B, Add	*27.33*	
		For Seal Class A, Add	*58.31*	
		For Work In Restricted Working Space, Add	*54.67*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.62	114.09
		For Seal Class B, Add	*28.52*	
		For Seal Class A, Add	*60.85*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.86	66.55
		For Seal Class B, Add	*16.64*	
		For Seal Class A, Add	*35.49*	
		For Work In Restricted Working Space, Add	*33.28*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.12	71.30
		For Seal Class B, Add	*17.83*	
		For Seal Class A, Add	*38.03*	
		For Work In Restricted Working Space, Add	*35.65*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.40	76.06
		For Seal Class B, Add	*19.01*	
		For Seal Class A, Add	*40.56*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.70	80.81
		For Seal Class B, Add	*20.20*	
		For Seal Class A, Add	*43.10*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.95	85.57
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.78*	
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.24	90.32
		For Seal Class B, Add	*22.58*	
		For Seal Class A, Add	*48.17*	
		For Work In Restricted Working Space, Add	*45.16*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.49	95.08
		For Seal Class B, Add	*23.77*	
		For Seal Class A, Add	*50.70*	
		For Work In Restricted Working Space, Add	*47.54*	
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.77	99.82
		For Seal Class B, Add	*24.96*	
		For Seal Class A, Add	*53.24*	
		For Work In Restricted Working Space, Add	*49.91*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.07	104.59
		For Seal Class B, Add	*26.15*	
		For Seal Class A, Add	*55.78*	
		For Work In Restricted Working Space, Add	*52.29*	
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.32	109.33
		For Seal Class B, Add	*27.33*	
		For Seal Class A, Add	*58.31*	
		For Work In Restricted Working Space, Add	*54.67*	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.62	114.09
		For Seal Class B, Add	*28.52*	
		For Seal Class A, Add	*60.85*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.87	118.84
		For Seal Class B, Add	*29.71*	
		For Seal Class A, Add	*63.38*	
		For Work In Restricted Working Space, Add	*59.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.40	76.06
		For Seal Class B, Add	*19.01*	
		For Seal Class A, Add	*40.56*	
		For Work In Restricted Working Space, Add	*38.03*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.70	80.81
		For Seal Class B, Add	*20.20*	
		For Seal Class A, Add	*43.10*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.95	85.57
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.78*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.24	90.32
		For Seal Class B, Add	*22.58*	
		For Seal Class A, Add	*48.17*	
		For Work In Restricted Working Space, Add	*45.16*	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.49	95.08
		For Seal Class B, Add	*23.77*	
		For Seal Class A, Add	*50.70*	
		For Work In Restricted Working Space, Add	*47.54*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.77	99.82
		For Seal Class B, Add	*24.96*	
		For Seal Class A, Add	*53.24*	
		For Work In Restricted Working Space, Add	*49.91*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.07	104.59
		For Seal Class B, Add	*26.15*	
		For Seal Class A, Add	*55.78*	
		For Work In Restricted Working Space, Add	*52.29*	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.32	109.33
		For Seal Class B, Add	*27.33*	
		For Seal Class A, Add	*58.31*	
		For Work In Restricted Working Space, Add	*54.67*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.62	114.09
		For Seal Class B, Add	*28.52*	
		For Seal Class A, Add	*60.85*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.87	118.84
		For Seal Class B, Add	*29.71*	
		For Seal Class A, Add	*63.38*	
		For Work In Restricted Working Space, Add	*59.42*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.15	123.60
		For Seal Class B, Add	*30.90*	
		For Seal Class A, Add	*65.92*	
		For Work In Restricted Working Space, Add	*61.80*	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.44	128.34
		For Seal Class B, Add	*32.09*	
		For Seal Class A, Add	*68.45*	
		For Work In Restricted Working Space, Add	*64.17*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.69	133.11
		For Seal Class B, Add	*33.27*	
		For Seal Class A, Add	*70.99*	
		For Work In Restricted Working Space, Add	*66.55*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.99	137.85
		For Seal Class B, Add	*34.46*	
		For Seal Class A, Add	*73.52*	
		For Work In Restricted Working Space, Add	*68.93*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.95	85.57
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.78*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	176.24	90.32
		For Seal Class B, Add	*22.58*	
		For Seal Class A, Add	*48.17*	
		For Work In Restricted Working Space, Add	*45.16*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.49	95.08
		For Seal Class B, Add	*23.77*	
		For Seal Class A, Add	*50.70*	
		For Work In Restricted Working Space, Add	*47.54*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.77	99.82
		For Seal Class B, Add	*24.96*	
		For Seal Class A, Add	*53.24*	
		For Work In Restricted Working Space, Add	*49.91*	
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.07	104.59
		For Seal Class B, Add	*26.15*	
		For Seal Class A, Add	*55.78*	
		For Work In Restricted Working Space, Add	*52.29*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.32	109.33
		For Seal Class B, Add	*27.33*	
		For Seal Class A, Add	*58.31*	
		For Work In Restricted Working Space, Add	*54.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.62	114.09
		For Seal Class B, Add	*28.52*	
		For Seal Class A, Add	*60.85*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.87	118.84
		For Seal Class B, Add	*29.71*	
		For Seal Class A, Add	*63.38*	
		For Work In Restricted Working Space, Add	*59.42*	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.15	123.60
		For Seal Class B, Add	*30.90*	
		For Seal Class A, Add	*65.92*	
		For Work In Restricted Working Space, Add	*61.80*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.44	128.34
		For Seal Class B, Add	*32.09*	
		For Seal Class A, Add	*68.45*	
		For Work In Restricted Working Space, Add	*64.17*	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.69	133.11
		For Seal Class B, Add	*33.27*	
		For Seal Class A, Add	*70.99*	
		For Work In Restricted Working Space, Add	*66.55*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.99	137.85
		For Seal Class B, Add	*34.46*	
		For Seal Class A, Add	*73.52*	
		For Work In Restricted Working Space, Add	*68.93*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.53	147.36
		For Seal Class B, Add	*36.84*	
		For Seal Class A, Add	*78.60*	
		For Work In Restricted Working Space, Add	*73.68*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.49	95.08
		For Seal Class B, Add	*23.77*	
		For Seal Class A, Add	*50.70*	
		For Work In Restricted Working Space, Add	*47.54*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.77	99.82
		For Seal Class B, Add	*24.96*	
		For Seal Class A, Add	*53.24*	
		For Work In Restricted Working Space, Add	*49.91*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.07	104.59
		For Seal Class B, Add	*26.15*	
		For Seal Class A, Add	*55.78*	
		For Work In Restricted Working Space, Add	*52.29*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.32	109.33
		For Seal Class B, Add	*27.33*	
		For Seal Class A, Add	*58.31*	
		For Work In Restricted Working Space, Add	*54.67*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.62	114.09
		For Seal Class B, Add	*28.52*	
		For Seal Class A, Add	*60.85*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.87	118.84
		For Seal Class B, Add	*29.71*	
		For Seal Class A, Add	*63.38*	
		For Work In Restricted Working Space, Add	*59.42*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.15	123.60
		For Seal Class B, Add	*30.90*	
		For Seal Class A, Add	*65.92*	
		For Work In Restricted Working Space, Add	*61.80*	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.44	128.34
		For Seal Class B, Add	*32.09*	
		For Seal Class A, Add	*68.45*	
		For Work In Restricted Working Space, Add	*64.17*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.69	133.11
		For Seal Class B, Add	*33.27*	
		For Seal Class A, Add	*70.99*	
		For Work In Restricted Working Space, Add	*66.55*	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.99	137.85
		For Seal Class B, Add	*34.46*	
		For Seal Class A, Add	*73.52*	
		For Work In Restricted Working Space, Add	*68.93*	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.53	147.36
		For Seal Class B, Add	*36.84*	
		For Seal Class A, Add	*78.60*	
		For Work In Restricted Working Space, Add	*73.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.07	156.86
		For Seal Class B, Add	*39.22*	
		For Seal Class A, Add	*83.66*	
		For Work In Restricted Working Space, Add	*78.44*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.07	104.59
		For Seal Class B, Add	*26.15*	
		For Seal Class A, Add	*55.78*	
		For Work In Restricted Working Space, Add	*52.29*	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.32	109.33
		For Seal Class B, Add	*27.33*	
		For Seal Class A, Add	*58.31*	
		For Work In Restricted Working Space, Add	*54.67*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.62	114.09
		For Seal Class B, Add	*28.52*	
		For Seal Class A, Add	*60.85*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.87	118.84
		For Seal Class B, Add	*29.71*	
		For Seal Class A, Add	*63.38*	
		For Work In Restricted Working Space, Add	*59.42*	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.15	123.60
		For Seal Class B, Add	*30.90*	
		For Seal Class A, Add	*65.92*	
		For Work In Restricted Working Space, Add	*61.80*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.44	128.34
		For Seal Class B, Add	*32.09*	
		For Seal Class A, Add	*68.45*	
		For Work In Restricted Working Space, Add	*64.17*	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.69	133.11
		For Seal Class B, Add	*33.27*	
		For Seal Class A, Add	*70.99*	
		For Work In Restricted Working Space, Add	*66.55*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.99	137.85
		For Seal Class B, Add	*34.46*	
		For Seal Class A, Add	*73.52*	
		For Work In Restricted Working Space, Add	*68.93*	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.53	147.36
		For Seal Class B, Add	*36.84*	
		For Seal Class A, Add	*78.60*	
		For Work In Restricted Working Space, Add	*73.68*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.07	156.86
		For Seal Class B, Add	*39.22*	
		For Seal Class A, Add	*83.66*	
		For Work In Restricted Working Space, Add	*78.44*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.64	166.37
		For Seal Class B, Add	*41.59*	
		For Seal Class A, Add	*88.73*	
		For Work In Restricted Working Space, Add	*83.19*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.62	114.09
		For Seal Class B, Add	*28.52*	
		For Seal Class A, Add	*60.85*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.87	118.84
		For Seal Class B, Add	*29.71*	
		For Seal Class A, Add	*63.38*	
		For Work In Restricted Working Space, Add	*59.42*	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.15	123.60
		For Seal Class B, Add	*30.90*	
		For Seal Class A, Add	*65.92*	
		For Work In Restricted Working Space, Add	*61.80*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.44	128.34
		For Seal Class B, Add	*32.09*	
		For Seal Class A, Add	*68.45*	
		For Work In Restricted Working Space, Add	*64.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.69	133.11
		For Seal Class B, Add	*33.27*	
		For Seal Class A, Add	*70.99*	
		For Work In Restricted Working Space, Add	*66.55*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.99	137.85
		For Seal Class B, Add	*34.46*	
		For Seal Class A, Add	*73.52*	
		For Work In Restricted Working Space, Add	*68.93*	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.53	147.36
		For Seal Class B, Add	*36.84*	
		For Seal Class A, Add	*78.60*	
		For Work In Restricted Working Space, Add	*73.68*	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.07	156.86
		For Seal Class B, Add	*39.22*	
		For Seal Class A, Add	*83.66*	
		For Work In Restricted Working Space, Add	*78.44*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.64	166.37
		For Seal Class B, Add	*41.59*	
		For Seal Class A, Add	*88.73*	
		For Work In Restricted Working Space, Add	*83.19*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.91	171.13
		For Seal Class B, Add	*42.78*	
		For Seal Class A, Add	*91.27*	
		For Work In Restricted Working Space, Add	*85.57*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.15	123.60
		For Seal Class B, Add	*30.90*	
		For Seal Class A, Add	*65.92*	
		For Work In Restricted Working Space, Add	*61.80*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.44	128.34
		For Seal Class B, Add	*32.09*	
		For Seal Class A, Add	*68.45*	
		For Work In Restricted Working Space, Add	*64.17*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.69	133.11
		For Seal Class B, Add	*33.27*	
		For Seal Class A, Add	*70.99*	
		For Work In Restricted Working Space, Add	*66.55*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.99	137.85
		For Seal Class B, Add	*34.46*	
		For Seal Class A, Add	*73.52*	
		For Work In Restricted Working Space, Add	*68.93*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.53	147.36
		For Seal Class B, Add	*36.84*	
		For Seal Class A, Add	*78.60*	
		For Work In Restricted Working Space, Add	*73.68*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.07	156.86
		For Seal Class B, Add	*39.22*	
		For Seal Class A, Add	*83.66*	
		For Work In Restricted Working Space, Add	*78.44*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.64	166.37
		For Seal Class B, Add	*41.59*	
		For Seal Class A, Add	*88.73*	
		For Work In Restricted Working Space, Add	*83.19*	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.91	171.13
		For Seal Class B, Add	*42.78*	
		For Seal Class A, Add	*91.27*	
		For Work In Restricted Working Space, Add	*85.57*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.19	175.89
		For Seal Class B, Add	*43.97*	
		For Seal Class A, Add	*93.80*	
		For Work In Restricted Working Space, Add	*87.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.69	133.11
		For Seal Class B, Add	*33.27*	
		For Seal Class A, Add	*70.99*	
		For Work In Restricted Working Space, Add	*66.55*	
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.99	137.85
		For Seal Class B, Add	*34.46*	
		For Seal Class A, Add	*73.52*	
		For Work In Restricted Working Space, Add	*68.93*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.53	147.36
		For Seal Class B, Add	*36.84*	
		For Seal Class A, Add	*78.60*	
		For Work In Restricted Working Space, Add	*73.68*	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.07	156.86
		For Seal Class B, Add	*39.22*	
		For Seal Class A, Add	*83.66*	
		For Work In Restricted Working Space, Add	*78.44*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.64	166.37
		For Seal Class B, Add	*41.59*	
		For Seal Class A, Add	*88.73*	
		For Work In Restricted Working Space, Add	*83.19*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.91	171.13
		For Seal Class B, Add	*42.78*	
		For Seal Class A, Add	*91.27*	
		For Work In Restricted Working Space, Add	*85.57*	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.19	175.89
		For Seal Class B, Add	*43.97*	
		For Seal Class A, Add	*93.80*	
		For Work In Restricted Working Space, Add	*87.94*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.45	180.64
		For Seal Class B, Add	*45.16*	
		For Seal Class A, Add	*96.34*	
		For Work In Restricted Working Space, Add	*90.32*	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.28	142.61
		For Seal Class B, Add	*35.65*	
		For Seal Class A, Add	*76.06*	
		For Work In Restricted Working Space, Add	*71.31*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.53	147.36
		For Seal Class B, Add	*36.84*	
		For Seal Class A, Add	*78.60*	
		For Work In Restricted Working Space, Add	*73.68*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.07	156.86
		For Seal Class B, Add	*39.22*	
		For Seal Class A, Add	*83.66*	
		For Work In Restricted Working Space, Add	*78.44*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.64	166.37
		For Seal Class B, Add	*41.59*	
		For Seal Class A, Add	*88.73*	
		For Work In Restricted Working Space, Add	*83.19*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.91	171.13
		For Seal Class B, Add	*42.78*	
		For Seal Class A, Add	*91.27*	
		For Work In Restricted Working Space, Add	*85.57*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.19	175.89
		For Seal Class B, Add	*43.97*	
		For Seal Class A, Add	*93.80*	
		For Work In Restricted Working Space, Add	*87.94*	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.45	180.64
		For Seal Class B, Add	*45.16*	
		For Seal Class A, Add	*96.34*	
		For Work In Restricted Working Space, Add	*90.32*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.73	185.39
		For Seal Class B, Add	*46.35*	
		For Seal Class A, Add	*98.87*	
		For Work In Restricted Working Space, Add	*92.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.82	152.12
		For Seal Class B, Add	*38.03*	
		For Seal Class A, Add	*81.13*	
		For Work In Restricted Working Space, Add	*76.06*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.07	156.86
		For Seal Class B, Add	*39.22*	
		For Seal Class A, Add	*83.66*	
		For Work In Restricted Working Space, Add	*78.44*	
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.64	166.37
		For Seal Class B, Add	*41.59*	
		For Seal Class A, Add	*88.73*	
		For Work In Restricted Working Space, Add	*83.19*	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.91	171.13
		For Seal Class B, Add	*42.78*	
		For Seal Class A, Add	*91.27*	
		For Work In Restricted Working Space, Add	*85.57*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.19	175.89
		For Seal Class B, Add	*43.97*	
		For Seal Class A, Add	*93.80*	
		For Work In Restricted Working Space, Add	*87.94*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.45	180.64
		For Seal Class B, Add	*45.16*	
		For Seal Class A, Add	*96.34*	
		For Work In Restricted Working Space, Add	*90.32*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.73	185.39
		For Seal Class B, Add	*46.35*	
		For Seal Class A, Add	*98.87*	
		For Work In Restricted Working Space, Add	*92.69*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.02	190.15
		For Seal Class B, Add	*47.54*	
		For Seal Class A, Add	*101.41*	
		For Work In Restricted Working Space, Add	*95.07*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.36	161.63
		For Seal Class B, Add	*40.41*	
		For Seal Class A, Add	*86.20*	
		For Work In Restricted Working Space, Add	*80.81*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.64	166.37
		For Seal Class B, Add	*41.59*	
		For Seal Class A, Add	*88.73*	
		For Work In Restricted Working Space, Add	*83.19*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.91	171.13
		For Seal Class B, Add	*42.78*	
		For Seal Class A, Add	*91.27*	
		For Work In Restricted Working Space, Add	*85.57*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.19	175.89
		For Seal Class B, Add	*43.97*	
		For Seal Class A, Add	*93.80*	
		For Work In Restricted Working Space, Add	*87.94*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.45	180.64
		For Seal Class B, Add	*45.16*	
		For Seal Class A, Add	*96.34*	
		For Work In Restricted Working Space, Add	*90.32*	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.73	185.39
		For Seal Class B, Add	*46.35*	
		For Seal Class A, Add	*98.87*	
		For Work In Restricted Working Space, Add	*92.69*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.02	190.15
		For Seal Class B, Add	*47.54*	
		For Seal Class A, Add	*101.41*	
		For Work In Restricted Working Space, Add	*95.07*	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.27	194.90
		For Seal Class B, Add	*48.72*	
		For Seal Class A, Add	*103.94*	
		For Work In Restricted Working Space, Add	*97.45*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.91	171.13
		For Seal Class B, Add	*42.78*	
		For Seal Class A, Add	*91.27*	
		For Work In Restricted Working Space, Add	*85.57*	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.19	175.89
		For Seal Class B, Add	*43.97*	
		For Seal Class A, Add	*93.80*	
		For Work In Restricted Working Space, Add	*87.94*	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.45	180.64
		For Seal Class B, Add	*45.16*	
		For Seal Class A, Add	*96.34*	
		For Work In Restricted Working Space, Add	*90.32*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.73	185.39
		For Seal Class B, Add	*46.35*	
		For Seal Class A, Add	*98.87*	
		For Work In Restricted Working Space, Add	*92.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.02	190.15
		For Seal Class B, Add	*47.54*	
		For Seal Class A, Add	*101.41*	
		For Work In Restricted Working Space, Add	*95.07*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.27	194.90
		For Seal Class B, Add	*48.72*	
		For Seal Class A, Add	*103.94*	
		For Work In Restricted Working Space, Add	*97.45*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.56	199.65
		For Seal Class B, Add	*49.91*	
		For Seal Class A, Add	*106.48*	
		For Work In Restricted Working Space, Add	*99.83*	
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.45	180.64
		For Seal Class B, Add	*45.16*	
		For Seal Class A, Add	*96.34*	
		For Work In Restricted Working Space, Add	*90.32*	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.73	185.39
		For Seal Class B, Add	*46.35*	
		For Seal Class A, Add	*98.87*	
		For Work In Restricted Working Space, Add	*92.69*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.02	190.15
		For Seal Class B, Add	*47.54*	
		For Seal Class A, Add	*101.41*	
		For Work In Restricted Working Space, Add	*95.07*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.27	194.90
		For Seal Class B, Add	*48.72*	
		For Seal Class A, Add	*103.94*	
		For Work In Restricted Working Space, Add	*97.45*	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.56	199.65
		For Seal Class B, Add	*49.91*	
		For Seal Class A, Add	*106.48*	
		For Work In Restricted Working Space, Add	*99.83*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.86	204.41
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.02*	
		For Work In Restricted Working Space, Add	*102.21*	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	408.11	209.16
		For Seal Class B, Add	*52.29*	
		For Seal Class A, Add	*111.55*	
		For Work In Restricted Working Space, Add	*104.58*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	371.02	190.15
		For Seal Class B, Add	*47.54*	
		For Seal Class A, Add	*101.41*	
		For Work In Restricted Working Space, Add	*95.07*	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.27	194.90
		For Seal Class B, Add	*48.72*	
		For Seal Class A, Add	*103.94*	
		For Work In Restricted Working Space, Add	*97.45*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.56	199.65
		For Seal Class B, Add	*49.91*	
		For Seal Class A, Add	*106.48*	
		For Work In Restricted Working Space, Add	*99.83*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.86	204.41
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.02*	
		For Work In Restricted Working Space, Add	*102.21*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	408.11	209.16
		For Seal Class B, Add	*52.29*	
		For Seal Class A, Add	*111.55*	
		For Work In Restricted Working Space, Add	*104.58*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.40	213.91
		For Seal Class B, Add	*53.48*	
		For Seal Class A, Add	*114.09*	
		For Work In Restricted Working Space, Add	*106.96*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	426.65	218.67
		For Seal Class B, Add	*54.67*	
		For Seal Class A, Add	*116.62*	
		For Work In Restricted Working Space, Add	*109.33*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.94	223.42
		For Seal Class B, Add	*55.86*	
		For Seal Class A, Add	*119.16*	
		For Work In Restricted Working Space, Add	*111.71*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.21	228.18
		For Seal Class B, Add	*57.04*	
		For Seal Class A, Add	*121.69*	
		For Work In Restricted Working Space, Add	*114.08*	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.56	199.65
		For Seal Class B, Add	*49.91*	
		For Seal Class A, Add	*106.48*	
		For Work In Restricted Working Space, Add	*99.83*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.86	204.41
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.02*	
		For Work In Restricted Working Space, Add	*102.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	408.11	209.16
		For Seal Class B, Add	*52.29*	
		For Seal Class A, Add	*111.55*	
		For Work In Restricted Working Space, Add	*104.58*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.40	213.91
		For Seal Class B, Add	*53.48*	
		For Seal Class A, Add	*114.09*	
		For Work In Restricted Working Space, Add	*106.96*	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	426.65	218.67
		For Seal Class B, Add	*54.67*	
		For Seal Class A, Add	*116.62*	
		For Work In Restricted Working Space, Add	*109.33*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.94	223.42
		For Seal Class B, Add	*55.86*	
		For Seal Class A, Add	*119.16*	
		For Work In Restricted Working Space, Add	*111.71*	
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.21	228.18
		For Seal Class B, Add	*57.04*	
		For Seal Class A, Add	*121.69*	
		For Work In Restricted Working Space, Add	*114.08*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.48	232.93
		For Seal Class B, Add	*58.23*	
		For Seal Class A, Add	*124.23*	
		For Work In Restricted Working Space, Add	*116.46*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	408.11	209.16
		For Seal Class B, Add	*52.29*	
		For Seal Class A, Add	*111.55*	
		For Work In Restricted Working Space, Add	*104.58*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.40	213.91
		For Seal Class B, Add	*53.48*	
		For Seal Class A, Add	*114.09*	
		For Work In Restricted Working Space, Add	*106.96*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	426.65	218.67
		For Seal Class B, Add	*54.67*	
		For Seal Class A, Add	*116.62*	
		For Work In Restricted Working Space, Add	*109.33*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.94	223.42
		For Seal Class B, Add	*55.86*	
		For Seal Class A, Add	*119.16*	
		For Work In Restricted Working Space, Add	*111.71*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.21	228.18
		For Seal Class B, Add	*57.04*	
		For Seal Class A, Add	*121.69*	
		For Work In Restricted Working Space, Add	*114.08*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.48	232.93
		For Seal Class B, Add	*58.23*	
		For Seal Class A, Add	*124.23*	
		For Work In Restricted Working Space, Add	*116.46*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.78	237.69
		For Seal Class B, Add	*59.42*	
		For Seal Class A, Add	*126.77*	
		For Work In Restricted Working Space, Add	*118.85*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	426.65	218.67
		For Seal Class B, Add	*54.67*	
		For Seal Class A, Add	*116.62*	
		For Work In Restricted Working Space, Add	*109.33*	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.94	223.42
		For Seal Class B, Add	*55.86*	
		For Seal Class A, Add	*119.16*	
		For Work In Restricted Working Space, Add	*111.71*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.21	228.18
		For Seal Class B, Add	*57.04*	
		For Seal Class A, Add	*121.69*	
		For Work In Restricted Working Space, Add	*114.08*	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.48	232.93
		For Seal Class B, Add	*58.23*	
		For Seal Class A, Add	*124.23*	
		For Work In Restricted Working Space, Add	*116.46*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.78	237.69
		For Seal Class B, Add	*59.42*	
		For Seal Class A, Add	*126.77*	
		For Work In Restricted Working Space, Add	*118.85*	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.98	247.20
		For Seal Class B, Add	*61.80*	
		For Seal Class A, Add	*131.84*	
		For Work In Restricted Working Space, Add	*123.60*	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	490.23	251.94
		For Seal Class B, Add	*62.99*	
		For Seal Class A, Add	*134.37*	
		For Work In Restricted Working Space, Add	*125.97*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.21	228.18
		For Seal Class B, Add	*57.04*	
		For Seal Class A, Add	*121.69*	
		For Work In Restricted Working Space, Add	*114.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.48	232.93
		For Seal Class B, Add	*58.23*	
		For Seal Class A, Add	*124.23*	
		For Work In Restricted Working Space, Add	*116.46*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.78	237.69
		For Seal Class B, Add	*59.42*	
		For Seal Class A, Add	*126.77*	
		For Work In Restricted Working Space, Add	*118.85*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.05	242.43
		For Seal Class B, Add	*60.61*	
		For Seal Class A, Add	*129.30*	
		For Work In Restricted Working Space, Add	*121.22*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.32	247.20
		For Seal Class B, Add	*61.80*	
		For Seal Class A, Add	*131.84*	
		For Work In Restricted Working Space, Add	*123.60*	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	491.59	251.94
		For Seal Class B, Add	*62.99*	
		For Seal Class A, Add	*134.37*	
		For Work In Restricted Working Space, Add	*125.97*	
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	500.86	256.71
		For Seal Class B, Add	*64.17*	
		For Seal Class A, Add	*136.91*	
		For Work In Restricted Working Space, Add	*128.35*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.78	237.69
		For Seal Class B, Add	*59.42*	
		For Seal Class A, Add	*126.77*	
		For Work In Restricted Working Space, Add	*118.85*	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.05	242.43
		For Seal Class B, Add	*60.61*	
		For Seal Class A, Add	*129.30*	
		For Work In Restricted Working Space, Add	*121.22*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.32	247.20
		For Seal Class B, Add	*61.80*	
		For Seal Class A, Add	*131.84*	
		For Work In Restricted Working Space, Add	*123.60*	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	491.59	251.94
		For Seal Class B, Add	*62.99*	
		For Seal Class A, Add	*134.37*	
		For Work In Restricted Working Space, Add	*125.97*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	500.86	256.71
		For Seal Class B, Add	*64.17*	
		For Seal Class A, Add	*136.91*	
		For Work In Restricted Working Space, Add	*128.35*	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	510.13	261.45
		For Seal Class B, Add	*65.36*	
		For Seal Class A, Add	*139.44*	
		For Work In Restricted Working Space, Add	*130.72*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.32	247.20
		For Seal Class B, Add	*61.80*	
		For Seal Class A, Add	*131.84*	
		For Work In Restricted Working Space, Add	*123.60*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	491.59	251.94
		For Seal Class B, Add	*62.99*	
		For Seal Class A, Add	*134.37*	
		For Work In Restricted Working Space, Add	*125.97*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	500.86	256.71
		For Seal Class B, Add	*64.17*	
		For Seal Class A, Add	*136.91*	
		For Work In Restricted Working Space, Add	*128.35*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	510.13	261.45
		For Seal Class B, Add	*65.36*	
		For Seal Class A, Add	*139.44*	
		For Work In Restricted Working Space, Add	*130.72*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	519.43	266.21
		For Seal Class B, Add	*66.55*	
		For Seal Class A, Add	*141.98*	
		For Work In Restricted Working Space, Add	*133.10*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	500.86	256.71
		For Seal Class B, Add	*64.17*	
		For Seal Class A, Add	*136.91*	
		For Work In Restricted Working Space, Add	*128.35*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	510.13	261.45
		For Seal Class B, Add	*65.36*	
		For Seal Class A, Add	*139.44*	
		For Work In Restricted Working Space, Add	*130.72*	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	519.43	266.21
		For Seal Class B, Add	*66.55*	
		For Seal Class A, Add	*141.98*	
		For Work In Restricted Working Space, Add	*133.10*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	528.69	270.96
		For Seal Class B, Add	*67.74*	
		For Seal Class A, Add	*144.51*	
		For Work In Restricted Working Space, Add	*135.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.97	275.71
		For Seal Class B, Add	*68.93*	
		For Seal Class A, Add	*147.05*	
		For Work In Restricted Working Space, Add	*137.86*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.23	280.46
		For Seal Class B, Add	*70.12*	
		For Seal Class A, Add	*149.58*	
		For Work In Restricted Working Space, Add	*140.23*	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	519.43	266.21
		For Seal Class B, Add	*66.55*	
		For Seal Class A, Add	*141.98*	
		For Work In Restricted Working Space, Add	*133.10*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	528.69	270.96
		For Seal Class B, Add	*67.74*	
		For Seal Class A, Add	*144.51*	
		For Work In Restricted Working Space, Add	*135.48*	
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.97	275.71
		For Seal Class B, Add	*68.93*	
		For Seal Class A, Add	*147.05*	
		For Work In Restricted Working Space, Add	*137.86*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.23	280.46
		For Seal Class B, Add	*70.12*	
		For Seal Class A, Add	*149.58*	
		For Work In Restricted Working Space, Add	*140.23*	
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.51	285.22
		For Seal Class B, Add	*71.30*	
		For Seal Class A, Add	*152.12*	
		For Work In Restricted Working Space, Add	*142.61*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.97	275.71
		For Seal Class B, Add	*68.93*	
		For Seal Class A, Add	*147.05*	
		For Work In Restricted Working Space, Add	*137.86*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.23	280.46
		For Seal Class B, Add	*70.12*	
		For Seal Class A, Add	*149.58*	
		For Work In Restricted Working Space, Add	*140.23*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.51	285.22
		For Seal Class B, Add	*71.30*	
		For Seal Class A, Add	*152.12*	
		For Work In Restricted Working Space, Add	*142.61*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	565.79	289.97
		For Seal Class B, Add	*72.49*	
		For Seal Class A, Add	*154.65*	
		For Work In Restricted Working Space, Add	*144.98*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	575.05	294.72
		For Seal Class B, Add	*73.68*	
		For Seal Class A, Add	*157.18*	
		For Work In Restricted Working Space, Add	*147.36*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.51	285.22
		For Seal Class B, Add	*71.30*	
		For Seal Class A, Add	*152.12*	
		For Work In Restricted Working Space, Add	*142.61*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	565.79	289.97
		For Seal Class B, Add	*72.49*	
		For Seal Class A, Add	*154.65*	
		For Work In Restricted Working Space, Add	*144.98*	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	575.05	294.72
		For Seal Class B, Add	*73.68*	
		For Seal Class A, Add	*157.18*	
		For Work In Restricted Working Space, Add	*147.36*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	584.35	299.48
		For Seal Class B, Add	*74.87*	
		For Seal Class A, Add	*159.72*	
		For Work In Restricted Working Space, Add	*149.74*	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.63	304.23
		For Seal Class B, Add	*76.06*	
		For Seal Class A, Add	*162.26*	
		For Work In Restricted Working Space, Add	*152.12*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	575.05	294.72
		For Seal Class B, Add	*73.68*	
		For Seal Class A, Add	*157.18*	
		For Work In Restricted Working Space, Add	*147.36*	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	584.35	299.48
		For Seal Class B, Add	*74.87*	
		For Seal Class A, Add	*159.72*	
		For Work In Restricted Working Space, Add	*149.74*	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.63	304.23
		For Seal Class B, Add	*76.06*	
		For Seal Class A, Add	*162.26*	
		For Work In Restricted Working Space, Add	*152.12*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.89	308.98
		For Seal Class B, Add	*77.25*	
		For Seal Class A, Add	*164.79*	
		For Work In Restricted Working Space, Add	*154.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	612.17	313.74
		For Seal Class B, Add	*78.44*	
		For Seal Class A, Add	*167.33*	
		For Work In Restricted Working Space, Add	*156.87*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.63	304.23
		For Seal Class B, Add	*76.06*	
		For Seal Class A, Add	*162.26*	
		For Work In Restricted Working Space, Add	*152.12*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.89	308.98
		For Seal Class B, Add	*77.25*	
		For Seal Class A, Add	*164.79*	
		For Work In Restricted Working Space, Add	*154.49*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	612.17	313.74
		For Seal Class B, Add	*78.44*	
		For Seal Class A, Add	*167.33*	
		For Work In Restricted Working Space, Add	*156.87*	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.43	318.50
		For Seal Class B, Add	*79.62*	
		For Seal Class A, Add	*169.86*	
		For Work In Restricted Working Space, Add	*159.25*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	612.17	313.74
		For Seal Class B, Add	*78.44*	
		For Seal Class A, Add	*167.33*	
		For Work In Restricted Working Space, Add	*156.87*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.43	318.50
		For Seal Class B, Add	*79.62*	
		For Seal Class A, Add	*169.86*	
		For Work In Restricted Working Space, Add	*159.25*	
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	630.71	323.24
		For Seal Class B, Add	*80.81*	
		For Seal Class A, Add	*172.40*	
		For Work In Restricted Working Space, Add	*161.62*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.00	328.01
		For Seal Class B, Add	*82.00*	
		For Seal Class A, Add	*174.93*	
		For Work In Restricted Working Space, Add	*164.00*	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	630.71	323.24
		For Seal Class B, Add	*80.81*	
		For Seal Class A, Add	*172.40*	
		For Work In Restricted Working Space, Add	*161.62*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.00	328.01
		For Seal Class B, Add	*82.00*	
		For Seal Class A, Add	*174.93*	
		For Work In Restricted Working Space, Add	*164.00*	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.27	332.75
		For Seal Class B, Add	*83.19*	
		For Seal Class A, Add	*177.47*	
		For Work In Restricted Working Space, Add	*166.38*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	658.55	337.51
		For Seal Class B, Add	*84.38*	
		For Seal Class A, Add	*180.01*	
		For Work In Restricted Working Space, Add	*168.76*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.27	332.75
		For Seal Class B, Add	*83.19*	
		For Seal Class A, Add	*177.47*	
		For Work In Restricted Working Space, Add	*166.38*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	658.55	337.51
		For Seal Class B, Add	*84.38*	
		For Seal Class A, Add	*180.01*	
		For Work In Restricted Working Space, Add	*168.76*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	667.84	342.26
		For Seal Class B, Add	*85.57*	
		For Seal Class A, Add	*182.54*	
		For Work In Restricted Working Space, Add	*171.13*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.09	347.02
		For Seal Class B, Add	*86.75*	
		For Seal Class A, Add	*185.08*	
		For Work In Restricted Working Space, Add	*173.51*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.38	351.76
		For Seal Class B, Add	*87.94*	
		For Seal Class A, Add	*187.61*	
		For Work In Restricted Working Space, Add	*175.88*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	695.63	356.53
		For Seal Class B, Add	*89.13*	
		For Seal Class A, Add	*190.14*	
		For Work In Restricted Working Space, Add	*178.26*	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	704.92	361.27
		For Seal Class B, Add	*90.32*	
		For Seal Class A, Add	*192.68*	
		For Work In Restricted Working Space, Add	*180.64*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	714.21	366.03
		For Seal Class B, Add	*91.51*	
		For Seal Class A, Add	*195.22*	
		For Work In Restricted Working Space, Add	*183.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	667.84	342.26
		For Seal Class B, Add	*85.57*	
		For Seal Class A, Add	*182.54*	
		For Work In Restricted Working Space, Add	*171.13*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.09	347.02
		For Seal Class B, Add	*86.75*	
		For Seal Class A, Add	*185.08*	
		For Work In Restricted Working Space, Add	*173.51*	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.38	351.76
		For Seal Class B, Add	*87.94*	
		For Seal Class A, Add	*187.61*	
		For Work In Restricted Working Space, Add	*175.88*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	695.63	356.53
		For Seal Class B, Add	*89.13*	
		For Seal Class A, Add	*190.14*	
		For Work In Restricted Working Space, Add	*178.26*	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	704.92	361.27
		For Seal Class B, Add	*90.32*	
		For Seal Class A, Add	*192.68*	
		For Work In Restricted Working Space, Add	*180.64*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	714.21	366.03
		For Seal Class B, Add	*91.51*	
		For Seal Class A, Add	*195.22*	
		For Work In Restricted Working Space, Add	*183.02*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	723.47	370.78
		For Seal Class B, Add	*92.70*	
		For Seal Class A, Add	*197.75*	
		For Work In Restricted Working Space, Add	*185.39*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.38	351.76
		For Seal Class B, Add	*87.94*	
		For Seal Class A, Add	*187.61*	
		For Work In Restricted Working Space, Add	*175.88*	
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	695.63	356.53
		For Seal Class B, Add	*89.13*	
		For Seal Class A, Add	*190.14*	
		For Work In Restricted Working Space, Add	*178.26*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	704.92	361.27
		For Seal Class B, Add	*90.32*	
		For Seal Class A, Add	*192.68*	
		For Work In Restricted Working Space, Add	*180.64*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	714.21	366.03
		For Seal Class B, Add	*91.51*	
		For Seal Class A, Add	*195.22*	
		For Work In Restricted Working Space, Add	*183.02*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	723.47	370.78
		For Seal Class B, Add	*92.70*	
		For Seal Class A, Add	*197.75*	
		For Work In Restricted Working Space, Add	*185.39*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	732.75	375.54
		For Seal Class B, Add	*93.88*	
		For Seal Class A, Add	*200.28*	
		For Work In Restricted Working Space, Add	*187.77*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	704.92	361.27
		For Seal Class B, Add	*90.32*	
		For Seal Class A, Add	*192.68*	
		For Work In Restricted Working Space, Add	*180.64*	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	714.21	366.03
		For Seal Class B, Add	*91.51*	
		For Seal Class A, Add	*195.22*	
		For Work In Restricted Working Space, Add	*183.02*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	723.47	370.78
		For Seal Class B, Add	*92.70*	
		For Seal Class A, Add	*197.75*	
		For Work In Restricted Working Space, Add	*185.39*	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	732.75	375.54
		For Seal Class B, Add	*93.88*	
		For Seal Class A, Add	*200.28*	
		For Work In Restricted Working Space, Add	*187.77*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	742.01	380.28
		For Seal Class B, Add	*95.07*	
		For Seal Class A, Add	*202.82*	
		For Work In Restricted Working Space, Add	*190.15*	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	723.47	370.78
		For Seal Class B, Add	*92.70*	
		For Seal Class A, Add	*197.75*	
		For Work In Restricted Working Space, Add	*185.39*	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	732.75	375.54
		For Seal Class B, Add	*93.88*	
		For Seal Class A, Add	*200.28*	
		For Work In Restricted Working Space, Add	*187.77*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	742.01	380.28
		For Seal Class B, Add	*95.07*	
		For Seal Class A, Add	*202.82*	
		For Work In Restricted Working Space, Add	*190.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	751.28	385.05
		For Seal Class B, Add	*96.26*	
		For Seal Class A, Add	*205.35*	
		For Work In Restricted Working Space, Add	*192.52*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	742.01	380.28
		For Seal Class B, Add	*95.07*	
		For Seal Class A, Add	*202.82*	
		For Work In Restricted Working Space, Add	*190.15*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	751.28	385.05
		For Seal Class B, Add	*96.26*	
		For Seal Class A, Add	*205.35*	
		For Work In Restricted Working Space, Add	*192.52*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	760.58	389.79
		For Seal Class B, Add	*97.45*	
		For Seal Class A, Add	*207.89*	
		For Work In Restricted Working Space, Add	*194.90*	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	760.58	389.79
		For Seal Class B, Add	*97.45*	
		For Seal Class A, Add	*207.89*	
		For Work In Restricted Working Space, Add	*194.90*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	769.84	394.55
		For Seal Class B, Add	*98.64*	
		For Seal Class A, Add	*210.43*	
		For Work In Restricted Working Space, Add	*197.28*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	779.13	399.30
		For Seal Class B, Add	*99.83*	
		For Seal Class A, Add	*212.96*	
		For Work In Restricted Working Space, Add	*199.65*	

23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.31	24.75
		For Seal Class B, Add	*6.19*	
		For Seal Class A, Add	*13.20*	
		For Work In Restricted Working Space, Add	*12.38*	
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.37	30.94
		For Seal Class B, Add	*7.74*	
		For Seal Class A, Add	*16.50*	
		For Work In Restricted Working Space, Add	*15.47*	
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.46	37.14
		For Seal Class B, Add	*9.29*	
		For Seal Class A, Add	*19.81*	
		For Work In Restricted Working Space, Add	*18.57*	
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.53	43.32
		For Seal Class B, Add	*10.83*	
		For Seal Class A, Add	*23.11*	
		For Work In Restricted Working Space, Add	*21.66*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.62	49.52
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.41*	
		For Work In Restricted Working Space, Add	*24.76*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.68	55.70
		For Seal Class B, Add	*13.92*	
		For Seal Class A, Add	*29.71*	
		For Work In Restricted Working Space, Add	*27.85*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.77	61.90
		For Seal Class B, Add	*15.47*	
		For Seal Class A, Add	*33.01*	
		For Work In Restricted Working Space, Add	*30.95*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.46	37.14
		For Seal Class B, Add	*9.29*	
		For Seal Class A, Add	*19.81*	
		For Work In Restricted Working Space, Add	*18.57*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.53	43.32
		For Seal Class B, Add	*10.83*	
		For Seal Class A, Add	*23.11*	
		For Work In Restricted Working Space, Add	*21.66*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.62	49.52
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.41*	
		For Work In Restricted Working Space, Add	*24.76*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.68	55.70
		For Seal Class B, Add	*13.92*	
		For Seal Class A, Add	*29.71*	
		For Work In Restricted Working Space, Add	*27.85*	
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.77	61.90
		For Seal Class B, Add	*15.47*	
		For Seal Class A, Add	*33.01*	
		For Work In Restricted Working Space, Add	*30.95*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.83	68.08
		For Seal Class B, Add	*17.02*	
		For Seal Class A, Add	*36.31*	
		For Work In Restricted Working Space, Add	*34.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.62	49.52
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.41*	
		For Work In Restricted Working Space, Add	*24.76*	
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.68	55.70
		For Seal Class B, Add	*13.92*	
		For Seal Class A, Add	*29.71*	
		For Work In Restricted Working Space, Add	*27.85*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.77	61.90
		For Seal Class B, Add	*15.47*	
		For Seal Class A, Add	*33.01*	
		For Work In Restricted Working Space, Add	*30.95*	
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.83	68.08
		For Seal Class B, Add	*17.02*	
		For Seal Class A, Add	*36.31*	
		For Work In Restricted Working Space, Add	*34.04*	
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.90	74.26
		For Seal Class B, Add	*18.57*	
		For Seal Class A, Add	*39.61*	
		For Work In Restricted Working Space, Add	*37.13*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.99	80.46
		For Seal Class B, Add	*20.11*	
		For Seal Class A, Add	*42.91*	
		For Work In Restricted Working Space, Add	*40.23*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.07	86.64
		For Seal Class B, Add	*21.66*	
		For Seal Class A, Add	*46.21*	
		For Work In Restricted Working Space, Add	*43.32*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.13	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.42*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.20	99.02
		For Seal Class B, Add	*24.75*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.77	61.90
		For Seal Class B, Add	*15.47*	
		For Seal Class A, Add	*33.01*	
		For Work In Restricted Working Space, Add	*30.95*	
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.83	68.08
		For Seal Class B, Add	*17.02*	
		For Seal Class A, Add	*36.31*	
		For Work In Restricted Working Space, Add	*34.04*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.90	74.26
		For Seal Class B, Add	*18.57*	
		For Seal Class A, Add	*39.61*	
		For Work In Restricted Working Space, Add	*37.13*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.99	80.46
		For Seal Class B, Add	*20.11*	
		For Seal Class A, Add	*42.91*	
		For Work In Restricted Working Space, Add	*40.23*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.07	86.64
		For Seal Class B, Add	*21.66*	
		For Seal Class A, Add	*46.21*	
		For Work In Restricted Working Space, Add	*43.32*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.13	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.42*	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.20	99.02
		For Seal Class B, Add	*24.75*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.27	105.22
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.11*	
		For Work In Restricted Working Space, Add	*52.61*	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.38	111.40
		For Seal Class B, Add	*27.85*	
		For Seal Class A, Add	*59.41*	
		For Work In Restricted Working Space, Add	*55.70*	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.45	117.60
		For Seal Class B, Add	*29.40*	
		For Seal Class A, Add	*62.72*	
		For Work In Restricted Working Space, Add	*58.80*	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.52	123.78
		For Seal Class B, Add	*30.95*	
		For Seal Class A, Add	*66.02*	
		For Work In Restricted Working Space, Add	*61.89*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.58	129.96
		For Seal Class B, Add	*32.49*	
		For Seal Class A, Add	*69.32*	
		For Work In Restricted Working Space, Add	*64.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.90	74.26
		For Seal Class B, Add	*18.57*	
		For Seal Class A, Add	*39.61*	
		For Work In Restricted Working Space, Add	*37.13*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.99	80.46
		For Seal Class B, Add	*20.11*	
		For Seal Class A, Add	*42.91*	
		For Work In Restricted Working Space, Add	*40.23*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.07	86.64
		For Seal Class B, Add	*21.66*	
		For Seal Class A, Add	*46.21*	
		For Work In Restricted Working Space, Add	*43.32*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.13	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.42*	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.20	99.02
		For Seal Class B, Add	*24.75*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.27	105.22
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.11*	
		For Work In Restricted Working Space, Add	*52.61*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.38	111.40
		For Seal Class B, Add	*27.85*	
		For Seal Class A, Add	*59.41*	
		For Work In Restricted Working Space, Add	*55.70*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.45	117.60
		For Seal Class B, Add	*29.40*	
		For Seal Class A, Add	*62.72*	
		For Work In Restricted Working Space, Add	*58.80*	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.52	123.78
		For Seal Class B, Add	*30.95*	
		For Seal Class A, Add	*66.02*	
		For Work In Restricted Working Space, Add	*61.89*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.58	129.96
		For Seal Class B, Add	*32.49*	
		For Seal Class A, Add	*69.32*	
		For Work In Restricted Working Space, Add	*64.98*	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	265.66	136.16
		For Seal Class B, Add	*34.04*	
		For Seal Class A, Add	*72.62*	
		For Work In Restricted Working Space, Add	*68.08*	
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.75	142.34
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.92*	
		For Work In Restricted Working Space, Add	*71.17*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.83	148.53
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.07	86.64
		For Seal Class B, Add	*21.66*	
		For Seal Class A, Add	*46.21*	
		For Work In Restricted Working Space, Add	*43.32*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.13	92.83
		For Seal Class B, Add	*23.21*	
		For Seal Class A, Add	*49.51*	
		For Work In Restricted Working Space, Add	*46.42*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.20	99.02
		For Seal Class B, Add	*24.75*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.27	105.22
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.11*	
		For Work In Restricted Working Space, Add	*52.61*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.38	111.40
		For Seal Class B, Add	*27.85*	
		For Seal Class A, Add	*59.41*	
		For Work In Restricted Working Space, Add	*55.70*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.45	117.60
		For Seal Class B, Add	*29.40*	
		For Seal Class A, Add	*62.72*	
		For Work In Restricted Working Space, Add	*58.80*	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.52	123.78
		For Seal Class B, Add	*30.95*	
		For Seal Class A, Add	*66.02*	
		For Work In Restricted Working Space, Add	*61.89*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.58	129.96
		For Seal Class B, Add	*32.49*	
		For Seal Class A, Add	*69.32*	
		For Work In Restricted Working Space, Add	*64.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	265.66	136.16
		For Seal Class B, Add	*34.04*	
		For Seal Class A, Add	*72.62*	
		For Work In Restricted Working Space, Add	*68.08*	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.75	142.34
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.92*	
		For Work In Restricted Working Space, Add	*71.17*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.83	148.53
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.89	154.72
		For Seal Class B, Add	*38.68*	
		For Seal Class A, Add	*82.52*	
		For Work In Restricted Working Space, Add	*77.36*	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.20	99.02
		For Seal Class B, Add	*24.75*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.27	105.22
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.11*	
		For Work In Restricted Working Space, Add	*52.61*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.38	111.40
		For Seal Class B, Add	*27.85*	
		For Seal Class A, Add	*59.41*	
		For Work In Restricted Working Space, Add	*55.70*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.45	117.60
		For Seal Class B, Add	*29.40*	
		For Seal Class A, Add	*62.72*	
		For Work In Restricted Working Space, Add	*58.80*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.52	123.78
		For Seal Class B, Add	*30.95*	
		For Seal Class A, Add	*66.02*	
		For Work In Restricted Working Space, Add	*61.89*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.58	129.96
		For Seal Class B, Add	*32.49*	
		For Seal Class A, Add	*69.32*	
		For Work In Restricted Working Space, Add	*64.98*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	265.66	136.16
		For Seal Class B, Add	*34.04*	
		For Seal Class A, Add	*72.62*	
		For Work In Restricted Working Space, Add	*68.08*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.75	142.34
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.92*	
		For Work In Restricted Working Space, Add	*71.17*	
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.83	148.53
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.89	154.72
		For Seal Class B, Add	*38.68*	
		For Seal Class A, Add	*82.52*	
		For Work In Restricted Working Space, Add	*77.36*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.97	160.91
		For Seal Class B, Add	*40.23*	
		For Seal Class A, Add	*85.82*	
		For Work In Restricted Working Space, Add	*80.46*	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.03	167.10
		For Seal Class B, Add	*41.78*	
		For Seal Class A, Add	*89.12*	
		For Work In Restricted Working Space, Add	*83.55*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.12	173.30
		For Seal Class B, Add	*43.32*	
		For Seal Class A, Add	*92.42*	
		For Work In Restricted Working Space, Add	*86.64*	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.19	179.48
		For Seal Class B, Add	*44.87*	
		For Seal Class A, Add	*95.72*	
		For Work In Restricted Working Space, Add	*89.74*	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.38	111.40
		For Seal Class B, Add	*27.85*	
		For Seal Class A, Add	*59.41*	
		For Work In Restricted Working Space, Add	*55.70*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.45	117.60
		For Seal Class B, Add	*29.40*	
		For Seal Class A, Add	*62.72*	
		For Work In Restricted Working Space, Add	*58.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.52	123.78
		For Seal Class B, Add	*30.95*	
		For Seal Class A, Add	*66.02*	
		For Work In Restricted Working Space, Add	*61.89*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.58	129.96
		For Seal Class B, Add	*32.49*	
		For Seal Class A, Add	*69.32*	
		For Work In Restricted Working Space, Add	*64.98*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	265.66	136.16
		For Seal Class B, Add	*34.04*	
		For Seal Class A, Add	*72.62*	
		For Work In Restricted Working Space, Add	*68.08*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.75	142.34
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.92*	
		For Work In Restricted Working Space, Add	*71.17*	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.83	148.53
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.89	154.72
		For Seal Class B, Add	*38.68*	
		For Seal Class A, Add	*82.52*	
		For Work In Restricted Working Space, Add	*77.36*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.97	160.91
		For Seal Class B, Add	*40.23*	
		For Seal Class A, Add	*85.82*	
		For Work In Restricted Working Space, Add	*80.46*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.03	167.10
		For Seal Class B, Add	*41.78*	
		For Seal Class A, Add	*89.12*	
		For Work In Restricted Working Space, Add	*83.55*	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.12	173.30
		For Seal Class B, Add	*43.32*	
		For Seal Class A, Add	*92.42*	
		For Work In Restricted Working Space, Add	*86.64*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.19	179.48
		For Seal Class B, Add	*44.87*	
		For Seal Class A, Add	*95.72*	
		For Work In Restricted Working Space, Add	*89.74*	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.35	191.86
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*102.33*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.52	123.78
		For Seal Class B, Add	*30.95*	
		For Seal Class A, Add	*66.02*	
		For Work In Restricted Working Space, Add	*61.89*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.58	129.96
		For Seal Class B, Add	*32.49*	
		For Seal Class A, Add	*69.32*	
		For Work In Restricted Working Space, Add	*64.98*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	265.66	136.16
		For Seal Class B, Add	*34.04*	
		For Seal Class A, Add	*72.62*	
		For Work In Restricted Working Space, Add	*68.08*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.75	142.34
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.92*	
		For Work In Restricted Working Space, Add	*71.17*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.83	148.53
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.89	154.72
		For Seal Class B, Add	*38.68*	
		For Seal Class A, Add	*82.52*	
		For Work In Restricted Working Space, Add	*77.36*	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.97	160.91
		For Seal Class B, Add	*40.23*	
		For Seal Class A, Add	*85.82*	
		For Work In Restricted Working Space, Add	*80.46*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.03	167.10
		For Seal Class B, Add	*41.78*	
		For Seal Class A, Add	*89.12*	
		For Work In Restricted Working Space, Add	*83.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.12	173.30
		For Seal Class B, Add	*43.32*	
		For Seal Class A, Add	*92.42*	
		For Work In Restricted Working Space, Add	*86.64*	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.19	179.48
		For Seal Class B, Add	*44.87*	
		For Seal Class A, Add	*95.72*	
		For Work In Restricted Working Space, Add	*89.74*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.35	191.86
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*102.33*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.51	204.24
		For Seal Class B, Add	*51.06*	
		For Seal Class A, Add	*108.92*	
		For Work In Restricted Working Space, Add	*102.12*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	265.66	136.16
		For Seal Class B, Add	*34.04*	
		For Seal Class A, Add	*72.62*	
		For Work In Restricted Working Space, Add	*68.08*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.75	142.34
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.92*	
		For Work In Restricted Working Space, Add	*71.17*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.83	148.53
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.89	154.72
		For Seal Class B, Add	*38.68*	
		For Seal Class A, Add	*82.52*	
		For Work In Restricted Working Space, Add	*77.36*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.97	160.91
		For Seal Class B, Add	*40.23*	
		For Seal Class A, Add	*85.82*	
		For Work In Restricted Working Space, Add	*80.46*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.03	167.10
		For Seal Class B, Add	*41.78*	
		For Seal Class A, Add	*89.12*	
		For Work In Restricted Working Space, Add	*83.55*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.12	173.30
		For Seal Class B, Add	*43.32*	
		For Seal Class A, Add	*92.42*	
		For Work In Restricted Working Space, Add	*86.64*	
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.19	179.48
		For Seal Class B, Add	*44.87*	
		For Seal Class A, Add	*95.72*	
		For Work In Restricted Working Space, Add	*89.74*	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.35	191.86
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*102.33*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.51	204.24
		For Seal Class B, Add	*51.06*	
		For Seal Class A, Add	*108.92*	
		For Work In Restricted Working Space, Add	*102.12*	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.65	216.61
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.53*	
		For Work In Restricted Working Space, Add	*108.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.83	148.53
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.89	154.72
		For Seal Class B, Add	*38.68*	
		For Seal Class A, Add	*82.52*	
		For Work In Restricted Working Space, Add	*77.36*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.97	160.91
		For Seal Class B, Add	*40.23*	
		For Seal Class A, Add	*85.82*	
		For Work In Restricted Working Space, Add	*80.46*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.03	167.10
		For Seal Class B, Add	*41.78*	
		For Seal Class A, Add	*89.12*	
		For Work In Restricted Working Space, Add	*83.55*	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.12	173.30
		For Seal Class B, Add	*43.32*	
		For Seal Class A, Add	*92.42*	
		For Work In Restricted Working Space, Add	*86.64*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.19	179.48
		For Seal Class B, Add	*44.87*	
		For Seal Class A, Add	*95.72*	
		For Work In Restricted Working Space, Add	*89.74*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.35	191.86
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*102.33*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.51	204.24
		For Seal Class B, Add	*51.06*	
		For Seal Class A, Add	*108.92*	
		For Work In Restricted Working Space, Add	*102.12*	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.65	216.61
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.53*	
		For Work In Restricted Working Space, Add	*108.31*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	434.72	222.80
		For Seal Class B, Add	*55.70*	
		For Seal Class A, Add	*118.83*	
		For Work In Restricted Working Space, Add	*111.40*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.97	160.91
		For Seal Class B, Add	*40.23*	
		For Seal Class A, Add	*85.82*	
		For Work In Restricted Working Space, Add	*80.46*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.03	167.10
		For Seal Class B, Add	*41.78*	
		For Seal Class A, Add	*89.12*	
		For Work In Restricted Working Space, Add	*83.55*	
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.12	173.30
		For Seal Class B, Add	*43.32*	
		For Seal Class A, Add	*92.42*	
		For Work In Restricted Working Space, Add	*86.64*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.19	179.48
		For Seal Class B, Add	*44.87*	
		For Seal Class A, Add	*95.72*	
		For Work In Restricted Working Space, Add	*89.74*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.35	191.86
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*102.33*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.51	204.24
		For Seal Class B, Add	*51.06*	
		For Seal Class A, Add	*108.92*	
		For Work In Restricted Working Space, Add	*102.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.65	216.61
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.53*	
		For Work In Restricted Working Space, Add	*108.31*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	434.72	222.80
		For Seal Class B, Add	*55.70*	
		For Seal Class A, Add	*118.83*	
		For Work In Restricted Working Space, Add	*111.40*	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.82	228.99
		For Seal Class B, Add	*57.25*	
		For Seal Class A, Add	*122.13*	
		For Work In Restricted Working Space, Add	*114.50*	
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	338.12	173.30
		For Seal Class B, Add	*43.32*	
		For Seal Class A, Add	*92.42*	
		For Work In Restricted Working Space, Add	*86.64*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.19	179.48
		For Seal Class B, Add	*44.87*	
		For Seal Class A, Add	*95.72*	
		For Work In Restricted Working Space, Add	*89.74*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.35	191.86
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*102.33*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.51	204.24
		For Seal Class B, Add	*51.06*	
		For Seal Class A, Add	*108.92*	
		For Work In Restricted Working Space, Add	*102.12*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.65	216.61
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.53*	
		For Work In Restricted Working Space, Add	*108.31*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	434.72	222.80
		For Seal Class B, Add	*55.70*	
		For Seal Class A, Add	*118.83*	
		For Work In Restricted Working Space, Add	*111.40*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.82	228.99
		For Seal Class B, Add	*57.25*	
		For Seal Class A, Add	*122.13*	
		For Work In Restricted Working Space, Add	*114.50*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.89	235.17
		For Seal Class B, Add	*58.80*	
		For Seal Class A, Add	*125.43*	
		For Work In Restricted Working Space, Add	*117.59*	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.29	185.67
		For Seal Class B, Add	*46.42*	
		For Seal Class A, Add	*99.03*	
		For Work In Restricted Working Space, Add	*92.84*	
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.35	191.86
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*102.33*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.51	204.24
		For Seal Class B, Add	*51.06*	
		For Seal Class A, Add	*108.92*	
		For Work In Restricted Working Space, Add	*102.12*	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.65	216.61
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.53*	
		For Work In Restricted Working Space, Add	*108.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	434.72	222.80
		For Seal Class B, Add	*55.70*	
		For Seal Class A, Add	*118.83*	
		For Work In Restricted Working Space, Add	*111.40*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.82	228.99
		For Seal Class B, Add	*57.25*	
		For Seal Class A, Add	*122.13*	
		For Work In Restricted Working Space, Add	*114.50*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.89	235.17
		For Seal Class B, Add	*58.80*	
		For Seal Class A, Add	*125.43*	
		For Work In Restricted Working Space, Add	*117.59*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.96	241.38
		For Seal Class B, Add	*60.34*	
		For Seal Class A, Add	*128.73*	
		For Work In Restricted Working Space, Add	*120.68*	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.44	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.51	204.24
		For Seal Class B, Add	*51.06*	
		For Seal Class A, Add	*108.92*	
		For Work In Restricted Working Space, Add	*102.12*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.65	216.61
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.53*	
		For Work In Restricted Working Space, Add	*108.31*	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	434.72	222.80
		For Seal Class B, Add	*55.70*	
		For Seal Class A, Add	*118.83*	
		For Work In Restricted Working Space, Add	*111.40*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.82	228.99
		For Seal Class B, Add	*57.25*	
		For Seal Class A, Add	*122.13*	
		For Work In Restricted Working Space, Add	*114.50*	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.89	235.17
		For Seal Class B, Add	*58.80*	
		For Seal Class A, Add	*125.43*	
		For Work In Restricted Working Space, Add	*117.59*	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.96	241.38
		For Seal Class B, Add	*60.34*	
		For Seal Class A, Add	*128.73*	
		For Work In Restricted Working Space, Add	*120.68*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.02	247.56
		For Seal Class B, Add	*61.89*	
		For Seal Class A, Add	*132.03*	
		For Work In Restricted Working Space, Add	*123.78*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.58	210.42
		For Seal Class B, Add	*52.61*	
		For Seal Class A, Add	*112.23*	
		For Work In Restricted Working Space, Add	*105.21*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.65	216.61
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.53*	
		For Work In Restricted Working Space, Add	*108.31*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	434.72	222.80
		For Seal Class B, Add	*55.70*	
		For Seal Class A, Add	*118.83*	
		For Work In Restricted Working Space, Add	*111.40*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.82	228.99
		For Seal Class B, Add	*57.25*	
		For Seal Class A, Add	*122.13*	
		For Work In Restricted Working Space, Add	*114.50*	
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.89	235.17
		For Seal Class B, Add	*58.80*	
		For Seal Class A, Add	*125.43*	
		For Work In Restricted Working Space, Add	*117.59*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.96	241.38
		For Seal Class B, Add	*60.34*	
		For Seal Class A, Add	*128.73*	
		For Work In Restricted Working Space, Add	*120.68*	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.02	247.56
		For Seal Class B, Add	*61.89*	
		For Seal Class A, Add	*132.03*	
		For Work In Restricted Working Space, Add	*123.78*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.09	253.74
		For Seal Class B, Add	*63.44*	
		For Seal Class A, Add	*135.33*	
		For Work In Restricted Working Space, Add	*126.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	434.72	222.80
		For Seal Class B, Add	*55.70*	
		For Seal Class A, Add	*118.83*	
		For Work In Restricted Working Space, Add	*111.40*	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.82	228.99
		For Seal Class B, Add	*57.25*	
		For Seal Class A, Add	*122.13*	
		For Work In Restricted Working Space, Add	*114.50*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.89	235.17
		For Seal Class B, Add	*58.80*	
		For Seal Class A, Add	*125.43*	
		For Work In Restricted Working Space, Add	*117.59*	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.96	241.38
		For Seal Class B, Add	*60.34*	
		For Seal Class A, Add	*128.73*	
		For Work In Restricted Working Space, Add	*120.68*	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.02	247.56
		For Seal Class B, Add	*61.89*	
		For Seal Class A, Add	*132.03*	
		For Work In Restricted Working Space, Add	*123.78*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.09	253.74
		For Seal Class B, Add	*63.44*	
		For Seal Class A, Add	*135.33*	
		For Work In Restricted Working Space, Add	*126.87*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	507.19	259.94
		For Seal Class B, Add	*64.98*	
		For Seal Class A, Add	*138.63*	
		For Work In Restricted Working Space, Add	*129.97*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.89	235.17
		For Seal Class B, Add	*58.80*	
		For Seal Class A, Add	*125.43*	
		For Work In Restricted Working Space, Add	*117.59*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.96	241.38
		For Seal Class B, Add	*60.34*	
		For Seal Class A, Add	*128.73*	
		For Work In Restricted Working Space, Add	*120.68*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.02	247.56
		For Seal Class B, Add	*61.89*	
		For Seal Class A, Add	*132.03*	
		For Work In Restricted Working Space, Add	*123.78*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.09	253.74
		For Seal Class B, Add	*63.44*	
		For Seal Class A, Add	*135.33*	
		For Work In Restricted Working Space, Add	*126.87*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	507.19	259.94
		For Seal Class B, Add	*64.98*	
		For Seal Class A, Add	*138.63*	
		For Work In Restricted Working Space, Add	*129.97*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	519.28	266.12
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*141.94*	
		For Work In Restricted Working Space, Add	*133.07*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.34	272.32
		For Seal Class B, Add	*68.08*	
		For Seal Class A, Add	*145.24*	
		For Work In Restricted Working Space, Add	*136.16*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.02	247.56
		For Seal Class B, Add	*61.89*	
		For Seal Class A, Add	*132.03*	
		For Work In Restricted Working Space, Add	*123.78*	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.09	253.74
		For Seal Class B, Add	*63.44*	
		For Seal Class A, Add	*135.33*	
		For Work In Restricted Working Space, Add	*126.87*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	507.19	259.94
		For Seal Class B, Add	*64.98*	
		For Seal Class A, Add	*138.63*	
		For Work In Restricted Working Space, Add	*129.97*	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	519.28	266.12
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*141.94*	
		For Work In Restricted Working Space, Add	*133.07*	
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.34	272.32
		For Seal Class B, Add	*68.08*	
		For Seal Class A, Add	*145.24*	
		For Work In Restricted Working Space, Add	*136.16*	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	543.41	278.50
		For Seal Class B, Add	*69.63*	
		For Seal Class A, Add	*148.53*	
		For Work In Restricted Working Space, Add	*139.25*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	555.48	284.69
		For Seal Class B, Add	*71.17*	
		For Seal Class A, Add	*151.84*	
		For Work In Restricted Working Space, Add	*142.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.58	290.88
		For Seal Class B, Add	*72.72*	
		For Seal Class A, Add	*155.14*	
		For Work In Restricted Working Space, Add	*145.44*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	579.64	297.06
		For Seal Class B, Add	*74.27*	
		For Seal Class A, Add	*158.44*	
		For Work In Restricted Working Space, Add	*148.53*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	507.19	259.94
		For Seal Class B, Add	*64.98*	
		For Seal Class A, Add	*138.63*	
		For Work In Restricted Working Space, Add	*129.97*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	519.28	266.12
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*141.94*	
		For Work In Restricted Working Space, Add	*133.07*	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.34	272.32
		For Seal Class B, Add	*68.08*	
		For Seal Class A, Add	*145.24*	
		For Work In Restricted Working Space, Add	*136.16*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	543.41	278.50
		For Seal Class B, Add	*69.63*	
		For Seal Class A, Add	*148.53*	
		For Work In Restricted Working Space, Add	*139.25*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	555.48	284.69
		For Seal Class B, Add	*71.17*	
		For Seal Class A, Add	*151.84*	
		For Work In Restricted Working Space, Add	*142.35*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.58	290.88
		For Seal Class B, Add	*72.72*	
		For Seal Class A, Add	*155.14*	
		For Work In Restricted Working Space, Add	*145.44*	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	579.64	297.06
		For Seal Class B, Add	*74.27*	
		For Seal Class A, Add	*158.44*	
		For Work In Restricted Working Space, Add	*148.53*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	591.71	303.25
		For Seal Class B, Add	*75.81*	
		For Seal Class A, Add	*161.73*	
		For Work In Restricted Working Space, Add	*151.63*	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.34	272.32
		For Seal Class B, Add	*68.08*	
		For Seal Class A, Add	*145.24*	
		For Work In Restricted Working Space, Add	*136.16*	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	543.41	278.50
		For Seal Class B, Add	*69.63*	
		For Seal Class A, Add	*148.53*	
		For Work In Restricted Working Space, Add	*139.25*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	555.48	284.69
		For Seal Class B, Add	*71.17*	
		For Seal Class A, Add	*151.84*	
		For Work In Restricted Working Space, Add	*142.35*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.58	290.88
		For Seal Class B, Add	*72.72*	
		For Seal Class A, Add	*155.14*	
		For Work In Restricted Working Space, Add	*145.44*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	579.64	297.06
		For Seal Class B, Add	*74.27*	
		For Seal Class A, Add	*158.44*	
		For Work In Restricted Working Space, Add	*148.53*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	591.71	303.25
		For Seal Class B, Add	*75.81*	
		For Seal Class A, Add	*161.73*	
		For Work In Restricted Working Space, Add	*151.63*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.79	309.46
		For Seal Class B, Add	*77.36*	
		For Seal Class A, Add	*165.04*	
		For Work In Restricted Working Space, Add	*154.73*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	555.48	284.69
		For Seal Class B, Add	*71.17*	
		For Seal Class A, Add	*151.84*	
		For Work In Restricted Working Space, Add	*142.35*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.58	290.88
		For Seal Class B, Add	*72.72*	
		For Seal Class A, Add	*155.14*	
		For Work In Restricted Working Space, Add	*145.44*	
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	579.64	297.06
		For Seal Class B, Add	*74.27*	
		For Seal Class A, Add	*158.44*	
		For Work In Restricted Working Space, Add	*148.53*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	591.71	303.25
		For Seal Class B, Add	*75.81*	
		For Seal Class A, Add	*161.73*	
		For Work In Restricted Working Space, Add	*151.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.79	309.46
		For Seal Class B, Add	*77.36*	
		For Seal Class A, Add	*165.04*	
		For Work In Restricted Working Space, Add	*154.73*	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	626.17	321.82
		For Seal Class B, Add	*80.46*	
		For Seal Class A, Add	*171.64*	
		For Work In Restricted Working Space, Add	*160.91*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	638.26	328.02
		For Seal Class B, Add	*82.00*	
		For Seal Class A, Add	*174.94*	
		For Work In Restricted Working Space, Add	*164.00*	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	579.64	297.06
		For Seal Class B, Add	*74.27*	
		For Seal Class A, Add	*158.44*	
		For Work In Restricted Working Space, Add	*148.53*	
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	591.71	303.25
		For Seal Class B, Add	*75.81*	
		For Seal Class A, Add	*161.73*	
		For Work In Restricted Working Space, Add	*151.63*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.79	309.46
		For Seal Class B, Add	*77.36*	
		For Seal Class A, Add	*165.04*	
		For Work In Restricted Working Space, Add	*154.73*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	615.86	315.64
		For Seal Class B, Add	*78.91*	
		For Seal Class A, Add	*168.34*	
		For Work In Restricted Working Space, Add	*157.82*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	627.95	321.82
		For Seal Class B, Add	*80.46*	
		For Seal Class A, Add	*171.64*	
		For Work In Restricted Working Space, Add	*160.91*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.02	328.02
		For Seal Class B, Add	*82.00*	
		For Seal Class A, Add	*174.94*	
		For Work In Restricted Working Space, Add	*164.00*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.09	334.20
		For Seal Class B, Add	*83.55*	
		For Seal Class A, Add	*178.24*	
		For Work In Restricted Working Space, Add	*167.10*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.79	309.46
		For Seal Class B, Add	*77.36*	
		For Seal Class A, Add	*165.04*	
		For Work In Restricted Working Space, Add	*154.73*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	615.86	315.64
		For Seal Class B, Add	*78.91*	
		For Seal Class A, Add	*168.34*	
		For Work In Restricted Working Space, Add	*157.82*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	627.95	321.82
		For Seal Class B, Add	*80.46*	
		For Seal Class A, Add	*171.64*	
		For Work In Restricted Working Space, Add	*160.91*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.02	328.02
		For Seal Class B, Add	*82.00*	
		For Seal Class A, Add	*174.94*	
		For Work In Restricted Working Space, Add	*164.00*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.09	334.20
		For Seal Class B, Add	*83.55*	
		For Seal Class A, Add	*178.24*	
		For Work In Restricted Working Space, Add	*167.10*	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	664.16	340.39
		For Seal Class B, Add	*85.10*	
		For Seal Class A, Add	*181.54*	
		For Work In Restricted Working Space, Add	*170.19*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	627.95	321.82
		For Seal Class B, Add	*80.46*	
		For Seal Class A, Add	*171.64*	
		For Work In Restricted Working Space, Add	*160.91*	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.02	328.02
		For Seal Class B, Add	*82.00*	
		For Seal Class A, Add	*174.94*	
		For Work In Restricted Working Space, Add	*164.00*	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.09	334.20
		For Seal Class B, Add	*83.55*	
		For Seal Class A, Add	*178.24*	
		For Work In Restricted Working Space, Add	*167.10*	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	664.16	340.39
		For Seal Class B, Add	*85.10*	
		For Seal Class A, Add	*181.54*	
		For Work In Restricted Working Space, Add	*170.19*	
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	676.24	346.58
		For Seal Class B, Add	*86.65*	
		For Seal Class A, Add	*184.84*	
		For Work In Restricted Working Space, Add	*173.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.09	334.20
		For Seal Class B, Add	*83.55*	
		For Seal Class A, Add	*178.24*	
		For Work In Restricted Working Space, Add	*167.10*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	664.16	340.39
		For Seal Class B, Add	*85.10*	
		For Seal Class A, Add	*181.54*	
		For Work In Restricted Working Space, Add	*170.19*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	676.24	346.58
		For Seal Class B, Add	*86.65*	
		For Seal Class A, Add	*184.84*	
		For Work In Restricted Working Space, Add	*173.29*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	688.33	352.77
		For Seal Class B, Add	*88.19*	
		For Seal Class A, Add	*188.14*	
		For Work In Restricted Working Space, Add	*176.39*	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	700.41	358.95
		For Seal Class B, Add	*89.74*	
		For Seal Class A, Add	*191.45*	
		For Work In Restricted Working Space, Add	*179.48*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.47	365.14
		For Seal Class B, Add	*91.29*	
		For Seal Class A, Add	*194.75*	
		For Work In Restricted Working Space, Add	*182.57*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	676.24	346.58
		For Seal Class B, Add	*86.65*	
		For Seal Class A, Add	*184.84*	
		For Work In Restricted Working Space, Add	*173.29*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	688.33	352.77
		For Seal Class B, Add	*88.19*	
		For Seal Class A, Add	*188.14*	
		For Work In Restricted Working Space, Add	*176.39*	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	700.41	358.95
		For Seal Class B, Add	*89.74*	
		For Seal Class A, Add	*191.45*	
		For Work In Restricted Working Space, Add	*179.48*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.47	365.14
		For Seal Class B, Add	*91.29*	
		For Seal Class A, Add	*194.75*	
		For Work In Restricted Working Space, Add	*182.57*	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.54	371.33
		For Seal Class B, Add	*92.83*	
		For Seal Class A, Add	*198.04*	
		For Work In Restricted Working Space, Add	*185.67*	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	700.41	358.95
		For Seal Class B, Add	*89.74*	
		For Seal Class A, Add	*191.45*	
		For Work In Restricted Working Space, Add	*179.48*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.47	365.14
		For Seal Class B, Add	*91.29*	
		For Seal Class A, Add	*194.75*	
		For Work In Restricted Working Space, Add	*182.57*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.54	371.33
		For Seal Class B, Add	*92.83*	
		For Seal Class A, Add	*198.04*	
		For Work In Restricted Working Space, Add	*185.67*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	736.61	377.53
		For Seal Class B, Add	*94.38*	
		For Seal Class A, Add	*201.34*	
		For Work In Restricted Working Space, Add	*188.76*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	748.71	383.72
		For Seal Class B, Add	*95.93*	
		For Seal Class A, Add	*204.65*	
		For Work In Restricted Working Space, Add	*191.86*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.54	371.33
		For Seal Class B, Add	*92.83*	
		For Seal Class A, Add	*198.04*	
		For Work In Restricted Working Space, Add	*185.67*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	736.61	377.53
		For Seal Class B, Add	*94.38*	
		For Seal Class A, Add	*201.34*	
		For Work In Restricted Working Space, Add	*188.76*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	748.71	383.72
		For Seal Class B, Add	*95.93*	
		For Seal Class A, Add	*204.65*	
		For Work In Restricted Working Space, Add	*191.86*	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	760.78	389.90
		For Seal Class B, Add	*97.48*	
		For Seal Class A, Add	*207.95*	
		For Work In Restricted Working Space, Add	*194.95*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	772.85	396.10
		For Seal Class B, Add	*99.02*	
		For Seal Class A, Add	*211.25*	
		For Work In Restricted Working Space, Add	*198.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	748.71	383.72
		For Seal Class B, Add	*95.93*	
		For Seal Class A, Add	*204.65*	
		For Work In Restricted Working Space, Add	*191.86*	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	760.78	389.90
		For Seal Class B, Add	*97.48*	
		For Seal Class A, Add	*207.95*	
		For Work In Restricted Working Space, Add	*194.95*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	772.85	396.10
		For Seal Class B, Add	*99.02*	
		For Seal Class A, Add	*211.25*	
		For Work In Restricted Working Space, Add	*198.05*	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	784.92	402.28
		For Seal Class B, Add	*100.57*	
		For Seal Class A, Add	*214.55*	
		For Work In Restricted Working Space, Add	*201.14*	
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	796.99	408.47
		For Seal Class B, Add	*102.12*	
		For Seal Class A, Add	*217.85*	
		For Work In Restricted Working Space, Add	*204.23*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	772.85	396.10
		For Seal Class B, Add	*99.02*	
		For Seal Class A, Add	*211.25*	
		For Work In Restricted Working Space, Add	*198.05*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	784.92	402.28
		For Seal Class B, Add	*100.57*	
		For Seal Class A, Add	*214.55*	
		For Work In Restricted Working Space, Add	*201.14*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	796.99	408.47
		For Seal Class B, Add	*102.12*	
		For Seal Class A, Add	*217.85*	
		For Work In Restricted Working Space, Add	*204.23*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.08	414.66
		For Seal Class B, Add	*103.66*	
		For Seal Class A, Add	*221.15*	
		For Work In Restricted Working Space, Add	*207.33*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	796.99	408.47
		For Seal Class B, Add	*102.12*	
		For Seal Class A, Add	*217.85*	
		For Work In Restricted Working Space, Add	*204.23*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.08	414.66
		For Seal Class B, Add	*103.66*	
		For Seal Class A, Add	*221.15*	
		For Work In Restricted Working Space, Add	*207.33*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	821.15	420.84
		For Seal Class B, Add	*105.21*	
		For Seal Class A, Add	*224.45*	
		For Work In Restricted Working Space, Add	*210.42*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	833.22	427.03
		For Seal Class B, Add	*106.76*	
		For Seal Class A, Add	*227.75*	
		For Work In Restricted Working Space, Add	*213.52*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	821.15	420.84
		For Seal Class B, Add	*105.21*	
		For Seal Class A, Add	*224.45*	
		For Work In Restricted Working Space, Add	*210.42*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	833.22	427.03
		For Seal Class B, Add	*106.76*	
		For Seal Class A, Add	*227.75*	
		For Work In Restricted Working Space, Add	*213.52*	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	845.31	433.22
		For Seal Class B, Add	*108.31*	
		For Seal Class A, Add	*231.06*	
		For Work In Restricted Working Space, Add	*216.62*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	857.37	439.41
		For Seal Class B, Add	*109.85*	
		For Seal Class A, Add	*234.36*	
		For Work In Restricted Working Space, Add	*219.71*	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	845.31	433.22
		For Seal Class B, Add	*108.31*	
		For Seal Class A, Add	*231.06*	
		For Work In Restricted Working Space, Add	*216.62*	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	857.37	439.41
		For Seal Class B, Add	*109.85*	
		For Seal Class A, Add	*234.36*	
		For Work In Restricted Working Space, Add	*219.71*	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	869.47	445.60
		For Seal Class B, Add	*111.40*	
		For Seal Class A, Add	*237.65*	
		For Work In Restricted Working Space, Add	*222.80*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	881.54	451.80
		For Seal Class B, Add	*112.95*	
		For Seal Class A, Add	*240.96*	
		For Work In Restricted Working Space, Add	*225.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.61	457.98
		For Seal Class B, Add	*114.50*	
		For Seal Class A, Add	*244.26*	
		For Work In Restricted Working Space, Add	*228.99*	
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	905.67	464.17
		For Seal Class B, Add	*116.04*	
		For Seal Class A, Add	*247.56*	
		For Work In Restricted Working Space, Add	*232.08*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	917.75	470.36
		For Seal Class B, Add	*117.59*	
		For Seal Class A, Add	*250.86*	
		For Work In Restricted Working Space, Add	*235.18*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	929.85	476.55
		For Seal Class B, Add	*119.14*	
		For Seal Class A, Add	*254.16*	
		For Work In Restricted Working Space, Add	*238.28*	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	941.92	482.73
		For Seal Class B, Add	*120.68*	
		For Seal Class A, Add	*257.46*	
		For Work In Restricted Working Space, Add	*241.37*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	869.47	445.60
		For Seal Class B, Add	*111.40*	
		For Seal Class A, Add	*237.65*	
		For Work In Restricted Working Space, Add	*222.80*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	881.54	451.80
		For Seal Class B, Add	*112.95*	
		For Seal Class A, Add	*240.96*	
		For Work In Restricted Working Space, Add	*225.90*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.61	457.98
		For Seal Class B, Add	*114.50*	
		For Seal Class A, Add	*244.26*	
		For Work In Restricted Working Space, Add	*228.99*	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	905.67	464.17
		For Seal Class B, Add	*116.04*	
		For Seal Class A, Add	*247.56*	
		For Work In Restricted Working Space, Add	*232.08*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	917.75	470.36
		For Seal Class B, Add	*117.59*	
		For Seal Class A, Add	*250.86*	
		For Work In Restricted Working Space, Add	*235.18*	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	929.85	476.55
		For Seal Class B, Add	*119.14*	
		For Seal Class A, Add	*254.16*	
		For Work In Restricted Working Space, Add	*238.28*	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	941.92	482.73
		For Seal Class B, Add	*120.68*	
		For Seal Class A, Add	*257.46*	
		For Work In Restricted Working Space, Add	*241.37*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	953.98	488.92
		For Seal Class B, Add	*122.23*	
		For Seal Class A, Add	*260.76*	
		For Work In Restricted Working Space, Add	*244.46*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.61	457.98
		For Seal Class B, Add	*114.50*	
		For Seal Class A, Add	*244.26*	
		For Work In Restricted Working Space, Add	*228.99*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	905.67	464.17
		For Seal Class B, Add	*116.04*	
		For Seal Class A, Add	*247.56*	
		For Work In Restricted Working Space, Add	*232.08*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	917.75	470.36
		For Seal Class B, Add	*117.59*	
		For Seal Class A, Add	*250.86*	
		For Work In Restricted Working Space, Add	*235.18*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	929.85	476.55
		For Seal Class B, Add	*119.14*	
		For Seal Class A, Add	*254.16*	
		For Work In Restricted Working Space, Add	*238.28*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	941.92	482.73
		For Seal Class B, Add	*120.68*	
		For Seal Class A, Add	*257.46*	
		For Work In Restricted Working Space, Add	*241.37*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	953.98	488.92
		For Seal Class B, Add	*122.23*	
		For Seal Class A, Add	*260.76*	
		For Work In Restricted Working Space, Add	*244.46*	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	966.05	495.11
		For Seal Class B, Add	*123.78*	
		For Seal Class A, Add	*264.06*	
		For Work In Restricted Working Space, Add	*247.55*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	917.75	470.36
		For Seal Class B, Add	*117.59*	
		For Seal Class A, Add	*250.86*	
		For Work In Restricted Working Space, Add	*235.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	929.85	476.55
		For Seal Class B, Add	*119.14*	
		For Seal Class A, Add	*254.16*	
		For Work In Restricted Working Space, Add	*238.28*	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	941.92	482.73
		For Seal Class B, Add	*120.68*	
		For Seal Class A, Add	*257.46*	
		For Work In Restricted Working Space, Add	*241.37*	
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	953.98	488.92
		For Seal Class B, Add	*122.23*	
		For Seal Class A, Add	*260.76*	
		For Work In Restricted Working Space, Add	*244.46*	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	966.05	495.11
		For Seal Class B, Add	*123.78*	
		For Seal Class A, Add	*264.06*	
		For Work In Restricted Working Space, Add	*247.55*	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	978.12	501.30
		For Seal Class B, Add	*125.33*	
		For Seal Class A, Add	*267.36*	
		For Work In Restricted Working Space, Add	*250.65*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	941.92	482.73
		For Seal Class B, Add	*120.68*	
		For Seal Class A, Add	*257.46*	
		For Work In Restricted Working Space, Add	*241.37*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	953.98	488.92
		For Seal Class B, Add	*122.23*	
		For Seal Class A, Add	*260.76*	
		For Work In Restricted Working Space, Add	*244.46*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	966.05	495.11
		For Seal Class B, Add	*123.78*	
		For Seal Class A, Add	*264.06*	
		For Work In Restricted Working Space, Add	*247.55*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	978.12	501.30
		For Seal Class B, Add	*125.33*	
		For Seal Class A, Add	*267.36*	
		For Work In Restricted Working Space, Add	*250.65*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	990.21	507.49
		For Seal Class B, Add	*126.87*	
		For Seal Class A, Add	*270.66*	
		For Work In Restricted Working Space, Add	*253.74*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	966.05	495.11
		For Seal Class B, Add	*123.78*	
		For Seal Class A, Add	*264.06*	
		For Work In Restricted Working Space, Add	*247.55*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	978.12	501.30
		For Seal Class B, Add	*125.33*	
		For Seal Class A, Add	*267.36*	
		For Work In Restricted Working Space, Add	*250.65*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	990.21	507.49
		For Seal Class B, Add	*126.87*	
		For Seal Class A, Add	*270.66*	
		For Work In Restricted Working Space, Add	*253.74*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,012.61	519.88
		For Seal Class B, Add	*129.97*	
		For Seal Class A, Add	*277.26*	
		For Work In Restricted Working Space, Add	*259.94*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	990.21	507.49
		For Seal Class B, Add	*126.87*	
		For Seal Class A, Add	*270.66*	
		For Work In Restricted Working Space, Add	*253.74*	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,002.30	513.68
		For Seal Class B, Add	*128.42*	
		For Seal Class A, Add	*273.96*	
		For Work In Restricted Working Space, Add	*256.84*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,014.37	519.88
		For Seal Class B, Add	*129.97*	
		For Seal Class A, Add	*277.26*	
		For Work In Restricted Working Space, Add	*259.94*	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,014.37	519.88
		For Seal Class B, Add	*129.97*	
		For Seal Class A, Add	*277.26*	
		For Work In Restricted Working Space, Add	*259.94*	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,026.44	526.06
		For Seal Class B, Add	*131.52*	
		For Seal Class A, Add	*280.57*	
		For Work In Restricted Working Space, Add	*263.03*	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,038.51	532.25
		For Seal Class B, Add	*133.06*	
		For Seal Class A, Add	*283.87*	
		For Work In Restricted Working Space, Add	*266.12*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0001		**Low Pressure Round And Flat-Oval Duct** *(23 31 13 16)* Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 16-0002		**Galvanized Sheet Metal Round And Flat-Oval Ducts** *(23 31 13 16-0001)* Note: Includes straps and supports.		
23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.97	3.18
		For Seal Class B, Add	*0.98*	
		For Seal Class A, Add	*2.60*	
		For Up To 20', Add	*0.74*	
		For >20' To 50', Add	*0.30*	
		For >200' To 500', Deduct	*-0.18*	
		For >500', Deduct	*-0.31*	
		For 28 Gauge, Deduct	*-0.34*	
		For 24 Gauge, Add	*0.34*	
		For 22 Gauge, Add	*0.68*	
		For 20 Gauge, Add	*1.02*	
		For 18 Gauge, Add	*1.35*	
		For 16 Gauge, Add	*1.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.82*	
		For Work In Restricted Working Space, Add	*1.95*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.28*	
		For Elevated Installation >30' To 35', Add	*2.60*	
		For Elevated Installation >35' To 40', Add	*3.26*	
		For Elevated Installation >40', Add	*3.58*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	10.34	3.62
		For Seal Class B, Add	*1.08*	
		For Seal Class A, Add	*2.89*	
		For Up To 20', Add	*0.93*	
		For >20' To 50', Add	*0.37*	
		For >200' To 500', Deduct	*-0.23*	
		For >500', Deduct	*-0.39*	
		For 28 Gauge, Deduct	*-0.43*	
		For 24 Gauge, Add	*0.43*	
		For 22 Gauge, Add	*0.86*	
		For 20 Gauge, Add	*1.29*	
		For 18 Gauge, Add	*1.71*	
		For 16 Gauge, Add	*2.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.30*	
		For Work In Restricted Working Space, Add	*2.17*	
		For Elevated Installation >10' To 15', Add	*0.72*	
		For Elevated Installation >15' To 20', Add	*1.45*	
		For Elevated Installation >20' To 25', Add	*1.81*	
		For Elevated Installation >25' To 30', Add	*2.53*	
		For Elevated Installation >30' To 35', Add	*2.89*	
		For Elevated Installation >35' To 40', Add	*3.62*	
		For Elevated Installation >40', Add	*3.98*	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.73	4.33
		For Seal Class B, Add	*1.22*	
		For Seal Class A, Add	*3.26*	
		For Up To 20', Add	*1.08*	
		For >20' To 50', Add	*0.43*	
		For >200' To 500', Deduct	*-0.27*	
		For >500', Deduct	*-0.45*	
		For 28 Gauge, Deduct	*-0.50*	
		For 24 Gauge, Add	*0.50*	
		For 22 Gauge, Add	*0.99*	
		For 20 Gauge, Add	*1.49*	
		For 18 Gauge, Add	*1.97*	
		For 16 Gauge, Add	*2.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.66*	
		For Work In Restricted Working Space, Add	*2.44*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.63*	
		For Elevated Installation >20' To 25', Add	*2.04*	
		For Elevated Installation >25' To 30', Add	*2.85*	
		For Elevated Installation >30' To 35', Add	*3.26*	
		For Elevated Installation >35' To 40', Add	*4.07*	
		For Elevated Installation >40', Add	*4.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	13.17	5.06
		For Seal Class B, Add	*1.40*	
		For Seal Class A, Add	*3.72*	
		For Up To 20', Add	*1.16*	
		For >20' To 50', Add	*0.46*	
		For >200' To 500', Deduct	*-0.29*	
		For >500', Deduct	*-0.48*	
		For 28 Gauge, Deduct	*-0.54*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.07*	
		For 20 Gauge, Add	*1.60*	
		For 18 Gauge, Add	*2.13*	
		For 16 Gauge, Add	*2.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.86*	
		For Work In Restricted Working Space, Add	*2.79*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.72*	
		For Elevated Installation >35' To 40', Add	*4.65*	
		For Elevated Installation >40', Add	*5.12*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	15.00	5.78
		For Seal Class B, Add	*1.63*	
		For Seal Class A, Add	*4.34*	
		For Up To 20', Add	*1.25*	
		For >20' To 50', Add	*0.50*	
		For >200' To 500', Deduct	*-0.31*	
		For >500', Deduct	*-0.52*	
		For 28 Gauge, Deduct	*-0.57*	
		For 24 Gauge, Add	*0.57*	
		For 22 Gauge, Add	*1.14*	
		For 20 Gauge, Add	*1.72*	
		For 18 Gauge, Add	*2.28*	
		For 16 Gauge, Add	*2.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*3.26*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.17*	
		For Elevated Installation >20' To 25', Add	*2.71*	
		For Elevated Installation >25' To 30', Add	*3.80*	
		For Elevated Installation >30' To 35', Add	*4.34*	
		For Elevated Installation >35' To 40', Add	*5.43*	
		For Elevated Installation >40', Add	*5.97*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	19.06	7.23
		For Seal Class B, Add	*1.95*	
		For Seal Class A, Add	*5.20*	
		For Up To 20', Add	*1.82*	
		For >20' To 50', Add	*0.73*	
		For >200' To 500', Deduct	*-0.45*	
		For >500', Deduct	*-0.76*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.67*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.33*	
		For 16 Gauge, Add	*4.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.48*	
		For Work In Restricted Working Space, Add	*3.90*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.55*	
		For Elevated Installation >30' To 35', Add	*5.20*	
		For Elevated Installation >35' To 40', Add	*6.51*	
		For Elevated Installation >40', Add	*7.16*	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	23.34	9.70
		For Seal Class B, Add	*2.44*	
		For Seal Class A, Add	*6.51*	
		For Up To 20', Add	*2.12*	
		For >20' To 50', Add	*0.85*	
		For >200' To 500', Deduct	*-0.53*	
		For >500', Deduct	*-0.88*	
		For 28 Gauge, Deduct	*-0.98*	
		For 24 Gauge, Add	*0.98*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*2.93*	
		For 18 Gauge, Add	*3.89*	
		For 16 Gauge, Add	*4.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.23*	
		For Work In Restricted Working Space, Add	*4.88*	
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.25*	
		For Elevated Installation >20' To 25', Add	*4.07*	
		For Elevated Installation >25' To 30', Add	*5.69*	
		For Elevated Installation >30' To 35', Add	*6.51*	
		For Elevated Installation >35' To 40', Add	*8.14*	
		For Elevated Installation >40', Add	*8.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	28.37	14.46
		For Seal Class B, Add	*3.05*	
		For Seal Class A, Add	*8.14*	
		For Up To 20', Add	*2.41*	
		For >20' To 50', Add	*0.96*	
		For >200' To 500', Deduct	*-0.60*	
		For >500', Deduct	*-1.00*	
		For 28 Gauge, Deduct	*-1.11*	
		For 24 Gauge, Add	*1.11*	
		For 22 Gauge, Add	*2.21*	
		For 20 Gauge, Add	*3.32*	
		For 18 Gauge, Add	*4.42*	
		For 16 Gauge, Add	*5.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.94*	
		For Work In Restricted Working Space, Add	*6.10*	
		For Elevated Installation >10' To 15', Add	*2.03*	
		For Elevated Installation >15' To 20', Add	*4.07*	
		For Elevated Installation >20' To 25', Add	*5.09*	
		For Elevated Installation >25' To 30', Add	*7.12*	
		For Elevated Installation >30' To 35', Add	*8.14*	
		For Elevated Installation >35' To 40', Add	*10.17*	
		For Elevated Installation >40', Add	*11.19*	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	38.16	19.38
		For Seal Class B, Add	*4.07*	
		For Seal Class A, Add	*10.85*	
		For Up To 20', Add	*3.31*	
		For >20' To 50', Add	*1.32*	
		For >200' To 500', Deduct	*-0.83*	
		For >500', Deduct	*-1.38*	
		For 28 Gauge, Deduct	*-1.53*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.04*	
		For 20 Gauge, Add	*4.57*	
		For 18 Gauge, Add	*6.07*	
		For 16 Gauge, Add	*7.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.16*	
		For Work In Restricted Working Space, Add	*8.14*	
		For Elevated Installation >10' To 15', Add	*2.71*	
		For Elevated Installation >15' To 20', Add	*5.43*	
		For Elevated Installation >20' To 25', Add	*6.78*	
		For Elevated Installation >25' To 30', Add	*9.50*	
		For Elevated Installation >30' To 35', Add	*10.85*	
		For Elevated Installation >35' To 40', Add	*13.57*	
		For Elevated Installation >40', Add	*14.92*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	53.87	23.29
		For Up To 20', Add	*6.40*	
		For >20' To 50', Add	*2.56*	
		For >200' To 500', Deduct	*-1.60*	
		For >500', Deduct	*-2.67*	
		For 28 Gauge, Deduct	*-2.95*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.87*	
		For 20 Gauge, Add	*8.83*	
		For 18 Gauge, Add	*11.73*	
		For 16 Gauge, Add	*14.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.78*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.39*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.90*	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	61.41	26.90
		For Up To 20', Add	*7.14*	
		For >20' To 50', Add	*2.86*	
		For >200' To 500', Deduct	*-1.79*	
		For >500', Deduct	*-2.98*	
		For 28 Gauge, Deduct	*-3.30*	
		For 24 Gauge, Add	*3.28*	
		For 22 Gauge, Add	*6.56*	
		For 20 Gauge, Add	*9.85*	
		For 18 Gauge, Add	*13.09*	
		For 16 Gauge, Add	*16.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.61*	
		For Work In Restricted Working Space, Add	*11.28*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.52*	
		For Elevated Installation >20' To 25', Add	*9.40*	
		For Elevated Installation >25' To 30', Add	*13.16*	
		For Elevated Installation >30' To 35', Add	*15.04*	
		For Elevated Installation >35' To 40', Add	*18.81*	
		For Elevated Installation >40', Add	*20.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0014		Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)* Note: Up to 90 degree.		
23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	45.64	19.31
		For Seal Class B, Add	*5.79*	
		For Seal Class A, Add	*15.45*	
		For 28 Gauge, Deduct	*-0.97*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*1.93*	
		For 20 Gauge, Add	*2.91*	
		For 18 Gauge, Add	*3.86*	
		For 16 Gauge, Add	*4.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.19*	
		For Work In Restricted Working Space, Add	*11.59*	
		For Elevated Installation >10' To 15', Add	*3.86*	
		For Elevated Installation >15' To 20', Add	*7.72*	
		For Elevated Installation >20' To 25', Add	*9.66*	
		For Elevated Installation >25' To 30', Add	*13.52*	
		For Elevated Installation >30' To 35', Add	*15.45*	
		For Elevated Installation >35' To 40', Add	*19.31*	
		For Elevated Installation >40', Add	*21.24*	
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	52.20	22.28
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*17.82*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.05*	
		For 22 Gauge, Add	*2.10*	
		For 20 Gauge, Add	*3.16*	
		For 18 Gauge, Add	*4.20*	
		For 16 Gauge, Add	*5.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.65*	
		For Work In Restricted Working Space, Add	*13.37*	
		For Elevated Installation >10' To 15', Add	*4.46*	
		For Elevated Installation >15' To 20', Add	*8.91*	
		For Elevated Installation >20' To 25', Add	*11.14*	
		For Elevated Installation >25' To 30', Add	*15.60*	
		For Elevated Installation >30' To 35', Add	*17.82*	
		For Elevated Installation >35' To 40', Add	*22.28*	
		For Elevated Installation >40', Add	*24.51*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	61.25	26.33
		For Seal Class B, Add	*7.90*	
		For Seal Class A, Add	*21.06*	
		For 28 Gauge, Deduct	*-1.19*	
		For 24 Gauge, Add	*1.19*	
		For 22 Gauge, Add	*2.37*	
		For 20 Gauge, Add	*3.56*	
		For 18 Gauge, Add	*4.73*	
		For 16 Gauge, Add	*5.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.36*	
		For Work In Restricted Working Space, Add	*15.80*	
		For Elevated Installation >10' To 15', Add	*5.27*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.16*	
		For Elevated Installation >25' To 30', Add	*18.43*	
		For Elevated Installation >30' To 35', Add	*21.06*	
		For Elevated Installation >35' To 40', Add	*26.33*	
		For Elevated Installation >40', Add	*28.96*	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	78.27	33.84
		For Seal Class B, Add	*10.16*	
		For Seal Class A, Add	*27.08*	
		For 28 Gauge, Deduct	*-1.46*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*2.91*	
		For 20 Gauge, Add	*4.38*	
		For 18 Gauge, Add	*5.81*	
		For 16 Gauge, Add	*7.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.82*	
		For Work In Restricted Working Space, Add	*20.31*	
		For Elevated Installation >10' To 15', Add	*6.77*	
		For Elevated Installation >15' To 20', Add	*13.54*	
		For Elevated Installation >20' To 25', Add	*16.93*	
		For Elevated Installation >25' To 30', Add	*23.70*	
		For Elevated Installation >30' To 35', Add	*27.08*	
		For Elevated Installation >35' To 40', Add	*33.85*	
		For Elevated Installation >40', Add	*37.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	93.86	41.23
		For Seal Class B, Add	*12.37*	
		For Seal Class A, Add	*32.98*	
		For 28 Gauge, Deduct	*-1.58*	
		For 24 Gauge, Add	*1.57*	
		For 22 Gauge, Add	*3.14*	
		For 20 Gauge, Add	*4.72*	
		For 18 Gauge, Add	*6.28*	
		For 16 Gauge, Add	*7.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.44*	
		For Work In Restricted Working Space, Add	*24.74*	
		For Elevated Installation >10' To 15', Add	*8.25*	
		For Elevated Installation >15' To 20', Add	*16.49*	
		For Elevated Installation >20' To 25', Add	*20.61*	
		For Elevated Installation >25' To 30', Add	*28.86*	
		For Elevated Installation >30' To 35', Add	*32.98*	
		For Elevated Installation >35' To 40', Add	*41.23*	
		For Elevated Installation >40', Add	*45.35*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	143.80	64.37
		For Seal Class B, Add	*19.31*	
		For Seal Class A, Add	*51.50*	
		For 28 Gauge, Deduct	*-2.09*	
		For 24 Gauge, Add	*2.08*	
		For 22 Gauge, Add	*4.15*	
		For 20 Gauge, Add	*6.23*	
		For 18 Gauge, Add	*8.28*	
		For 16 Gauge, Add	*10.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.14*	
		For Work In Restricted Working Space, Add	*38.62*	
		For Elevated Installation >10' To 15', Add	*12.87*	
		For Elevated Installation >15' To 20', Add	*25.75*	
		For Elevated Installation >20' To 25', Add	*32.19*	
		For Elevated Installation >25' To 30', Add	*45.06*	
		For Elevated Installation >30' To 35', Add	*51.50*	
		For Elevated Installation >35' To 40', Add	*64.37*	
		For Elevated Installation >40', Add	*70.81*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	198.33	88.96
		For Seal Class B, Add	*26.69*	
		For Seal Class A, Add	*71.17*	
		For 28 Gauge, Deduct	*-2.83*	
		For 24 Gauge, Add	*2.82*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*8.45*	
		For 18 Gauge, Add	*11.23*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.10*	
		For Work In Restricted Working Space, Add	*53.38*	
		For Elevated Installation >10' To 15', Add	*17.79*	
		For Elevated Installation >15' To 20', Add	*35.58*	
		For Elevated Installation >20' To 25', Add	*44.48*	
		For Elevated Installation >25' To 30', Add	*62.27*	
		For Elevated Installation >30' To 35', Add	*71.17*	
		For Elevated Installation >35' To 40', Add	*88.96*	
		For Elevated Installation >40', Add	*97.86*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	241.75	105.23
		For Seal Class B, Add	*31.57*	
		For Seal Class A, Add	*84.19*	
		For 28 Gauge, Deduct	*-4.33*	
		For 24 Gauge, Add	*4.32*	
		For 22 Gauge, Add	*8.62*	
		For 20 Gauge, Add	*12.95*	
		For 18 Gauge, Add	*17.20*	
		For 16 Gauge, Add	*21.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*63.14*	
		For Elevated Installation >10' To 15', Add	*21.05*	
		For Elevated Installation >15' To 20', Add	*42.09*	
		For Elevated Installation >20' To 25', Add	*52.62*	
		For Elevated Installation >25' To 30', Add	*73.66*	
		For Elevated Installation >30' To 35', Add	*84.19*	
		For Elevated Installation >35' To 40', Add	*105.24*	
		For Elevated Installation >40', Add	*115.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	276.27	115.72
		For Seal Class B, Add	*34.72*	
		For Seal Class A, Add	*92.58*	
		For 28 Gauge, Deduct	*-6.21*	
		For 24 Gauge, Add	*6.19*	
		For 22 Gauge, Add	*12.35*	
		For 20 Gauge, Add	*18.56*	
		For 18 Gauge, Add	*24.66*	
		For 16 Gauge, Add	*30.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.17*	
		For Work In Restricted Working Space, Add	*69.43*	
		For Elevated Installation >10' To 15', Add	*23.14*	
		For Elevated Installation >15' To 20', Add	*46.29*	
		For Elevated Installation >20' To 25', Add	*57.86*	
		For Elevated Installation >25' To 30', Add	*81.00*	
		For Elevated Installation >30' To 35', Add	*92.58*	
		For Elevated Installation >35' To 40', Add	*115.72*	
		For Elevated Installation >40', Add	*127.29*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	307.96	120.42
		For Seal Class B, Add	*36.13*	
		For Seal Class A, Add	*96.34*	
		For 28 Gauge, Deduct	*-9.30*	
		For 24 Gauge, Add	*9.26*	
		For 22 Gauge, Add	*18.49*	
		For 20 Gauge, Add	*27.79*	
		For 18 Gauge, Add	*36.92*	
		For 16 Gauge, Add	*45.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.67*	
		For Work In Restricted Working Space, Add	*72.25*	
		For Elevated Installation >10' To 15', Add	*24.08*	
		For Elevated Installation >15' To 20', Add	*48.17*	
		For Elevated Installation >20' To 25', Add	*60.21*	
		For Elevated Installation >25' To 30', Add	*84.29*	
		For Elevated Installation >30' To 35', Add	*96.34*	
		For Elevated Installation >35' To 40', Add	*120.42*	
		For Elevated Installation >40', Add	*132.46*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	338.29	124.40
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*99.52*	
		For 28 Gauge, Deduct	*-12.39*	
		For 24 Gauge, Add	*12.35*	
		For 22 Gauge, Add	*24.65*	
		For 20 Gauge, Add	*37.05*	
		For 18 Gauge, Add	*49.22*	
		For 16 Gauge, Add	*60.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.22*	
		For Work In Restricted Working Space, Add	*74.64*	
		For Elevated Installation >10' To 15', Add	*24.88*	
		For Elevated Installation >15' To 20', Add	*49.76*	
		For Elevated Installation >20' To 25', Add	*62.20*	
		For Elevated Installation >25' To 30', Add	*87.08*	
		For Elevated Installation >30' To 35', Add	*99.52*	
		For Elevated Installation >35' To 40', Add	*124.40*	
		For Elevated Installation >40', Add	*136.84*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	38.45	13.01
		For Seal Class B, Add	*4.88*	
		For Seal Class A, Add	*13.02*	
		For 28 Gauge, Deduct	*-0.82*	
		For 24 Gauge, Add	*0.81*	
		For 22 Gauge, Add	*1.63*	
		For 20 Gauge, Add	*2.44*	
		For 18 Gauge, Add	*3.25*	
		For 16 Gauge, Add	*3.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.37*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.39*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	43.92	14.90
		For Seal Class B, Add	*5.58*	
		For Seal Class A, Add	*14.88*	
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.85*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.70*	
		For 16 Gauge, Add	*4.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.98*	
		For Work In Restricted Working Space, Add	*11.16*	
		For Elevated Installation >10' To 15', Add	*3.72*	
		For Elevated Installation >15' To 20', Add	*7.44*	
		For Elevated Installation >20' To 25', Add	*9.30*	
		For Elevated Installation >25' To 30', Add	*13.02*	
		For Elevated Installation >30' To 35', Add	*14.88*	
		For Elevated Installation >35' To 40', Add	*18.60*	
		For Elevated Installation >40', Add	*20.45*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	51.06	17.36
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*17.36*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.06*	
		For 22 Gauge, Add	*2.11*	
		For 20 Gauge, Add	*3.17*	
		For 18 Gauge, Add	*4.21*	
		For 16 Gauge, Add	*5.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.67*	
		For Work In Restricted Working Space, Add	*13.02*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.68*	
		For Elevated Installation >20' To 25', Add	*10.85*	
		For Elevated Installation >25' To 30', Add	*15.19*	
		For Elevated Installation >30' To 35', Add	*17.36*	
		For Elevated Installation >35' To 40', Add	*21.70*	
		For Elevated Installation >40', Add	*23.87*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	60.20	20.83
		For Seal Class B, Add	*7.81*	
		For Seal Class A, Add	*20.83*	
		For 28 Gauge, Deduct	*-1.12*	
		For 24 Gauge, Add	*1.12*	
		For 22 Gauge, Add	*2.24*	
		For 20 Gauge, Add	*3.36*	
		For 18 Gauge, Add	*4.47*	
		For 16 Gauge, Add	*5.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.01*	
		For Work In Restricted Working Space, Add	*15.62*	
		For Elevated Installation >10' To 15', Add	*5.21*	
		For Elevated Installation >15' To 20', Add	*10.42*	
		For Elevated Installation >20' To 25', Add	*13.02*	
		For Elevated Installation >25' To 30', Add	*18.23*	
		For Elevated Installation >30' To 35', Add	*20.83*	
		For Elevated Installation >35' To 40', Add	*26.04*	
		For Elevated Installation >40', Add	*28.64*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	74.52	26.04
		For Seal Class B, Add	*9.76*	
		For Seal Class A, Add	*26.04*	
		For 28 Gauge, Deduct	*-1.31*	
		For 24 Gauge, Add	*1.30*	
		For 22 Gauge, Add	*2.60*	
		For 20 Gauge, Add	*3.90*	
		For 18 Gauge, Add	*5.19*	
		For 16 Gauge, Add	*6.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.98*	
		For Work In Restricted Working Space, Add	*19.53*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.02*	
		For Elevated Installation >20' To 25', Add	*16.27*	
		For Elevated Installation >25' To 30', Add	*22.78*	
		For Elevated Installation >30' To 35', Add	*26.04*	
		For Elevated Installation >35' To 40', Add	*32.55*	
		For Elevated Installation >40', Add	*35.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	100.26	34.72
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*34.72*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*26.04*	
		For Elevated Installation >10' To 15', Add	*8.68*	
		For Elevated Installation >15' To 20', Add	*17.36*	
		For Elevated Installation >20' To 25', Add	*21.70*	
		For Elevated Installation >25' To 30', Add	*30.38*	
		For Elevated Installation >30' To 35', Add	*34.72*	
		For Elevated Installation >35' To 40', Add	*43.40*	
		For Elevated Installation >40', Add	*47.73*	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	148.01	52.08
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*52.08*	
		For 28 Gauge, Deduct	*-2.47*	
		For 24 Gauge, Add	*2.46*	
		For 22 Gauge, Add	*4.91*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*9.80*	
		For 16 Gauge, Add	*12.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.19*	
		For Work In Restricted Working Space, Add	*39.06*	
		For Elevated Installation >10' To 15', Add	*13.02*	
		For Elevated Installation >15' To 20', Add	*26.04*	
		For Elevated Installation >20' To 25', Add	*32.55*	
		For Elevated Installation >25' To 30', Add	*45.57*	
		For Elevated Installation >30' To 35', Add	*52.08*	
		For Elevated Installation >35' To 40', Add	*65.10*	
		For Elevated Installation >40', Add	*71.60*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	199.70	66.54
		For Seal Class B, Add	*24.95*	
		For Seal Class A, Add	*66.54*	
		For 28 Gauge, Deduct	*-4.62*	
		For 24 Gauge, Add	*4.60*	
		For 22 Gauge, Add	*9.19*	
		For 20 Gauge, Add	*13.81*	
		For 18 Gauge, Add	*18.34*	
		For 16 Gauge, Add	*22.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.68*	
		For Work In Restricted Working Space, Add	*49.91*	
		For Elevated Installation >10' To 15', Add	*16.64*	
		For Elevated Installation >15' To 20', Add	*33.27*	
		For Elevated Installation >20' To 25', Add	*41.59*	
		For Elevated Installation >25' To 30', Add	*58.22*	
		For Elevated Installation >30' To 35', Add	*66.54*	
		For Elevated Installation >35' To 40', Add	*83.18*	
		For Elevated Installation >40', Add	*91.49*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	250.55	83.90
		For Seal Class B, Add	*31.46*	
		For Seal Class A, Add	*83.90*	
		For 28 Gauge, Deduct	*-5.65*	
		For 24 Gauge, Add	*5.63*	
		For 22 Gauge, Add	*11.24*	
		For 20 Gauge, Add	*16.90*	
		For 18 Gauge, Add	*22.45*	
		For 16 Gauge, Add	*27.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.20*	
		For Work In Restricted Working Space, Add	*62.92*	
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	281.81	87.51
		For Seal Class B, Add	*32.76*	
		For Seal Class A, Add	*87.37*	
		For 28 Gauge, Deduct	*-8.78*	
		For 24 Gauge, Add	*8.75*	
		For 22 Gauge, Add	*17.46*	
		For 20 Gauge, Add	*26.24*	
		For 18 Gauge, Add	*34.86*	
		For 16 Gauge, Add	*42.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.91*	
		For Work In Restricted Working Space, Add	*65.53*	
		For Elevated Installation >10' To 15', Add	*21.84*	
		For Elevated Installation >15' To 20', Add	*43.68*	
		For Elevated Installation >20' To 25', Add	*54.61*	
		For Elevated Installation >25' To 30', Add	*76.45*	
		For Elevated Installation >30' To 35', Add	*87.37*	
		For Elevated Installation >35' To 40', Add	*109.21*	
		For Elevated Installation >40', Add	*120.13*	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	308.73	89.68
		For Seal Class B, Add	*33.63*	
		For Seal Class A, Add	*89.68*	
		For 28 Gauge, Deduct	*-11.71*	
		For 24 Gauge, Add	*11.66*	
		For 22 Gauge, Add	*23.29*	
		For 20 Gauge, Add	*34.99*	
		For 18 Gauge, Add	*46.49*	
		For 16 Gauge, Add	*57.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.54*	
		For Work In Restricted Working Space, Add	*67.26*	
		For Elevated Installation >10' To 15', Add	*22.42*	
		For Elevated Installation >15' To 20', Add	*44.84*	
		For Elevated Installation >20' To 25', Add	*56.05*	
		For Elevated Installation >25' To 30', Add	*78.47*	
		For Elevated Installation >30' To 35', Add	*89.68*	
		For Elevated Installation >35' To 40', Add	*112.11*	
		For Elevated Installation >40', Add	*123.32*	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	36.26	13.01
		For Seal Class B, Add	*4.88*	
		For Seal Class A, Add	*13.02*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.04*	
		For 16 Gauge, Add	*2.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.39*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.90*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	41.95	14.90
		For Seal Class B, Add	*5.58*	
		For Seal Class A, Add	*14.88*	
		For 28 Gauge, Deduct	*-0.66*	
		For 24 Gauge, Add	*0.66*	
		For 22 Gauge, Add	*1.31*	
		For 20 Gauge, Add	*1.97*	
		For 18 Gauge, Add	*2.62*	
		For 16 Gauge, Add	*3.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.52*	
		For Work In Restricted Working Space, Add	*11.16*	
		For Elevated Installation >10' To 15', Add	*3.72*	
		For Elevated Installation >15' To 20', Add	*7.44*	
		For Elevated Installation >20' To 25', Add	*9.30*	
		For Elevated Installation >25' To 30', Add	*13.02*	
		For Elevated Installation >30' To 35', Add	*14.88*	
		For Elevated Installation >35' To 40', Add	*18.60*	
		For Elevated Installation >40', Add	*20.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	48.60	17.36
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*17.36*	
		For 28 Gauge, Deduct	*-0.72*	
		For 24 Gauge, Add	*0.72*	
		For 22 Gauge, Add	*1.43*	
		For 20 Gauge, Add	*2.15*	
		For 18 Gauge, Add	*2.86*	
		For 16 Gauge, Add	*3.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.85*	
		For Work In Restricted Working Space, Add	*13.02*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.68*	
		For Elevated Installation >20' To 25', Add	*10.85*	
		For Elevated Installation >25' To 30', Add	*15.19*	
		For Elevated Installation >30' To 35', Add	*17.36*	
		For Elevated Installation >35' To 40', Add	*21.70*	
		For Elevated Installation >40', Add	*23.87*	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	58.11	20.83
		For Seal Class B, Add	*7.81*	
		For Seal Class A, Add	*20.83*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.66*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.32*	
		For 16 Gauge, Add	*4.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.46*	
		For Work In Restricted Working Space, Add	*15.62*	
		For Elevated Installation >10' To 15', Add	*5.21*	
		For Elevated Installation >15' To 20', Add	*10.42*	
		For Elevated Installation >20' To 25', Add	*13.02*	
		For Elevated Installation >25' To 30', Add	*18.23*	
		For Elevated Installation >30' To 35', Add	*20.83*	
		For Elevated Installation >35' To 40', Add	*26.04*	
		For Elevated Installation >40', Add	*28.64*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	71.95	26.04
		For Seal Class B, Add	*9.76*	
		For Seal Class A, Add	*26.04*	
		For 28 Gauge, Deduct	*-0.95*	
		For 24 Gauge, Add	*0.95*	
		For 22 Gauge, Add	*1.89*	
		For 20 Gauge, Add	*2.84*	
		For 18 Gauge, Add	*3.77*	
		For 16 Gauge, Add	*4.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.08*	
		For Work In Restricted Working Space, Add	*19.53*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.02*	
		For Elevated Installation >20' To 25', Add	*16.27*	
		For Elevated Installation >25' To 30', Add	*22.78*	
		For Elevated Installation >30' To 35', Add	*26.04*	
		For Elevated Installation >35' To 40', Add	*32.55*	
		For Elevated Installation >40', Add	*35.80*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	97.25	34.72
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*34.72*	
		For 28 Gauge, Deduct	*-1.45*	
		For 24 Gauge, Add	*1.44*	
		For 22 Gauge, Add	*2.88*	
		For 20 Gauge, Add	*4.33*	
		For 18 Gauge, Add	*5.75*	
		For 16 Gauge, Add	*7.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.74*	
		For Work In Restricted Working Space, Add	*26.04*	
		For Elevated Installation >10' To 15', Add	*8.68*	
		For Elevated Installation >15' To 20', Add	*17.36*	
		For Elevated Installation >20' To 25', Add	*21.70*	
		For Elevated Installation >25' To 30', Add	*30.38*	
		For Elevated Installation >30' To 35', Add	*34.72*	
		For Elevated Installation >35' To 40', Add	*43.40*	
		For Elevated Installation >40', Add	*47.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	143.66	52.08
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*52.08*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*39.06*	
		For Elevated Installation >10' To 15', Add	*13.02*	
		For Elevated Installation >15' To 20', Add	*26.04*	
		For Elevated Installation >20' To 25', Add	*32.55*	
		For Elevated Installation >25' To 30', Add	*45.57*	
		For Elevated Installation >30' To 35', Add	*52.08*	
		For Elevated Installation >35' To 40', Add	*65.10*	
		For Elevated Installation >40', Add	*71.60*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	189.66	66.54
		For Seal Class B, Add	*24.95*	
		For Seal Class A, Add	*66.54*	
		For 28 Gauge, Deduct	*-3.23*	
		For 24 Gauge, Add	*3.22*	
		For 22 Gauge, Add	*6.42*	
		For 20 Gauge, Add	*9.65*	
		For 18 Gauge, Add	*12.82*	
		For 16 Gauge, Add	*15.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.25*	
		For Work In Restricted Working Space, Add	*49.91*	
		For Elevated Installation >10' To 15', Add	*16.64*	
		For Elevated Installation >15' To 20', Add	*33.27*	
		For Elevated Installation >20' To 25', Add	*41.59*	
		For Elevated Installation >25' To 30', Add	*58.22*	
		For Elevated Installation >30' To 35', Add	*66.54*	
		For Elevated Installation >35' To 40', Add	*83.18*	
		For Elevated Installation >40', Add	*91.49*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	247.96	83.90
		For Seal Class B, Add	*31.46*	
		For Seal Class A, Add	*83.90*	
		For 28 Gauge, Deduct	*-5.29*	
		For 24 Gauge, Add	*5.27*	
		For 22 Gauge, Add	*10.53*	
		For 20 Gauge, Add	*15.82*	
		For 18 Gauge, Add	*21.02*	
		For 16 Gauge, Add	*25.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.28*	
		For Work In Restricted Working Space, Add	*62.92*	
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	264.62	87.51
		For Seal Class B, Add	*32.76*	
		For Seal Class A, Add	*87.37*	
		For 28 Gauge, Deduct	*-6.40*	
		For 24 Gauge, Add	*6.38*	
		For 22 Gauge, Add	*12.73*	
		For 20 Gauge, Add	*19.13*	
		For 18 Gauge, Add	*25.41*	
		For 16 Gauge, Add	*31.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.19*	
		For Work In Restricted Working Space, Add	*65.53*	
		For Elevated Installation >10' To 15', Add	*21.84*	
		For Elevated Installation >15' To 20', Add	*43.68*	
		For Elevated Installation >20' To 25', Add	*54.61*	
		For Elevated Installation >25' To 30', Add	*76.45*	
		For Elevated Installation >30' To 35', Add	*87.37*	
		For Elevated Installation >35' To 40', Add	*109.21*	
		For Elevated Installation >40', Add	*120.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	283.40	89.68
		For Seal Class B, Add	*33.63*	
		For Seal Class A, Add	*89.68*	
		For 28 Gauge, Deduct	*-8.20*	
		For 24 Gauge, Add	*8.17*	
		For 22 Gauge, Add	*16.31*	
		For 20 Gauge, Add	*24.50*	
		For 18 Gauge, Add	*32.55*	
		For 16 Gauge, Add	*39.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.80*	
		For Work In Restricted Working Space, Add	*67.26*	
		For Elevated Installation >10' To 15', Add	*22.42*	
		For Elevated Installation >15' To 20', Add	*44.84*	
		For Elevated Installation >20' To 25', Add	*56.05*	
		For Elevated Installation >25' To 30', Add	*78.47*	
		For Elevated Installation >30' To 35', Add	*89.68*	
		For Elevated Installation >35' To 40', Add	*112.11*	
		For Elevated Installation >40', Add	*123.32*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	57.09	19.53
		For Seal Class B, Add	*7.32*	
		For Seal Class A, Add	*19.53*	
		For 28 Gauge, Deduct	*-1.15*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.55*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.12*	
		For Work In Restricted Working Space, Add	*14.65*	
		For Elevated Installation >10' To 15', Add	*4.88*	
		For Elevated Installation >15' To 20', Add	*9.76*	
		For Elevated Installation >20' To 25', Add	*12.21*	
		For Elevated Installation >25' To 30', Add	*17.09*	
		For Elevated Installation >30' To 35', Add	*19.53*	
		For Elevated Installation >35' To 40', Add	*24.41*	
		For Elevated Installation >40', Add	*26.85*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	66.78	22.28
		For Seal Class B, Add	*8.37*	
		For Seal Class A, Add	*22.32*	
		For 28 Gauge, Deduct	*-1.52*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.02*	
		For 20 Gauge, Add	*4.55*	
		For 18 Gauge, Add	*6.04*	
		For 16 Gauge, Add	*7.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.13*	
		For Work In Restricted Working Space, Add	*16.74*	
		For Elevated Installation >10' To 15', Add	*5.58*	
		For Elevated Installation >15' To 20', Add	*11.16*	
		For Elevated Installation >20' To 25', Add	*13.95*	
		For Elevated Installation >25' To 30', Add	*19.53*	
		For Elevated Installation >30' To 35', Add	*22.32*	
		For Elevated Installation >35' To 40', Add	*27.90*	
		For Elevated Installation >40', Add	*30.69*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	77.00	26.04
		For Seal Class B, Add	*9.76*	
		For Seal Class A, Add	*26.04*	
		For 28 Gauge, Deduct	*-1.65*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.28*	
		For 20 Gauge, Add	*4.93*	
		For 18 Gauge, Add	*6.55*	
		For 16 Gauge, Add	*8.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.81*	
		For Work In Restricted Working Space, Add	*19.53*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.02*	
		For Elevated Installation >20' To 25', Add	*16.27*	
		For Elevated Installation >25' To 30', Add	*22.78*	
		For Elevated Installation >30' To 35', Add	*26.04*	
		For Elevated Installation >35' To 40', Add	*32.55*	
		For Elevated Installation >40', Add	*35.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	91.82	31.25
		For Seal Class B, Add	*11.72*	
		For Seal Class A, Add	*31.24*	
		For 28 Gauge, Deduct	*-1.90*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.78*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*7.54*	
		For 16 Gauge, Add	*9.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.15*	
		For Work In Restricted Working Space, Add	*23.43*	
		For Elevated Installation >10' To 15', Add	*7.81*	
		For Elevated Installation >15' To 20', Add	*15.62*	
		For Elevated Installation >20' To 25', Add	*19.53*	
		For Elevated Installation >25' To 30', Add	*27.34*	
		For Elevated Installation >30' To 35', Add	*31.24*	
		For Elevated Installation >35' To 40', Add	*39.06*	
		For Elevated Installation >40', Add	*42.96*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	119.82	39.05
		For Seal Class B, Add	*14.65*	
		For Seal Class A, Add	*39.06*	
		For 28 Gauge, Deduct	*-3.07*	
		For 24 Gauge, Add	*3.06*	
		For 22 Gauge, Add	*6.11*	
		For 20 Gauge, Add	*9.18*	
		For 18 Gauge, Add	*12.19*	
		For 16 Gauge, Add	*14.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.41*	
		For Work In Restricted Working Space, Add	*29.30*	
		For Elevated Installation >10' To 15', Add	*9.77*	
		For Elevated Installation >15' To 20', Add	*19.53*	
		For Elevated Installation >20' To 25', Add	*24.41*	
		For Elevated Installation >25' To 30', Add	*34.18*	
		For Elevated Installation >30' To 35', Add	*39.06*	
		For Elevated Installation >35' To 40', Add	*48.83*	
		For Elevated Installation >40', Add	*53.71*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	158.47	52.08
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*52.08*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*39.06*	
		For Elevated Installation >10' To 15', Add	*13.02*	
		For Elevated Installation >15' To 20', Add	*26.04*	
		For Elevated Installation >20' To 25', Add	*32.55*	
		For Elevated Installation >25' To 30', Add	*45.57*	
		For Elevated Installation >30' To 35', Add	*52.08*	
		For Elevated Installation >35' To 40', Add	*65.10*	
		For Elevated Installation >40', Add	*71.60*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	223.52	78.11
		For Seal Class B, Add	*29.29*	
		For Seal Class A, Add	*78.10*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*58.57*	
		For Elevated Installation >10' To 15', Add	*19.52*	
		For Elevated Installation >15' To 20', Add	*39.05*	
		For Elevated Installation >20' To 25', Add	*48.81*	
		For Elevated Installation >25' To 30', Add	*68.33*	
		For Elevated Installation >30' To 35', Add	*78.10*	
		For Elevated Installation >35' To 40', Add	*97.62*	
		For Elevated Installation >40', Add	*107.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	303.26	99.52
		For Seal Class B, Add	*37.41*	
		For Seal Class A, Add	*99.76*	
		For 28 Gauge, Deduct	*-7.46*	
		For 24 Gauge, Add	*7.43*	
		For 22 Gauge, Add	*14.84*	
		For 20 Gauge, Add	*22.30*	
		For 18 Gauge, Add	*29.62*	
		For 16 Gauge, Add	*36.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.86*	
		For Work In Restricted Working Space, Add	*74.82*	
		For Elevated Installation >10' To 15', Add	*24.94*	
		For Elevated Installation >15' To 20', Add	*49.88*	
		For Elevated Installation >20' To 25', Add	*62.35*	
		For Elevated Installation >25' To 30', Add	*87.29*	
		For Elevated Installation >30' To 35', Add	*99.76*	
		For Elevated Installation >35' To 40', Add	*124.70*	
		For Elevated Installation >40', Add	*137.17*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	390.06	126.13
		For Seal Class B, Add	*47.17*	
		For Seal Class A, Add	*125.78*	
		For 28 Gauge, Deduct	*-10.47*	
		For 24 Gauge, Add	*10.43*	
		For 22 Gauge, Add	*20.83*	
		For 20 Gauge, Add	*31.30*	
		For 18 Gauge, Add	*41.59*	
		For 16 Gauge, Add	*51.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.95*	
		For Work In Restricted Working Space, Add	*94.34*	
		For Elevated Installation >10' To 15', Add	*31.45*	
		For Elevated Installation >15' To 20', Add	*62.89*	
		For Elevated Installation >20' To 25', Add	*78.61*	
		For Elevated Installation >25' To 30', Add	*110.06*	
		For Elevated Installation >30' To 35', Add	*125.78*	
		For Elevated Installation >35' To 40', Add	*157.23*	
		For Elevated Installation >40', Add	*172.95*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	447.83	140.31
		For Seal Class B, Add	*52.73*	
		For Seal Class A, Add	*140.60*	
		For 28 Gauge, Deduct	*-13.34*	
		For 24 Gauge, Add	*13.29*	
		For 22 Gauge, Add	*26.54*	
		For 20 Gauge, Add	*39.88*	
		For 18 Gauge, Add	*52.98*	
		For 16 Gauge, Add	*65.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.28*	
		For Work In Restricted Working Space, Add	*105.45*	
		For Elevated Installation >10' To 15', Add	*35.15*	
		For Elevated Installation >15' To 20', Add	*70.30*	
		For Elevated Installation >20' To 25', Add	*87.88*	
		For Elevated Installation >25' To 30', Add	*123.03*	
		For Elevated Installation >30' To 35', Add	*140.60*	
		For Elevated Installation >35' To 40', Add	*175.75*	
		For Elevated Installation >40', Add	*193.33*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	469.96	145.37
		For Seal Class B, Add	*54.46*	
		For Seal Class A, Add	*145.23*	
		For 28 Gauge, Deduct	*-14.80*	
		For 24 Gauge, Add	*14.75*	
		For 22 Gauge, Add	*29.45*	
		For 20 Gauge, Add	*44.25*	
		For 18 Gauge, Add	*58.79*	
		For 16 Gauge, Add	*72.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*79.10*	
		For Work In Restricted Working Space, Add	*108.92*	
		For Elevated Installation >10' To 15', Add	*36.31*	
		For Elevated Installation >15' To 20', Add	*72.61*	
		For Elevated Installation >20' To 25', Add	*90.77*	
		For Elevated Installation >25' To 30', Add	*127.07*	
		For Elevated Installation >30' To 35', Add	*145.23*	
		For Elevated Installation >35' To 40', Add	*181.54*	
		For Elevated Installation >40', Add	*199.69*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	25.92	
		For Seal Class B, Add	*3.47*	
		For Seal Class A, Add	*9.26*	
		For Work In Restricted Working Space, Add	*6.94*	
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.63*	
		For Elevated Installation >20' To 25', Add	*5.79*	
		For Elevated Installation >25' To 30', Add	*8.10*	
		For Elevated Installation >30' To 35', Add	*9.26*	
		For Elevated Installation >35' To 40', Add	*11.57*	
		For Elevated Installation >40', Add	*12.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	27.30	
		For Seal Class B, Add	*3.65*	
		For Seal Class A, Add	*9.73*	
		For Work In Restricted Working Space, Add	*7.30*	
		For Elevated Installation >10' To 15', Add	*2.43*	
		For Elevated Installation >15' To 20', Add	*4.86*	
		For Elevated Installation >20' To 25', Add	*6.08*	
		For Elevated Installation >25' To 30', Add	*8.51*	
		For Elevated Installation >30' To 35', Add	*9.73*	
		For Elevated Installation >35' To 40', Add	*12.16*	
		For Elevated Installation >40', Add	*13.38*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	29.25	
		For Seal Class B, Add	*3.91*	
		For Seal Class A, Add	*10.42*	
		For Work In Restricted Working Space, Add	*7.81*	
		For Elevated Installation >10' To 15', Add	*2.60*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.51*	
		For Elevated Installation >25' To 30', Add	*9.11*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.02*	
		For Elevated Installation >40', Add	*14.32*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	31.16	
		For Seal Class B, Add	*4.12*	
		For Seal Class A, Add	*11.00*	
		For Work In Restricted Working Space, Add	*8.25*	
		For Elevated Installation >10' To 15', Add	*2.75*	
		For Elevated Installation >15' To 20', Add	*5.50*	
		For Elevated Installation >20' To 25', Add	*6.87*	
		For Elevated Installation >25' To 30', Add	*9.62*	
		For Elevated Installation >30' To 35', Add	*11.00*	
		For Elevated Installation >35' To 40', Add	*13.75*	
		For Elevated Installation >40', Add	*15.12*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	33.79	
		For Seal Class B, Add	*4.45*	
		For Seal Class A, Add	*11.86*	
		For Work In Restricted Working Space, Add	*8.90*	
		For Elevated Installation >10' To 15', Add	*2.97*	
		For Elevated Installation >15' To 20', Add	*5.93*	
		For Elevated Installation >20' To 25', Add	*7.41*	
		For Elevated Installation >25' To 30', Add	*10.38*	
		For Elevated Installation >30' To 35', Add	*11.86*	
		For Elevated Installation >35' To 40', Add	*14.83*	
		For Elevated Installation >40', Add	*16.31*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	39.66	
		For Seal Class B, Add	*4.97*	
		For Seal Class A, Add	*13.25*	
		For Work In Restricted Working Space, Add	*9.94*	
		For Elevated Installation >10' To 15', Add	*3.31*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.28*	
		For Elevated Installation >25' To 30', Add	*11.60*	
		For Elevated Installation >30' To 35', Add	*13.25*	
		For Elevated Installation >35' To 40', Add	*16.57*	
		For Elevated Installation >40', Add	*18.22*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	54.16	
		For Seal Class B, Add	*6.94*	
		For Seal Class A, Add	*18.52*	
		For Work In Restricted Working Space, Add	*13.89*	
		For Elevated Installation >10' To 15', Add	*4.63*	
		For Elevated Installation >15' To 20', Add	*9.26*	
		For Elevated Installation >20' To 25', Add	*11.57*	
		For Elevated Installation >25' To 30', Add	*16.20*	
		For Elevated Installation >30' To 35', Add	*18.52*	
		For Elevated Installation >35' To 40', Add	*23.15*	
		For Elevated Installation >40', Add	*25.46*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	61.83	
		For Seal Class B, Add	*7.90*	
		For Seal Class A, Add	*21.07*	
		For Work In Restricted Working Space, Add	*15.80*	
		For Elevated Installation >10' To 15', Add	*5.27*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.17*	
		For Elevated Installation >25' To 30', Add	*18.43*	
		For Elevated Installation >30' To 35', Add	*21.07*	
		For Elevated Installation >35' To 40', Add	*26.34*	
		For Elevated Installation >40', Add	*28.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	67.98	
		For Seal Class B, Add	*8.66*	
		For Seal Class A, Add	*23.09*	
		For Work In Restricted Working Space, Add	*17.32*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.55*	
		For Elevated Installation >20' To 25', Add	*14.43*	
		For Elevated Installation >25' To 30', Add	*20.21*	
		For Elevated Installation >30' To 35', Add	*23.09*	
		For Elevated Installation >35' To 40', Add	*28.87*	
		For Elevated Installation >40', Add	*31.75*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	73.95	
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*25.00*	
		For Work In Restricted Working Space, Add	*18.75*	
		For Elevated Installation >10' To 15', Add	*6.25*	
		For Elevated Installation >15' To 20', Add	*12.50*	
		For Elevated Installation >20' To 25', Add	*15.62*	
		For Elevated Installation >25' To 30', Add	*21.87*	
		For Elevated Installation >30' To 35', Add	*25.00*	
		For Elevated Installation >35' To 40', Add	*31.25*	
		For Elevated Installation >40', Add	*34.37*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	80.56	
		For Seal Class B, Add	*10.22*	
		For Seal Class A, Add	*27.25*	
		For Work In Restricted Working Space, Add	*20.44*	
		For Elevated Installation >10' To 15', Add	*6.81*	
		For Elevated Installation >15' To 20', Add	*13.63*	
		For Elevated Installation >20' To 25', Add	*17.03*	
		For Elevated Installation >25' To 30', Add	*23.85*	
		For Elevated Installation >30' To 35', Add	*27.25*	
		For Elevated Installation >35' To 40', Add	*34.07*	
		For Elevated Installation >40', Add	*37.47*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	11.43	1.34
		For Seal Class B, Add	*1.07*	
		For Seal Class A, Add	*2.86*	
		For Up To 20', Add	*1.28*	
		For >20' To 50', Add	*0.51*	
		For >200' To 500', Deduct	*-0.32*	
		For >500', Deduct	*-0.54*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.97*	
		For 20 Gauge, Add	*3.21*	
		For 18 Gauge, Add	*4.92*	
		For 16 Gauge, Add	*5.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*2.15*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	14.78	2.67
		For Seal Class B, Add	*1.29*	
		For Seal Class A, Add	*3.43*	
		For Up To 20', Add	*1.86*	
		For >20' To 50', Add	*0.74*	
		For >200' To 500', Deduct	*-0.47*	
		For >500', Deduct	*-0.78*	
		For 24 Gauge, Add	*1.24*	
		For 22 Gauge, Add	*2.85*	
		For 20 Gauge, Add	*4.65*	
		For 18 Gauge, Add	*7.13*	
		For 16 Gauge, Add	*8.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.59*	
		For Work In Restricted Working Space, Add	*2.57*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	18.81	2.67
		For Seal Class B, Add	*1.60*	
		For Seal Class A, Add	*4.26*	
		For Up To 20', Add	*2.45*	
		For >20' To 50', Add	*0.98*	
		For >200' To 500', Deduct	*-0.61*	
		For >500', Deduct	*-1.02*	
		For 24 Gauge, Add	*1.63*	
		For 22 Gauge, Add	*3.76*	
		For 20 Gauge, Add	*6.13*	
		For 18 Gauge, Add	*9.40*	
		For 16 Gauge, Add	*11.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.05*	
		For Work In Restricted Working Space, Add	*3.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	22.86	2.67
		For Seal Class B, Add	*1.92*	
		For Seal Class A, Add	*5.11*	
		For Up To 20', Add	*3.02*	
		For >20' To 50', Add	*1.21*	
		For >200' To 500', Deduct	*-0.76*	
		For >500', Deduct	*-1.26*	
		For 24 Gauge, Add	*2.02*	
		For 22 Gauge, Add	*4.64*	
		For 20 Gauge, Add	*7.56*	
		For 18 Gauge, Add	*11.59*	
		For 16 Gauge, Add	*14.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.46*	
		For Work In Restricted Working Space, Add	*3.83*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	28.41	4.00
		For Seal Class B, Add	*2.40*	
		For Seal Class A, Add	*6.40*	
		For Up To 20', Add	*3.72*	
		For >20' To 50', Add	*1.49*	
		For >200' To 500', Deduct	*-0.93*	
		For >500', Deduct	*-1.55*	
		For 24 Gauge, Add	*2.48*	
		For 22 Gauge, Add	*5.70*	
		For 20 Gauge, Add	*9.30*	
		For 18 Gauge, Add	*14.26*	
		For 16 Gauge, Add	*17.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.18*	
		For Work In Restricted Working Space, Add	*4.80*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	34.38	4.00
		For Seal Class B, Add	*3.00*	
		For Seal Class A, Add	*8.00*	
		For Up To 20', Add	*4.31*	
		For >20' To 50', Add	*1.72*	
		For >200' To 500', Deduct	*-1.08*	
		For >500', Deduct	*-1.80*	
		For 24 Gauge, Add	*2.87*	
		For 22 Gauge, Add	*6.61*	
		For 20 Gauge, Add	*10.78*	
		For 18 Gauge, Add	*16.53*	
		For 16 Gauge, Add	*20.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.63*	
		For Work In Restricted Working Space, Add	*6.00*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	47.52	4.00
		For Seal Class B, Add	*4.00*	
		For Seal Class A, Add	*10.66*	
		For Up To 20', Add	*6.26*	
		For >20' To 50', Add	*2.50*	
		For >200' To 500', Deduct	*-1.57*	
		For >500', Deduct	*-2.61*	
		For 24 Gauge, Add	*4.17*	
		For 22 Gauge, Add	*9.60*	
		For 20 Gauge, Add	*15.65*	
		For 18 Gauge, Add	*24.00*	
		For 16 Gauge, Add	*29.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.44*	
		For Work In Restricted Working Space, Add	*8.00*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	54.20	5.33
		For Seal Class B, Add	*4.66*	
		For Seal Class A, Add	*12.42*	
		For Up To 20', Add	*6.94*	
		For >20' To 50', Add	*2.78*	
		For >200' To 500', Deduct	*-1.74*	
		For >500', Deduct	*-2.89*	
		For 24 Gauge, Add	*4.63*	
		For 22 Gauge, Add	*10.64*	
		For 20 Gauge, Add	*17.36*	
		For 18 Gauge, Add	*26.61*	
		For 16 Gauge, Add	*32.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.12*	
		For Work In Restricted Working Space, Add	*9.32*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	61.08	5.33
		For Seal Class B, Add	*5.29*	
		For Seal Class A, Add	*14.11*	
		For Up To 20', Add	*7.74*	
		For >20' To 50', Add	*3.10*	
		For >200' To 500', Deduct	*-1.94*	
		For >500', Deduct	*-3.23*	
		For 24 Gauge, Add	*5.16*	
		For 22 Gauge, Add	*11.87*	
		For 20 Gauge, Add	*19.36*	
		For 18 Gauge, Add	*29.68*	
		For 16 Gauge, Add	*36.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.10*	
		For Work In Restricted Working Space, Add	*10.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	68.26	6.67
		For Seal Class B, Add	*5.96*	
		For Seal Class A, Add	*15.89*	
		For Up To 20', Add	*8.56*	
		For >20' To 50', Add	*3.42*	
		For >200' To 500', Deduct	*-2.14*	
		For >500', Deduct	*-3.57*	
		For 24 Gauge, Add	*5.71*	
		For 22 Gauge, Add	*13.12*	
		For 20 Gauge, Add	*21.40*	
		For 18 Gauge, Add	*32.81*	
		For 16 Gauge, Add	*39.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.11*	
		For Work In Restricted Working Space, Add	*11.92*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	75.46	8.01
		For Seal Class B, Add	*6.67*	
		For Seal Class A, Add	*17.78*	
		For Up To 20', Add	*9.30*	
		For >20' To 50', Add	*3.72*	
		For >200' To 500', Deduct	*-2.33*	
		For >500', Deduct	*-3.88*	
		For 24 Gauge, Add	*6.20*	
		For 22 Gauge, Add	*14.26*	
		For 20 Gauge, Add	*23.25*	
		For 18 Gauge, Add	*35.65*	
		For 16 Gauge, Add	*43.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.94*	
		For Work In Restricted Working Space, Add	*13.34*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	91.68	18.68
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*28.85*	
		For 24 Gauge, Add	*3.91*	
		For 22 Gauge, Add	*9.00*	
		For 20 Gauge, Add	*14.67*	
		For 18 Gauge, Add	*22.49*	
		For 16 Gauge, Add	*27.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.47*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	134.50	26.68
		For Seal Class B, Add	*16.01*	
		For Seal Class A, Add	*42.69*	
		For 24 Gauge, Add	*5.55*	
		For 22 Gauge, Add	*12.77*	
		For 20 Gauge, Add	*20.83*	
		For 18 Gauge, Add	*31.94*	
		For 16 Gauge, Add	*38.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.55*	
		For Work In Restricted Working Space, Add	*32.02*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	193.41	34.69
		For Seal Class B, Add	*21.07*	
		For Seal Class A, Add	*56.18*	
		For 24 Gauge, Add	*10.59*	
		For 22 Gauge, Add	*24.37*	
		For 20 Gauge, Add	*39.73*	
		For 18 Gauge, Add	*60.92*	
		For 16 Gauge, Add	*74.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.20*	
		For Work In Restricted Working Space, Add	*42.13*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	240.25	44.03
		For Seal Class B, Add	*26.68*	
		For Seal Class A, Add	*71.15*	
		For 24 Gauge, Add	*12.47*	
		For 22 Gauge, Add	*28.69*	
		For 20 Gauge, Add	*46.78*	
		For 18 Gauge, Add	*71.73*	
		For 16 Gauge, Add	*87.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.15*	
		For Work In Restricted Working Space, Add	*53.36*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	295.58	56.04
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*88.94*	
		For 24 Gauge, Add	*14.65*	
		For 22 Gauge, Add	*33.69*	
		For 20 Gauge, Add	*54.92*	
		For 18 Gauge, Add	*84.21*	
		For 16 Gauge, Add	*102.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.19*	
		For Work In Restricted Working Space, Add	*66.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	324.09	61.37
		For Seal Class B, Add	*36.39*	
		For Seal Class A, Add	*97.03*	
		For 24 Gauge, Add	*16.30*	
		For 22 Gauge, Add	*37.50*	
		For 20 Gauge, Add	*61.14*	
		For 18 Gauge, Add	*93.75*	
		For 16 Gauge, Add	*114.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.32*	
		For Work In Restricted Working Space, Add	*72.77*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	382.32	72.04
		For Seal Class B, Add	*43.04*	
		For Seal Class A, Add	*114.76*	
		For 24 Gauge, Add	*19.08*	
		For 22 Gauge, Add	*43.89*	
		For 20 Gauge, Add	*71.56*	
		For 18 Gauge, Add	*109.72*	
		For 16 Gauge, Add	*133.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*70.60*	
		For Work In Restricted Working Space, Add	*86.07*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	465.56	89.39
		For Seal Class B, Add	*53.37*	
		For Seal Class A, Add	*142.31*	
		For 24 Gauge, Add	*21.96*	
		For 22 Gauge, Add	*50.50*	
		For 20 Gauge, Add	*82.34*	
		For 18 Gauge, Add	*126.26*	
		For 16 Gauge, Add	*153.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.24*	
		For Work In Restricted Working Space, Add	*106.73*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	559.96	108.06
		For Seal Class B, Add	*64.56*	
		For Seal Class A, Add	*172.15*	
		For 24 Gauge, Add	*25.92*	
		For 22 Gauge, Add	*59.61*	
		For 20 Gauge, Add	*97.19*	
		For 18 Gauge, Add	*149.03*	
		For 16 Gauge, Add	*181.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*95.90*	
		For Work In Restricted Working Space, Add	*129.11*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	650.53	125.41
		For Seal Class B, Add	*75.52*	
		For Seal Class A, Add	*201.38*	
		For 24 Gauge, Add	*29.42*	
		For 22 Gauge, Add	*67.66*	
		For 20 Gauge, Add	*110.31*	
		For 18 Gauge, Add	*169.14*	
		For 16 Gauge, Add	*205.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*108.84*	
		For Work In Restricted Working Space, Add	*151.04*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	749.23	142.75
		For Seal Class B, Add	*85.16*	
		For Seal Class A, Add	*227.09*	
		For 24 Gauge, Add	*36.30*	
		For 22 Gauge, Add	*83.49*	
		For 20 Gauge, Add	*136.13*	
		For 18 Gauge, Add	*208.74*	
		For 16 Gauge, Add	*254.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*134.32*	
		For Work In Restricted Working Space, Add	*170.32*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	92.60	18.68
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*28.85*	
		For 24 Gauge, Add	*4.10*	
		For 22 Gauge, Add	*9.42*	
		For 20 Gauge, Add	*15.36*	
		For 18 Gauge, Add	*23.55*	
		For 16 Gauge, Add	*28.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.16*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	129.74	26.68
		For Seal Class B, Add	*16.01*	
		For Seal Class A, Add	*42.69*	
		For 24 Gauge, Add	*4.60*	
		For 22 Gauge, Add	*10.58*	
		For 20 Gauge, Add	*17.26*	
		For 18 Gauge, Add	*26.46*	
		For 16 Gauge, Add	*32.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.03*	
		For Work In Restricted Working Space, Add	*32.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	171.30	34.69
		For Seal Class B, Add	*21.07*	
		For Seal Class A, Add	*56.18*	
		For 24 Gauge, Add	*6.17*	
		For 22 Gauge, Add	*14.20*	
		For 20 Gauge, Add	*23.15*	
		For 18 Gauge, Add	*35.49*	
		For 16 Gauge, Add	*43.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.84*	
		For Work In Restricted Working Space, Add	*42.13*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	216.45	44.03
		For Seal Class B, Add	*26.68*	
		For Seal Class A, Add	*71.15*	
		For 24 Gauge, Add	*7.71*	
		For 22 Gauge, Add	*17.74*	
		For 20 Gauge, Add	*28.93*	
		For 18 Gauge, Add	*44.36*	
		For 16 Gauge, Add	*54.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.54*	
		For Work In Restricted Working Space, Add	*53.36*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	267.17	56.04
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*88.94*	
		For 24 Gauge, Add	*8.96*	
		For 22 Gauge, Add	*20.62*	
		For 20 Gauge, Add	*33.62*	
		For 18 Gauge, Add	*51.54*	
		For 16 Gauge, Add	*62.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.17*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	292.40	61.37
		For Seal Class B, Add	*36.39*	
		For Seal Class A, Add	*97.03*	
		For 24 Gauge, Add	*9.97*	
		For 22 Gauge, Add	*22.92*	
		For 20 Gauge, Add	*37.37*	
		For 18 Gauge, Add	*57.30*	
		For 16 Gauge, Add	*69.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.87*	
		For Work In Restricted Working Space, Add	*72.77*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	368.60	72.04
		For Seal Class B, Add	*43.04*	
		For Seal Class A, Add	*114.76*	
		For 24 Gauge, Add	*16.34*	
		For 22 Gauge, Add	*37.58*	
		For 20 Gauge, Add	*61.27*	
		For 18 Gauge, Add	*93.94*	
		For 16 Gauge, Add	*114.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.45*	
		For Work In Restricted Working Space, Add	*86.07*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	455.84	89.39
		For Seal Class B, Add	*53.37*	
		For Seal Class A, Add	*142.31*	
		For 24 Gauge, Add	*20.01*	
		For 22 Gauge, Add	*46.03*	
		For 20 Gauge, Add	*75.05*	
		For 18 Gauge, Add	*115.08*	
		For 16 Gauge, Add	*140.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*74.05*	
		For Work In Restricted Working Space, Add	*106.73*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	556.98	108.06
		For Seal Class B, Add	*64.56*	
		For Seal Class A, Add	*172.15*	
		For 24 Gauge, Add	*25.32*	
		For 22 Gauge, Add	*58.24*	
		For 20 Gauge, Add	*94.96*	
		For 18 Gauge, Add	*145.60*	
		For 16 Gauge, Add	*177.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*93.69*	
		For Work In Restricted Working Space, Add	*129.11*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	616.79	125.41
		For Seal Class B, Add	*75.52*	
		For Seal Class A, Add	*201.38*	
		For 24 Gauge, Add	*22.67*	
		For 22 Gauge, Add	*52.14*	
		For 20 Gauge, Add	*85.01*	
		For 18 Gauge, Add	*130.34*	
		For 16 Gauge, Add	*158.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*83.87*	
		For Work In Restricted Working Space, Add	*151.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	737.22	142.75
		For Seal Class B, Add	*85.16*	
		For Seal Class A, Add	*227.09*	
		For 24 Gauge, Add	*33.90*	
		For 22 Gauge, Add	*77.97*	
		For 20 Gauge, Add	*127.13*	
		For 18 Gauge, Add	*194.93*	
		For 16 Gauge, Add	*237.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*125.43*	
		For Work In Restricted Working Space, Add	*170.32*	
23 31 13 16-0111		Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*		
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	184.47	34.69
		For Seal Class B, Add	*21.07*	
		For Seal Class A, Add	*56.18*	
		For 24 Gauge, Add	*8.81*	
		For 22 Gauge, Add	*20.25*	
		For 20 Gauge, Add	*33.02*	
		For 18 Gauge, Add	*50.63*	
		For 16 Gauge, Add	*61.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.58*	
		For Work In Restricted Working Space, Add	*42.13*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	268.51	56.04
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*88.94*	
		For 24 Gauge, Add	*9.23*	
		For 22 Gauge, Add	*21.23*	
		For 20 Gauge, Add	*34.62*	
		For 18 Gauge, Add	*53.08*	
		For 16 Gauge, Add	*64.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.16*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	337.59	72.04
		For Seal Class B, Add	*43.04*	
		For Seal Class A, Add	*114.76*	
		For 24 Gauge, Add	*10.14*	
		For 22 Gauge, Add	*23.31*	
		For 20 Gauge, Add	*38.01*	
		For 18 Gauge, Add	*58.28*	
		For 16 Gauge, Add	*70.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.50*	
		For Work In Restricted Working Space, Add	*86.07*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	408.71	89.39
		For Seal Class B, Add	*53.37*	
		For Seal Class A, Add	*142.31*	
		For 24 Gauge, Add	*10.59*	
		For 22 Gauge, Add	*24.35*	
		For 20 Gauge, Add	*39.71*	
		For 18 Gauge, Add	*60.88*	
		For 16 Gauge, Add	*74.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.18*	
		For Work In Restricted Working Space, Add	*106.73*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	485.04	108.06
		For Seal Class B, Add	*64.56*	
		For Seal Class A, Add	*172.15*	
		For 24 Gauge, Add	*10.93*	
		For 22 Gauge, Add	*25.15*	
		For 20 Gauge, Add	*41.00*	
		For 18 Gauge, Add	*62.87*	
		For 16 Gauge, Add	*76.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.46*	
		For Work In Restricted Working Space, Add	*129.11*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	562.91	125.41
		For Seal Class B, Add	*75.52*	
		For Seal Class A, Add	*201.38*	
		For 24 Gauge, Add	*11.89*	
		For 22 Gauge, Add	*27.35*	
		For 20 Gauge, Add	*44.60*	
		For 18 Gauge, Add	*68.38*	
		For 16 Gauge, Add	*83.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.00*	
		For Work In Restricted Working Space, Add	*151.04*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	629.57	142.75
		For Seal Class B, Add	*85.16*	
		For Seal Class A, Add	*227.09*	
		For 24 Gauge, Add	*12.37*	
		For 22 Gauge, Add	*28.45*	
		For 20 Gauge, Add	*46.39*	
		For 18 Gauge, Add	*71.13*	
		For 16 Gauge, Add	*86.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.77*	
		For Work In Restricted Working Space, Add	*170.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	714.91	162.76
		For Seal Class B, Add	*97.62*	
		For Seal Class A, Add	*260.32*	
		For 24 Gauge, Add	*12.82*	
		For 22 Gauge, Add	*29.49*	
		For 20 Gauge, Add	*48.08*	
		For 18 Gauge, Add	*73.73*	
		For 16 Gauge, Add	*89.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.44*	
		For Work In Restricted Working Space, Add	*195.24*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	798.30	180.11
		For Seal Class B, Add	*108.17*	
		For Seal Class A, Add	*288.46*	
		For 24 Gauge, Add	*15.43*	
		For 22 Gauge, Add	*35.49*	
		For 20 Gauge, Add	*57.86*	
		For 18 Gauge, Add	*88.72*	
		For 16 Gauge, Add	*108.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.09*	
		For Work In Restricted Working Space, Add	*216.35*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	864.46	196.11
		For Seal Class B, Add	*117.72*	
		For Seal Class A, Add	*313.92*	
		For 24 Gauge, Add	*15.93*	
		For 22 Gauge, Add	*36.65*	
		For 20 Gauge, Add	*59.75*	
		For 18 Gauge, Add	*91.62*	
		For 16 Gauge, Add	*111.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*58.96*	
		For Work In Restricted Working Space, Add	*235.44*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	280.65	60.43
		For Seal Class B, Add	*36.28*	
		For Seal Class A, Add	*96.75*	
		For 24 Gauge, Add	*7.76*	
		For 22 Gauge, Add	*17.84*	
		For 20 Gauge, Add	*29.09*	
		For 18 Gauge, Add	*44.60*	
		For 16 Gauge, Add	*54.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.70*	
		For Work In Restricted Working Space, Add	*72.56*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	339.74	72.71
		For Seal Class B, Add	*43.62*	
		For Seal Class A, Add	*116.31*	
		For 24 Gauge, Add	*9.79*	
		For 22 Gauge, Add	*22.52*	
		For 20 Gauge, Add	*36.72*	
		For 18 Gauge, Add	*56.30*	
		For 16 Gauge, Add	*68.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.23*	
		For Work In Restricted Working Space, Add	*87.23*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	412.75	88.32
		For Seal Class B, Add	*53.00*	
		For Seal Class A, Add	*141.33*	
		For 24 Gauge, Add	*11.89*	
		For 22 Gauge, Add	*27.34*	
		For 20 Gauge, Add	*44.57*	
		For 18 Gauge, Add	*68.34*	
		For 16 Gauge, Add	*83.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.98*	
		For Work In Restricted Working Space, Add	*106.00*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	491.37	104.99
		For Seal Class B, Add	*63.09*	
		For Seal Class A, Add	*168.24*	
		For 24 Gauge, Add	*14.15*	
		For 22 Gauge, Add	*32.55*	
		For 20 Gauge, Add	*53.08*	
		For 18 Gauge, Add	*81.39*	
		For 16 Gauge, Add	*99.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.37*	
		For Work In Restricted Working Space, Add	*126.18*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	621.74	135.01
		For Seal Class B, Add	*80.96*	
		For Seal Class A, Add	*215.88*	
		For 24 Gauge, Add	*16.41*	
		For 22 Gauge, Add	*37.74*	
		For 20 Gauge, Add	*61.53*	
		For 18 Gauge, Add	*94.35*	
		For 16 Gauge, Add	*114.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.71*	
		For Work In Restricted Working Space, Add	*161.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	690.73	149.82
		For Seal Class B, Add	*89.82*	
		For Seal Class A, Add	*239.52*	
		For 24 Gauge, Add	*18.39*	
		For 22 Gauge, Add	*42.29*	
		For 20 Gauge, Add	*68.95*	
		For 18 Gauge, Add	*105.72*	
		For 16 Gauge, Add	*128.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.03*	
		For Work In Restricted Working Space, Add	*179.64*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	785.32	170.50
		For Seal Class B, Add	*102.10*	
		For Seal Class A, Add	*272.27*	
		For 24 Gauge, Add	*20.93*	
		For 22 Gauge, Add	*48.13*	
		For 20 Gauge, Add	*78.48*	
		For 18 Gauge, Add	*120.34*	
		For 16 Gauge, Add	*146.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*77.43*	
		For Work In Restricted Working Space, Add	*204.20*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	843.28	181.84
		For Seal Class B, Add	*109.00*	
		For Seal Class A, Add	*290.66*	
		For 24 Gauge, Add	*23.33*	
		For 22 Gauge, Add	*53.65*	
		For 20 Gauge, Add	*87.47*	
		For 18 Gauge, Add	*134.12*	
		For 16 Gauge, Add	*163.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*86.31*	
		For Work In Restricted Working Space, Add	*218.00*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	914.88	197.19
		For Seal Class B, Add	*118.28*	
		For Seal Class A, Add	*315.40*	
		For 24 Gauge, Add	*25.28*	
		For 22 Gauge, Add	*58.13*	
		For 20 Gauge, Add	*94.79*	
		For 18 Gauge, Add	*145.34*	
		For 16 Gauge, Add	*176.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*93.52*	
		For Work In Restricted Working Space, Add	*236.55*	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	371.34	80.04
		For Seal Class B, Add	*47.97*	
		For Seal Class A, Add	*127.91*	
		For 24 Gauge, Add	*10.31*	
		For 22 Gauge, Add	*23.72*	
		For 20 Gauge, Add	*38.67*	
		For 18 Gauge, Add	*59.29*	
		For 16 Gauge, Add	*72.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.15*	
		For Work In Restricted Working Space, Add	*95.93*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	451.28	97.39
		For Seal Class B, Add	*58.31*	
		For Seal Class A, Add	*155.50*	
		For 24 Gauge, Add	*12.51*	
		For 22 Gauge, Add	*28.77*	
		For 20 Gauge, Add	*46.91*	
		For 18 Gauge, Add	*71.92*	
		For 16 Gauge, Add	*87.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.28*	
		For Work In Restricted Working Space, Add	*116.62*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	537.13	115.41
		For Seal Class B, Add	*69.39*	
		For Seal Class A, Add	*185.04*	
		For 24 Gauge, Add	*14.91*	
		For 22 Gauge, Add	*34.28*	
		For 20 Gauge, Add	*55.90*	
		For 18 Gauge, Add	*85.71*	
		For 16 Gauge, Add	*104.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.15*	
		For Work In Restricted Working Space, Add	*138.78*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	623.46	134.48
		For Seal Class B, Add	*80.56*	
		For Seal Class A, Add	*214.84*	
		For 24 Gauge, Add	*17.27*	
		For 22 Gauge, Add	*39.73*	
		For 20 Gauge, Add	*64.78*	
		For 18 Gauge, Add	*99.33*	
		For 16 Gauge, Add	*120.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*63.91*	
		For Work In Restricted Working Space, Add	*161.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	697.73	150.36
		For Seal Class B, Add	*90.14*	
		For Seal Class A, Add	*240.38*	
		For 24 Gauge, Add	*19.35*	
		For 22 Gauge, Add	*44.51*	
		For 20 Gauge, Add	*72.58*	
		For 18 Gauge, Add	*111.29*	
		For 16 Gauge, Add	*135.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.61*	
		For Work In Restricted Working Space, Add	*180.29*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	793.60	171.03
		For Seal Class B, Add	*102.52*	
		For Seal Class A, Add	*273.39*	
		For 24 Gauge, Add	*22.03*	
		For 22 Gauge, Add	*50.66*	
		For 20 Gauge, Add	*82.60*	
		For 18 Gauge, Add	*126.65*	
		For 16 Gauge, Add	*154.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.50*	
		For Work In Restricted Working Space, Add	*205.04*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	886.00	190.78
		For Seal Class B, Add	*114.49*	
		For Seal Class A, Add	*305.30*	
		For 24 Gauge, Add	*24.55*	
		For 22 Gauge, Add	*56.47*	
		For 20 Gauge, Add	*92.07*	
		For 18 Gauge, Add	*141.17*	
		For 16 Gauge, Add	*171.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*90.84*	
		For Work In Restricted Working Space, Add	*228.97*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	960.64	207.06
		For Seal Class B, Add	*124.14*	
		For Seal Class A, Add	*331.05*	
		For 24 Gauge, Add	*26.60*	
		For 22 Gauge, Add	*61.19*	
		For 20 Gauge, Add	*99.77*	
		For 18 Gauge, Add	*152.97*	
		For 16 Gauge, Add	*186.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*98.43*	
		For Work In Restricted Working Space, Add	*248.29*	
23 31 13 16-0139		**Slip Joint, Galvanized, Spiral Duct Reducers** *(23 31 13 16-0074)*		
23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	122.56	26.68
		For Seal Class B, Add	*16.01*	
		For Seal Class A, Add	*42.69*	
		For 24 Gauge, Add	*3.17*	
		For 22 Gauge, Add	*7.28*	
		For 20 Gauge, Add	*11.87*	
		For 18 Gauge, Add	*18.20*	
		For 16 Gauge, Add	*22.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.71*	
		For Work In Restricted Working Space, Add	*32.02*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	157.86	34.69
		For Seal Class B, Add	*21.07*	
		For Seal Class A, Add	*56.18*	
		For 24 Gauge, Add	*3.48*	
		For 22 Gauge, Add	*8.01*	
		For 20 Gauge, Add	*13.07*	
		For 18 Gauge, Add	*20.03*	
		For 16 Gauge, Add	*24.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.89*	
		For Work In Restricted Working Space, Add	*42.13*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	197.17	44.03
		For Seal Class B, Add	*26.68*	
		For Seal Class A, Add	*71.15*	
		For 24 Gauge, Add	*3.86*	
		For 22 Gauge, Add	*8.87*	
		For 20 Gauge, Add	*14.47*	
		For 18 Gauge, Add	*22.18*	
		For 16 Gauge, Add	*27.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.27*	
		For Work In Restricted Working Space, Add	*53.36*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	243.50	56.04
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*88.94*	
		For 24 Gauge, Add	*4.23*	
		For 22 Gauge, Add	*9.73*	
		For 20 Gauge, Add	*15.86*	
		For 18 Gauge, Add	*24.32*	
		For 16 Gauge, Add	*29.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.65*	
		For Work In Restricted Working Space, Add	*66.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	266.11	61.37
		For Seal Class B, Add	*36.39*	
		For Seal Class A, Add	*97.03*	
		For 24 Gauge, Add	*4.71*	
		For 22 Gauge, Add	*10.83*	
		For 20 Gauge, Add	*17.66*	
		For 18 Gauge, Add	*27.07*	
		For 16 Gauge, Add	*32.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.42*	
		For Work In Restricted Working Space, Add	*72.77*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	327.61	72.04
		For Seal Class B, Add	*43.04*	
		For Seal Class A, Add	*114.76*	
		For 24 Gauge, Add	*8.14*	
		For 22 Gauge, Add	*18.72*	
		For 20 Gauge, Add	*30.53*	
		For 18 Gauge, Add	*46.81*	
		For 16 Gauge, Add	*56.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.12*	
		For Work In Restricted Working Space, Add	*86.07*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	399.26	89.39
		For Seal Class B, Add	*53.37*	
		For Seal Class A, Add	*142.31*	
		For 24 Gauge, Add	*8.70*	
		For 22 Gauge, Add	*20.01*	
		For 20 Gauge, Add	*32.62*	
		For 18 Gauge, Add	*50.01*	
		For 16 Gauge, Add	*60.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.18*	
		For Work In Restricted Working Space, Add	*106.73*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	476.79	108.06
		For Seal Class B, Add	*64.56*	
		For Seal Class A, Add	*172.15*	
		For 24 Gauge, Add	*9.28*	
		For 22 Gauge, Add	*21.35*	
		For 20 Gauge, Add	*34.82*	
		For 18 Gauge, Add	*53.38*	
		For 16 Gauge, Add	*64.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.35*	
		For Work In Restricted Working Space, Add	*129.11*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	552.80	125.41
		For Seal Class B, Add	*75.52*	
		For Seal Class A, Add	*201.38*	
		For 24 Gauge, Add	*9.87*	
		For 22 Gauge, Add	*22.70*	
		For 20 Gauge, Add	*37.01*	
		For 18 Gauge, Add	*56.75*	
		For 16 Gauge, Add	*69.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.52*	
		For Work In Restricted Working Space, Add	*151.04*	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	619.73	142.75
		For Seal Class B, Add	*85.16*	
		For Seal Class A, Add	*227.09*	
		For 24 Gauge, Add	*10.40*	
		For 22 Gauge, Add	*23.92*	
		For 20 Gauge, Add	*39.01*	
		For 18 Gauge, Add	*59.81*	
		For 16 Gauge, Add	*72.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.49*	
		For Work In Restricted Working Space, Add	*170.32*	
23 31 13 16-0150		**Slip Joint, Galvanized, Spiral Duct Couplings** *(23 31 13 16-0074)*		
23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	79.61	18.68
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*28.85*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*3.45*	
		For 20 Gauge, Add	*5.62*	
		For 18 Gauge, Add	*8.61*	
		For 16 Gauge, Add	*10.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.54*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	115.24	26.68
		For Seal Class B, Add	*16.01*	
		For Seal Class A, Add	*42.69*	
		For 24 Gauge, Add	*1.70*	
		For 22 Gauge, Add	*3.91*	
		For 20 Gauge, Add	*6.38*	
		For 18 Gauge, Add	*9.79*	
		For 16 Gauge, Add	*11.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.30*	
		For Work In Restricted Working Space, Add	*32.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	149.62	34.69
		For Seal Class B, Add	*21.07*	
		For Seal Class A, Add	*56.18*	
		For 24 Gauge, Add	*1.84*	
		For 22 Gauge, Add	*4.22*	
		For 20 Gauge, Add	*6.89*	
		For 18 Gauge, Add	*10.56*	
		For 16 Gauge, Add	*12.85*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.79*	
		For Work In Restricted Working Space, Add	*42.13*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	187.72	44.03
		For Seal Class B, Add	*26.68*	
		For Seal Class A, Add	*71.15*	
		For 24 Gauge, Add	*1.97*	
		For 22 Gauge, Add	*4.53*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*11.32*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.28*	
		For Work In Restricted Working Space, Add	*53.36*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	232.86	56.04
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*88.94*	
		For 24 Gauge, Add	*2.10*	
		For 22 Gauge, Add	*4.83*	
		For 20 Gauge, Add	*7.88*	
		For 18 Gauge, Add	*12.09*	
		For 16 Gauge, Add	*14.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.78*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	253.74	61.37
		For Seal Class B, Add	*36.39*	
		For Seal Class A, Add	*97.03*	
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.14*	
		For 20 Gauge, Add	*8.38*	
		For 18 Gauge, Add	*12.85*	
		For 16 Gauge, Add	*15.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.27*	
		For Work In Restricted Working Space, Add	*72.77*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	299.28	72.04
		For Seal Class B, Add	*43.04*	
		For Seal Class A, Add	*114.76*	
		For 24 Gauge, Add	*2.47*	
		For 22 Gauge, Add	*5.69*	
		For 20 Gauge, Add	*9.28*	
		For 18 Gauge, Add	*14.23*	
		For 16 Gauge, Add	*17.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.15*	
		For Work In Restricted Working Space, Add	*86.07*	
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	368.80	89.39
		For Seal Class B, Add	*53.37*	
		For Seal Class A, Add	*142.31*	
		For 24 Gauge, Add	*2.61*	
		For 22 Gauge, Add	*5.99*	
		For 20 Gauge, Add	*9.77*	
		For 18 Gauge, Add	*14.98*	
		For 16 Gauge, Add	*18.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.64*	
		For Work In Restricted Working Space, Add	*106.73*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	444.20	108.06
		For Seal Class B, Add	*64.56*	
		For Seal Class A, Add	*172.15*	
		For 24 Gauge, Add	*2.77*	
		For 22 Gauge, Add	*6.36*	
		For 20 Gauge, Add	*10.37*	
		For 18 Gauge, Add	*15.90*	
		For 16 Gauge, Add	*19.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.23*	
		For Work In Restricted Working Space, Add	*129.11*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	517.81	252.15
		For Seal Class B, Add	*75.52*	
		For Seal Class A, Add	*201.38*	
		For 24 Gauge, Add	*2.87*	
		For 22 Gauge, Add	*6.61*	
		For 20 Gauge, Add	*10.77*	
		For 18 Gauge, Add	*16.51*	
		For 16 Gauge, Add	*20.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.63*	
		For Work In Restricted Working Space, Add	*151.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	582.88	284.17
		For Seal Class B, Add	*85.16*	
		For Seal Class A, Add	*227.09*	
		For 24 Gauge, Add	*3.03*	
		For 22 Gauge, Add	*6.97*	
		For 20 Gauge, Add	*11.37*	
		For 18 Gauge, Add	*17.43*	
		For 16 Gauge, Add	*21.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.22*	
		For Work In Restricted Working Space, Add	*170.32*	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*

23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	44.84	18.68
		For Seal Class B, Add	*5.41*	
		For Seal Class A, Add	*14.42*	
		For 24 Gauge, Add	*1.76*	
		For 22 Gauge, Add	*4.04*	
		For 20 Gauge, Add	*6.59*	
		For 18 Gauge, Add	*10.10*	
		For 16 Gauge, Add	*12.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.50*	
		For Work In Restricted Working Space, Add	*10.82*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	63.20	26.68
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*21.34*	
		For 24 Gauge, Add	*1.97*	
		For 22 Gauge, Add	*4.53*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*11.32*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.28*	
		For Work In Restricted Working Space, Add	*16.01*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	80.98	36.02
		For Seal Class B, Add	*10.53*	
		For Seal Class A, Add	*28.08*	
		For 24 Gauge, Add	*2.15*	
		For 22 Gauge, Add	*4.95*	
		For 20 Gauge, Add	*8.08*	
		For 18 Gauge, Add	*12.39*	
		For 16 Gauge, Add	*15.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.97*	
		For Work In Restricted Working Space, Add	*21.06*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	100.92	45.36
		For Seal Class B, Add	*13.34*	
		For Seal Class A, Add	*35.58*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*5.51*	
		For 20 Gauge, Add	*8.98*	
		For 18 Gauge, Add	*13.77*	
		For 16 Gauge, Add	*16.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.86*	
		For Work In Restricted Working Space, Add	*26.69*	
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	124.48	56.04
		For Seal Class B, Add	*16.68*	
		For Seal Class A, Add	*44.47*	
		For 24 Gauge, Add	*2.66*	
		For 22 Gauge, Add	*6.12*	
		For 20 Gauge, Add	*9.98*	
		For 18 Gauge, Add	*15.30*	
		For 16 Gauge, Add	*18.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.84*	
		For Work In Restricted Working Space, Add	*33.35*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	135.91	61.37
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*48.51*	
		For 24 Gauge, Add	*2.93*	
		For 22 Gauge, Add	*6.73*	
		For 20 Gauge, Add	*10.97*	
		For 18 Gauge, Add	*16.82*	
		For 16 Gauge, Add	*20.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.83*	
		For Work In Restricted Working Space, Add	*36.38*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	157.33	70.71
		For Seal Class B, Add	*21.07*	
		For Seal Class A, Add	*56.18*	
		For 24 Gauge, Add	*3.38*	
		For 22 Gauge, Add	*7.77*	
		For 20 Gauge, Add	*12.67*	
		For 18 Gauge, Add	*19.42*	
		For 16 Gauge, Add	*23.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.50*	
		For Work In Restricted Working Space, Add	*42.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	234.81	89.39
		For Seal Class B, Add	*26.68*	
		For Seal Class A, Add	*71.15*	
		For 24 Gauge, Add	*11.39*	
		For 22 Gauge, Add	*26.19*	
		For 20 Gauge, Add	*42.70*	
		For 18 Gauge, Add	*65.47*	
		For 16 Gauge, Add	*79.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.13*	
		For Work In Restricted Working Space, Add	*53.36*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	284.07	110.73
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*88.94*	
		For 24 Gauge, Add	*12.34*	
		For 22 Gauge, Add	*28.39*	
		For 20 Gauge, Add	*46.29*	
		For 18 Gauge, Add	*70.98*	
		For 16 Gauge, Add	*86.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.67*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	309.08	121.40
		For Seal Class B, Add	*36.39*	
		For Seal Class A, Add	*97.03*	
		For 24 Gauge, Add	*13.30*	
		For 22 Gauge, Add	*30.59*	
		For 20 Gauge, Add	*49.88*	
		For 18 Gauge, Add	*76.49*	
		For 16 Gauge, Add	*93.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.22*	
		For Work In Restricted Working Space, Add	*72.77*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	355.29	141.41
		For Seal Class B, Add	*42.58*	
		For Seal Class A, Add	*113.54*	
		For 24 Gauge, Add	*14.29*	
		For 22 Gauge, Add	*32.86*	
		For 20 Gauge, Add	*53.57*	
		For 18 Gauge, Add	*82.14*	
		For 16 Gauge, Add	*100.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.86*	
		For Work In Restricted Working Space, Add	*85.16*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	48.61	39.05
		For Work In Restricted Working Space, Add	*14.28*	
		For Elevated Installation >10' To 15', Add	*4.76*	
		For Elevated Installation >15' To 20', Add	*9.52*	
		For Elevated Installation >20' To 25', Add	*11.90*	
		For Elevated Installation >25' To 30', Add	*16.66*	
		For Elevated Installation >30' To 35', Add	*19.04*	
		For Elevated Installation >35' To 40', Add	*23.80*	
		For Elevated Installation >40', Add	*26.17*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	45.96	18.08
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	45.96	18.08
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	49.06	19.53
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	49.06	19.53
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	51.47	19.53
		For Stainless Steel, Add	*14.90*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	53.15	20.97
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	53.15	20.97
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	54.65	20.97
		For Stainless Steel, Add	*15.24*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	53.65	22.42
		For Stainless Steel, Add	*10.57*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	56.80	23.87
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	62.96	23.87
		For Stainless Steel, Add	*18.28*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	60.24	25.32
		For Stainless Steel, Add	*11.53*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	66.27	25.32
		For Stainless Steel, Add	*18.77*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	47.60	19.53
		For Stainless Steel, Add	*10.26*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0018		EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	47.60	19.53
			For Stainless Steel, Add	*10.26*	
23 31 13 19-0019		EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	51.48	20.97
			For Stainless Steel, Add	*11.44*	
23 31 13 19-0020		EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	52.91	20.97
			For Stainless Steel, Add	*13.15*	
23 31 13 19-0021		EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	53.85	22.42
			For Stainless Steel, Add	*10.81*	
23 31 13 19-0022		EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	56.97	23.87
			For Stainless Steel, Add	*11.09*	
23 31 13 19-0023		EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	48.58	19.53
			For Stainless Steel, Add	*11.44*	
23 31 13 19-0024		EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	52.06	20.97
			For Stainless Steel, Add	*12.13*	
23 31 13 19-0025		EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	45.96	18.08
			For Stainless Steel, Add	*11.75*	
23 31 13 19-0026		EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	49.06	19.53
			For Stainless Steel, Add	*12.01*	
23 31 13 19-0027		EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	53.15	20.97
			For Stainless Steel, Add	*13.44*	
23 31 13 19-0028		EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	53.15	20.97
			For Stainless Steel, Add	*13.44*	
23 31 13 19-0029		EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	53.65	22.42
			For Stainless Steel, Add	*10.57*	
23 31 13 19-0030		EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	56.80	23.87
			For Stainless Steel, Add	*10.88*	
23 31 13 19-0031		EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	62.96	23.87
			For Stainless Steel, Add	*18.28*	
23 31 13 19-0032		EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	65.86	25.32
			For Stainless Steel, Add	*18.28*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003		LB	Galvanized Steel Welded Duct	27.88	11.84
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
			For Work In Restricted Working Space, Add	*7.12*	
			For Elevated Installation >10' To 15', Add	*2.37*	
			For Elevated Installation >15' To 20', Add	*4.75*	
			For Elevated Installation >20' To 25', Add	*5.93*	
			For Elevated Installation >25' To 30', Add	*8.31*	
			For Elevated Installation >30' To 35', Add	*9.49*	
			For Elevated Installation >35' To 40', Add	*11.87*	
			For Elevated Installation >40', Add	*13.05*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005		LB	Black Steel Ductwork	25.34	12.21
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.69*	
			For Work In Restricted Working Space, Add	*7.32*	
			For Elevated Installation >10' To 15', Add	*2.44*	
			For Elevated Installation >15' To 20', Add	*4.88*	
			For Elevated Installation >20' To 25', Add	*6.10*	
			For Elevated Installation >25' To 30', Add	*8.54*	
			For Elevated Installation >30' To 35', Add	*9.76*	
			For Elevated Installation >35' To 40', Add	*12.21*	
			For Elevated Installation >40', Add	*13.43*	

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002		SF	1" Glass Fiber Duct Board (EI-475)	12.14	2.44
23 31 16 13-0003		SF	1-1/2" Glass Fiber Duct Board (EI-800)	14.29	2.69
23 31 16 13-0004		SF	2" Glass Fiber Duct Board (EI-800)	16.54	2.95

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003		LF	2" Fiber Reinforced Plastic Duct	20.88	6.48
23 31 16 16-0004		LF	3" Fiber Reinforced Plastic Duct	26.21	7.58
23 31 16 16-0005		LF	4" Fiber Reinforced Plastic Duct	35.45	11.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	47.08	14.06
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	59.70	17.60
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	72.01	21.15
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	80.93	24.70
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	92.52	27.01
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	100.06	28.72
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	124.93	32.28
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	131.29	34.59
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	162.80	36.92
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	186.39	42.78
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	214.85	51.59
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	289.02	57.46
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	323.76	64.54
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	359.34	73.96
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	407.47	86.31
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	435.15	105.63
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	530.99	129.10
23 31 16 16-0023		**Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	71.57	26.29
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	86.10	31.17
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	99.47	36.67
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	131.05	48.90
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	160.25	61.12
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	187.07	73.35
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	232.01	91.07
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	247.77	97.80
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	268.42	104.52
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	289.06	112.47
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	315.73	122.25
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	363.93	134.47
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	419.25	146.70
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	474.94	165.04
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	530.61	183.37
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	586.27	201.71
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	726.46	244.49
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	872.46	305.62
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	1,046.90	366.74
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,197.11	415.64
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	109.56	26.29
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	126.47	31.17
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	144.59	36.67
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	188.04	48.90
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	229.11	61.12
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	270.19	73.35
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	319.87	91.07
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	354.63	97.80
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	387.16	104.52
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	412.54	112.47
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	434.47	122.25
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	506.41	134.47
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	556.99	146.70
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	681.54	165.04
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	758.58	183.37
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	859.36	201.71
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	1,011.43	244.49
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,212.05	305.62
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,412.61	366.74
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,615.06	415.64
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	184.00	63.32
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	216.40	75.67
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	251.18	88.02
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	326.21	117.36
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	401.22	146.70
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	476.28	176.04
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	585.68	218.95
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	659.42	231.78
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	747.28	251.71
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	882.11	269.93
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	1,011.51	293.40
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,167.28	322.73
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,548.59	352.07
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,966.34	396.08
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,562.15	440.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	3,027.40	484.23
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,590.19	586.79
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,357.14	733.49
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,123.61	879.94
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,841.42	997.18
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	157.86	63.32
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	185.53	75.67
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	215.54	88.02
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	273.97	117.36
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	332.36	146.70
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	395.61	176.04
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	488.41	218.95
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	528.71	231.78
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	623.57	251.59
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	711.46	270.17
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	816.70	293.40
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	936.36	322.49
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,168.19	351.83
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,418.34	396.44
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,786.14	440.46
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,089.38	484.23
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,493.06	586.79
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,998.79	733.49
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,529.72	878.23
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,990.94	998.15
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	240.58	94.49
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	284.71	113.81
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	326.91	132.02
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	424.03	176.04
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	519.19	218.95
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	620.14	265.28
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	749.63	321.52
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	817.40	347.91
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	938.61	377.99
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,054.76	404.89
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,208.55	440.21
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,376.96	484.23
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,628.03	527.99
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,940.56	594.37
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,525.38	660.38
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,991.91	726.52
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,605.19	880.79
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,327.93	1,100.72
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	5,049.98	1,320.15
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,700.75	1,496.92
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	204.93	94.49
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	241.92	113.81
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	277.07	132.02
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	355.24	176.04
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	431.41	218.95
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	518.09	265.28
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	621.67	321.76
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	674.36	347.67
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	739.38	378.11
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	798.89	405.25
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	871.86	440.46
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	963.75	484.23
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	1,062.34	527.74
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,199.00	594.00
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,338.80	660.74
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,471.60	726.27
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,760.54	878.23
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,158.35	1,102.67
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,605.58	1,321.13
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,922.30	1,496.92
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	167.40	63.45
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	197.46	75.79
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	232.25	88.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	300.09	117.36
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	363.23	146.70
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	437.05	176.77
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	521.65	218.95
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	557.21	231.78
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	614.07	251.59
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	673.47	270.17
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	750.21	293.40
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	852.00	323.11
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	953.44	352.69
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,078.75	396.44
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,204.33	440.46
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,353.21	484.23
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,607.29	586.79
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,927.78	733.49
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,176.12	878.23
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,447.35	998.15
23 31 16 16-0170		**Fiber Reinforced Plastic Two Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	195.90	63.45
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	216.46	75.79
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	251.25	88.02
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	326.21	117.36
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	401.22	146.70
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	477.43	176.77
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	573.90	218.95
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	623.70	231.78
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	680.56	251.59
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	763.71	270.17
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	949.69	293.40
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,144.09	323.11
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,228.91	352.69
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,396.97	396.44
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,517.79	440.46
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,661.93	484.23
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,856.63	586.79
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,162.88	733.49
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,437.34	878.23
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,684.83	998.15
23 31 16 16-0191		**Fiber Reinforced Plastic Butterfly Dampers** *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	494.02	63.32
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	555.45	75.67
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	616.87	88.02
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	727.11	117.36
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	857.77	146.70
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	968.03	176.04
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,100.76	218.95
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,224.47	231.78
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,359.93	251.71
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,492.48	269.93
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,592.97	293.40
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,805.41	322.73
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,099.57	352.07
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,418.29	396.08
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,777.86	440.21
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	3,096.59	484.23
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,635.52	586.79
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,247.98	733.49
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,819.10	879.94
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,545.97	997.18
23 31 16 23		**Fabric Ducts** *(23 31 16)*		
23 31 16 23-0001		Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*		
23 31 16 23-0002		Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*		
		Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.		
23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	208.58	10.05
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	325.67	13.38
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	252.63	16.73
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	375.52	21.99
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	307.11	22.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	439.64	30.60
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	358.29	29.64
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	503.74	39.20
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	399.85	33.95
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	598.63	45.42
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	439.98	37.77
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	667.79	50.20
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	479.68	43.03
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	770.33	57.37
23 31 16 23-0017		**Heavy-Duty Fabric Duct With Vents** *(23 31 16 23-0001)*		
23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	563.36	13.38
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	627.47	21.99
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	703.47	30.60
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	781.84	39.20
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	940.90	45.42
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,010.06	50.20
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,141.13	57.37
23 31 16 23-0025		**Heavy-Duty Fabric Duct 90 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	421.28	14.34
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	473.49	22.95
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	638.55	24.87
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	781.09	33.46
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	985.21	37.29
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,225.90	40.64
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,392.63	45.42
23 31 16 23-0033		**Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	323.83	14.34
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	383.17	22.95
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	429.38	24.87
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	503.00	33.46
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	581.14	37.29
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	695.85	40.64
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	793.54	45.42
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,028.29	33.46
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,083.08	35.86
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,177.79	48.28
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,240.34	54.03
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,288.10	58.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,352.61	65.98
23 31 16 23-0048		**Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	169.33	14.34
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	202.53	22.95
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	217.84	24.87
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	253.42	33.46
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	272.14	37.29
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	291.78	40.64
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	320.53	45.42
23 31 16 23-0056		**Heavy-Duty Fabric Duct Cap** *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	99.65	8.61
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	127.47	13.87
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	149.38	14.82
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	208.10	20.08
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	248.62	22.47
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	309.07	24.38
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	348.67	27.25
23 31 16 23-0064		**Heavy-Duty Fabric Duct Suspension Hardware** *(23 31 16 23-0001)*		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	40.79	7.24
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	63.44	10.87
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	15.51	3.62
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.88	0.14
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	35.54	7.24
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	72.36	7.24
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	99.33	10.87
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	19.96	3.62
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	2.69	0.14
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	47.04	7.24

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001		**Radial Opposed Blade Damper Steel Construction (Ruskin CDR)** *(23 33 13 13)*		
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	136.98	11.58
		For Stainless Steel, Add	*110.51*	
		For Parallel Blade Damper, Add	*36.84*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	145.50	13.01
		For Stainless Steel, Add	*112.10*	
		For Parallel Blade Damper, Add	*37.37*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	154.96	14.46
		For Stainless Steel, Add	*113.29*	
		For Parallel Blade Damper, Add	*37.76*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	167.07	17.36
		For Stainless Steel, Add	*120.37*	
		For Parallel Blade Damper, Add	*40.12*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	180.60	18.81
		For Stainless Steel, Add	*127.45*	
		For Parallel Blade Damper, Add	*42.48*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	217.08	20.25
		For Stainless Steel, Add	*162.85*	
		For Parallel Blade Damper, Add	*54.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	237.30	21.69
		For Stainless Steel, Add	*177.02*	
		For Parallel Blade Damper, Add	*59.01*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	249.82	24.59
		For Stainless Steel, Add	*184.07*	
		For Parallel Blade Damper, Add	*61.36*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	275.26	26.04
		For Stainless Steel, Add	*205.33*	
		For Parallel Blade Damper, Add	*68.44*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	325.63	28.93
		For Stainless Steel, Add	*254.90*	
		For Parallel Blade Damper, Add	*84.97*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	360.23	28.93
		For Stainless Steel, Add	*290.26*	
		For Parallel Blade Damper, Add	*96.75*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	413.38	33.27
		For Stainless Steel, Add	*339.83*	
		For Parallel Blade Damper, Add	*113.28*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	445.62	34.72
		For Stainless Steel, Add	*370.30*	
		For Parallel Blade Damper, Add	*123.43*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.82	16.08
		For Stainless Steel, Add	*120.70*	
		For Parallel Blade Damper, Add	*40.23*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.14	16.80
		For Stainless Steel, Add	*129.26*	
		For Parallel Blade Damper, Add	*43.09*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.62	16.95
		For Stainless Steel, Add	*137.89*	
		For Parallel Blade Damper, Add	*45.96*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.62	16.95
		For Stainless Steel, Add	*137.89*	
		For Parallel Blade Damper, Add	*45.96*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.27	17.39
		For Stainless Steel, Add	*146.53*	
		For Parallel Blade Damper, Add	*48.84*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	194.39	19.27
		For Stainless Steel, Add	*163.73*	
		For Parallel Blade Damper, Add	*54.58*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.27	17.39
		For Stainless Steel, Add	*146.53*	
		For Parallel Blade Damper, Add	*48.84*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.49	18.40
		For Stainless Steel, Add	*163.73*	
		For Parallel Blade Damper, Add	*54.58*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.63	19.27
		For Stainless Steel, Add	*172.42*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.93	21.73
		For Stainless Steel, Add	*189.28*	
		For Parallel Blade Damper, Add	*63.09*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.94	18.40
		For Stainless Steel, Add	*159.47*	
		For Parallel Blade Damper, Add	*53.16*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.63	19.27
		For Stainless Steel, Add	*172.42*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.72	20.28
		For Stainless Steel, Add	*181.04*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	223.26	21.73
		For Stainless Steel, Add	*189.67*	
		For Parallel Blade Damper, Add	*63.22*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.43	24.19
		For Stainless Steel, Add	*211.19*	
		For Parallel Blade Damper, Add	*70.40*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.63	19.27
		For Stainless Steel, Add	*172.42*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.17	20.71
		For Stainless Steel, Add	*181.04*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.15	22.74
		For Stainless Steel, Add	*189.67*	
		For Parallel Blade Damper, Add	*63.22*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.65	24.19
		For Stainless Steel, Add	*198.25*	
		For Parallel Blade Damper, Add	*66.08*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.92	26.52
		For Stainless Steel, Add	*219.88*	
		For Parallel Blade Damper, Add	*73.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.09	28.98
		For Stainless Steel, Add	*241.39*	
		For Parallel Blade Damper, Add	*80.46*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.72	20.28
		For Stainless Steel, Add	*181.04*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.81	21.73
		For Stainless Steel, Add	*193.93*	
		For Parallel Blade Damper, Add	*64.64*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.89	24.19
		For Stainless Steel, Add	*206.94*	
		For Parallel Blade Damper, Add	*68.98*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.12	26.52
		For Stainless Steel, Add	*228.52*	
		For Parallel Blade Damper, Add	*76.17*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	291.69	28.98
		For Stainless Steel, Add	*245.71*	
		For Parallel Blade Damper, Add	*81.90*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.75	31.29
		For Stainless Steel, Add	*255.08*	
		For Parallel Blade Damper, Add	*85.03*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	324.28	33.75
		For Stainless Steel, Add	*267.43*	
		For Parallel Blade Damper, Add	*89.14*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	208.89	21.73
		For Stainless Steel, Add	*172.43*	
		For Parallel Blade Damper, Add	*57.48*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.16	24.19
		For Stainless Steel, Add	*188.06*	
		For Parallel Blade Damper, Add	*62.69*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.49	26.52
		For Stainless Steel, Add	*203.76*	
		For Parallel Blade Damper, Add	*67.92*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.88	28.98
		For Stainless Steel, Add	*235.14*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.94	31.29
		For Stainless Steel, Add	*246.91*	
		For Parallel Blade Damper, Add	*82.30*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.98	33.75
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.26	36.22
		For Stainless Steel, Add	*274.31*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.52	38.54
		For Stainless Steel, Add	*289.94*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.70	24.19
		For Stainless Steel, Add	*195.91*	
		For Parallel Blade Damper, Add	*65.30*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.57	26.52
		For Stainless Steel, Add	*219.46*	
		For Parallel Blade Damper, Add	*73.15*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.88	28.98
		For Stainless Steel, Add	*235.14*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.74	31.29
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	326.75	33.75
		For Stainless Steel, Add	*270.40*	
		For Parallel Blade Damper, Add	*90.13*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.80	36.22
		For Stainless Steel, Add	*282.16*	
		For Parallel Blade Damper, Add	*94.05*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.60	38.54
		For Stainless Steel, Add	*305.64*	
		For Parallel Blade Damper, Add	*101.88*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.66	43.47
		For Stainless Steel, Add	*329.12*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	445.34	48.24
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.57	26.52
		For Stainless Steel, Add	*219.46*	
		For Parallel Blade Damper, Add	*73.15*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.88	28.98
		For Stainless Steel, Add	*235.14*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.74	31.29
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.01	33.75
		For Stainless Steel, Add	*274.31*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.56	36.22
		For Stainless Steel, Add	*293.87*	
		For Parallel Blade Damper, Add	*97.96*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.09	38.54
		For Stainless Steel, Add	*313.43*	
		For Parallel Blade Damper, Add	*104.48*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	411.20	43.47
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	445.34	48.24
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	491.72	50.71
		For Stainless Steel, Add	*407.52*	
		For Parallel Blade Damper, Add	*135.84*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	538.85	55.49
		For Stainless Steel, Add	*446.69*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.49	28.98
		For Stainless Steel, Add	*258.67*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.24	31.29
		For Stainless Steel, Add	*266.47*	
		For Parallel Blade Damper, Add	*88.82*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.01	33.75
		For Stainless Steel, Add	*274.31*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.29	36.22
		For Stainless Steel, Add	*289.94*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.36	38.54
		For Stainless Steel, Add	*314.95*	
		For Parallel Blade Damper, Add	*104.98*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	411.20	43.47
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	451.88	48.24
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	492.48	53.03
		For Stainless Steel, Add	*399.73*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	538.85	55.49
		For Stainless Steel, Add	*446.69*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	596.22	59.41
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	658.60	62.73
		For Stainless Steel, Add	*564.31*	
		For Parallel Blade Damper, Add	*188.10*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	329.31	31.29
		For Stainless Steel, Add	*282.16*	
		For Parallel Blade Damper, Add	*94.05*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.58	33.75
		For Stainless Steel, Add	*297.79*	
		For Parallel Blade Damper, Add	*99.26*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	369.86	36.22
		For Stainless Steel, Add	*313.43*	
		For Parallel Blade Damper, Add	*104.48*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	396.71	38.54
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.05	43.47
		For Stainless Steel, Add	*348.79*	
		For Parallel Blade Damper, Add	*116.26*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	438.09	45.78
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	492.48	53.03
		For Stainless Steel, Add	*399.73*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	539.56	57.95
		For Stainless Steel, Add	*438.85*	
		For Parallel Blade Damper, Add	*146.28*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	584.58	59.84
		For Stainless Steel, Add	*485.92*	
		For Parallel Blade Damper, Add	*161.97*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	649.84	64.18
		For Stainless Steel, Add	*548.57*	
		For Parallel Blade Damper, Add	*182.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	705.69	67.51
		For Stainless Steel, Add	*603.43*	
		For Parallel Blade Damper, Add	*201.14*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	765.20	69.97
		For Stainless Steel, Add	*666.14*	
		For Parallel Blade Damper, Add	*222.05*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.04	36.22
		For Stainless Steel, Add	*289.94*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.40	38.54
		For Stainless Steel, Add	*321.28*	
		For Parallel Blade Damper, Add	*107.09*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	390.17	41.00
		For Stainless Steel, Add	*329.12*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.95	43.47
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	441.32	45.78
		For Stainless Steel, Add	*364.43*	
		For Parallel Blade Damper, Add	*121.48*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	471.45	48.24
		For Stainless Steel, Add	*391.88*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	519.29	55.49
		For Stainless Steel, Add	*423.22*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	559.93	60.27
		For Stainless Steel, Add	*454.60*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	610.71	64.18
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	692.66	67.51
		For Stainless Steel, Add	*587.80*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	743.39	71.43
		For Stainless Steel, Add	*634.76*	
		For Parallel Blade Damper, Add	*211.59*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	821.06	73.31
		For Stainless Steel, Add	*721.01*	
		For Parallel Blade Damper, Add	*240.34*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	897.98	77.22
		For Stainless Steel, Add	*799.40*	
		For Parallel Blade Damper, Add	*266.47*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.37	36.22
		For Stainless Steel, Add	*305.64*	
		For Parallel Blade Damper, Add	*101.88*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	396.71	38.54
		For Stainless Steel, Add	*336.97*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	423.60	41.00
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	437.39	43.47
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	470.74	45.78
		For Stainless Steel, Add	*399.73*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	504.09	48.24
		For Stainless Steel, Add	*431.05*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	565.75	57.95
		For Stainless Steel, Add	*470.28*	
		For Parallel Blade Damper, Add	*156.76*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	612.84	62.73
		For Stainless Steel, Add	*509.40*	
		For Parallel Blade Damper, Add	*169.80*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	692.66	67.51
		For Stainless Steel, Add	*587.80*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	765.95	72.44
		For Stainless Steel, Add	*658.36*	
		For Parallel Blade Damper, Add	*219.45*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	845.68	77.22
		For Stainless Steel, Add	*736.64*	
		For Parallel Blade Damper, Add	*245.55*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	911.71	79.54
		For Stainless Steel, Add	*807.19*	
		For Parallel Blade Damper, Add	*269.06*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	977.76	82.00
		For Stainless Steel, Add	*877.75*	
		For Parallel Blade Damper, Add	*292.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,043.79	84.46
		For Stainless Steel, Add	*948.30*	
		For Parallel Blade Damper, Add	*316.10*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	390.17	38.54
		For Stainless Steel, Add	*329.12*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	423.60	41.00
		For Stainless Steel, Add	*360.55*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	437.39	43.47
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	471.45	48.24
		For Stainless Steel, Add	*391.88*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	512.05	53.03
		For Stainless Steel, Add	*423.22*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	552.68	57.95
		For Stainless Steel, Add	*454.60*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	606.35	62.73
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	659.97	67.51
		For Stainless Steel, Add	*548.57*	
		For Parallel Blade Damper, Add	*182.86*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	733.26	72.44
		For Stainless Steel, Add	*619.13*	
		For Parallel Blade Damper, Add	*206.38*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	819.57	77.22
		For Stainless Steel, Add	*705.31*	
		For Parallel Blade Damper, Add	*235.10*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	885.65	79.54
		For Stainless Steel, Add	*775.92*	
		For Parallel Blade Damper, Add	*258.64*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	971.22	82.00
		For Stainless Steel, Add	*869.90*	
		For Parallel Blade Damper, Add	*289.97*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,044.50	86.79
		For Stainless Steel, Add	*940.45*	
		For Parallel Blade Damper, Add	*313.48*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,130.10	89.25
		For Stainless Steel, Add	*1,034.48*	
		For Parallel Blade Damper, Add	*344.83*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,204.09	96.49
		For Stainless Steel, Add	*1,097.20*	
		For Parallel Blade Damper, Add	*365.73*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.07	41.00
		For Stainless Steel, Add	*352.72*	
		For Parallel Blade Damper, Add	*117.57*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	450.42	43.47
		For Stainless Steel, Add	*384.04*	
		For Parallel Blade Damper, Add	*128.01*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	491.02	48.24
		For Stainless Steel, Add	*415.37*	
		For Parallel Blade Damper, Add	*138.46*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	512.05	53.03
		For Stainless Steel, Add	*423.22*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.94	57.95
		For Stainless Steel, Add	*458.51*	
		For Parallel Blade Damper, Add	*152.84*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	599.81	62.73
		For Stainless Steel, Add	*493.76*	
		For Parallel Blade Damper, Add	*164.59*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	653.48	67.51
		For Stainless Steel, Add	*540.78*	
		For Parallel Blade Damper, Add	*180.26*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.15	72.44
		For Stainless Steel, Add	*587.80*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	780.44	77.22
		For Stainless Steel, Add	*658.36*	
		For Parallel Blade Damper, Add	*219.45*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	873.24	82.00
		For Stainless Steel, Add	*752.33*	
		For Parallel Blade Damper, Add	*250.78*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	945.77	84.46
		For Stainless Steel, Add	*830.68*	
		For Parallel Blade Damper, Add	*276.89*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,037.96	86.79
		For Stainless Steel, Add	*932.60*	
		For Parallel Blade Damper, Add	*310.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,130.77	91.71
		For Stainless Steel, Add	*1,026.59*	
		For Parallel Blade Damper, Add	*342.20*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,204.09	96.49
		For Stainless Steel, Add	*1,097.20*	
		For Parallel Blade Damper, Add	*365.73*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,304.19	103.74
		For Stainless Steel, Add	*1,191.23*	
		For Parallel Blade Damper, Add	*397.08*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,384.00	108.51
		For Stainless Steel, Add	*1,269.62*	
		For Parallel Blade Damper, Add	*423.21*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	437.39	43.47
		For Stainless Steel, Add	*368.40*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.48	48.24
		For Stainless Steel, Add	*407.52*	
		For Parallel Blade Damper, Add	*135.84*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.58	53.03
		For Stainless Steel, Add	*431.05*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	539.56	57.95
		For Stainless Steel, Add	*438.85*	
		For Parallel Blade Damper, Add	*146.28*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	590.00	62.73
		For Stainless Steel, Add	*481.99*	
		For Parallel Blade Damper, Add	*160.66*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	640.40	67.51
		For Stainless Steel, Add	*525.08*	
		For Parallel Blade Damper, Add	*175.03*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	690.81	72.44
		For Stainless Steel, Add	*568.19*	
		For Parallel Blade Damper, Add	*189.40*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	741.21	77.22
		For Stainless Steel, Add	*611.28*	
		For Parallel Blade Damper, Add	*203.76*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	834.06	82.00
		For Stainless Steel, Add	*705.31*	
		For Parallel Blade Damper, Add	*235.10*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	919.71	84.46
		For Stainless Steel, Add	*799.40*	
		For Parallel Blade Damper, Add	*266.47*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	998.78	86.79
		For Stainless Steel, Add	*885.59*	
		For Parallel Blade Damper, Add	*295.20*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,104.71	91.71
		For Stainless Steel, Add	*995.32*	
		For Parallel Blade Damper, Add	*331.77*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,197.55	96.49
		For Stainless Steel, Add	*1,089.35*	
		For Parallel Blade Damper, Add	*363.12*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,296.94	101.27
		For Stainless Steel, Add	*1,191.23*	
		For Parallel Blade Damper, Add	*397.08*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,376.76	106.20
		For Stainless Steel, Add	*1,269.62*	
		For Parallel Blade Damper, Add	*423.21*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,476.14	110.98
		For Stainless Steel, Add	*1,371.50*	
		For Parallel Blade Damper, Add	*457.17*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,575.53	115.76
		For Stainless Steel, Add	*1,473.38*	
		For Parallel Blade Damper, Add	*491.13*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	471.45	48.24
		For Stainless Steel, Add	*391.88*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.58	53.03
		For Stainless Steel, Add	*431.05*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	546.09	57.95
		For Stainless Steel, Add	*446.69*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	567.17	62.73
		For Stainless Steel, Add	*454.60*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	620.84	67.51
		For Stainless Steel, Add	*501.61*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	674.46	72.44
		For Stainless Steel, Add	*548.57*	
		For Parallel Blade Damper, Add	*182.86*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	731.40	77.22
		For Stainless Steel, Add	*599.51*	
		For Parallel Blade Damper, Add	*199.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	788.34	82.00
		For Stainless Steel, Add	*650.45*	
		For Parallel Blade Damper, Add	*216.82*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	880.48	84.46
		For Stainless Steel, Add	*752.33*	
		For Parallel Blade Damper, Add	*250.78*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	966.09	86.79
		For Stainless Steel, Add	*846.36*	
		For Parallel Blade Damper, Add	*282.12*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,065.53	91.71
		For Stainless Steel, Add	*948.30*	
		For Parallel Blade Damper, Add	*316.10*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,164.91	96.49
		For Stainless Steel, Add	*1,050.18*	
		For Parallel Blade Damper, Add	*350.06*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,244.69	101.27
		For Stainless Steel, Add	*1,128.53*	
		For Parallel Blade Damper, Add	*376.18*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,363.64	106.20
		For Stainless Steel, Add	*1,253.88*	
		For Parallel Blade Damper, Add	*417.96*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,469.56	110.98
		For Stainless Steel, Add	*1,363.61*	
		For Parallel Blade Damper, Add	*454.54*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,575.53	115.76
		For Stainless Steel, Add	*1,473.38*	
		For Parallel Blade Damper, Add	*491.13*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,668.30	120.68
		For Stainless Steel, Add	*1,567.32*	
		For Parallel Blade Damper, Add	*522.44*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,761.24	125.47
		For Stainless Steel, Add	*1,661.46*	
		For Parallel Blade Damper, Add	*553.82*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	153.12	15.65
		For Smoke Damper, Add	*90.13*	
		For Spring Activated Horizontal Mount Operation, Add	*23.86*	
		For Dynamic Damper, Add	*57.26*	
		For 3 Hour Rated, Add	*31.81*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	210.96	15.65
		For Smoke Damper, Add	*139.29*	
		For Spring Activated Horizontal Mount Operation, Add	*36.87*	
		For Dynamic Damper, Add	*88.49*	
		For 3 Hour Rated, Add	*49.16*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.30	16.08
		For Spring Activated Horizontal Mount Operation, Add	*7.21*	
		For Dynamic Damper, Add	*17.31*	
		For 3 Hour Rated, Add	*9.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.02*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.76	16.80
		For Spring Activated Horizontal Mount Operation, Add	*7.73*	
		For Dynamic Damper, Add	*18.54*	
		For 3 Hour Rated, Add	*10.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.59*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.34	16.95
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.34	16.95
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.09	17.39
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.45	19.27
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.09	17.39
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.55	18.40
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.88*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.74	19.27
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.29	21.73
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.41	18.40
		For Spring Activated Horizontal Mount Operation, Add	*9.53*	
		For Dynamic Damper, Add	*22.87*	
		For 3 Hour Rated, Add	*12.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.59*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.74	19.27
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.94	20.28
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.58	21.73
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.55	24.19
		For Spring Activated Horizontal Mount Operation, Add	*12.62*	
		For Dynamic Damper, Add	*30.30*	
		For 3 Hour Rated, Add	*16.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.03*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.74	19.27
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.39	20.71
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.47	22.74
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.10	24.19
		For Spring Activated Horizontal Mount Operation, Add	*11.85*	
		For Dynamic Damper, Add	*28.44*	
		For 3 Hour Rated, Add	*15.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.17*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.09	26.52
		For Spring Activated Horizontal Mount Operation, Add	*13.14*	
		For Dynamic Damper, Add	*31.54*	
		For 3 Hour Rated, Add	*17.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.60*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.06	28.98
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.94	20.28
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.72	21.73
		For Spring Activated Horizontal Mount Operation, Add	*11.59*	
		For Dynamic Damper, Add	*27.82*	
		For 3 Hour Rated, Add	*15.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.41	24.19
		For Spring Activated Horizontal Mount Operation, Add	*12.37*	
		For Dynamic Damper, Add	*29.68*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.38	26.52
		For Spring Activated Horizontal Mount Operation, Add	*13.66*	
		For Dynamic Damper, Add	*32.77*	
		For 3 Hour Rated, Add	*18.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.17*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.19	28.98
		For Spring Activated Horizontal Mount Operation, Add	*14.68*	
		For Dynamic Damper, Add	*35.24*	
		For 3 Hour Rated, Add	*19.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.32*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.17	31.29
		For Spring Activated Horizontal Mount Operation, Add	*15.97*	
		For Dynamic Damper, Add	*38.33*	
		For 3 Hour Rated, Add	*21.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.75*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.84	33.75
		For Spring Activated Horizontal Mount Operation, Add	*16.74*	
		For Dynamic Damper, Add	*40.19*	
		For 3 Hour Rated, Add	*22.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.61*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.58	21.73
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.39	24.19
		For Spring Activated Horizontal Mount Operation, Add	*12.36*	
		For Dynamic Damper, Add	*29.67*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.23	26.52
		For Spring Activated Horizontal Mount Operation, Add	*13.40*	
		For Dynamic Damper, Add	*32.15*	
		For 3 Hour Rated, Add	*17.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.89*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.64	28.98
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.33	31.29
		For Spring Activated Horizontal Mount Operation, Add	*16.23*	
		For Dynamic Damper, Add	*38.96*	
		For 3 Hour Rated, Add	*21.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.04*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.00	33.75
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.82	36.22
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.62	38.54
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.68	24.19
		For Spring Activated Horizontal Mount Operation, Add	*12.88*	
		For Dynamic Damper, Add	*30.91*	
		For 3 Hour Rated, Add	*17.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.31*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.82	26.52
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.64	28.98
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.76	31.29
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.43	33.75
		For Spring Activated Horizontal Mount Operation, Add	*17.78*	
		For Dynamic Damper, Add	*42.67*	
		For 3 Hour Rated, Add	*23.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.75*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.11	36.22
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.52*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.21	38.54
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.23*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.56	43.47
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.23	48.24
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.82	26.52
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.64	28.98
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.76	31.29
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.57	33.75
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.54	36.22
		For Spring Activated Horizontal Mount Operation, Add	*19.32*	
		For Dynamic Damper, Add	*46.37*	
		For 3 Hour Rated, Add	*25.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.47*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.48	38.54
		For Spring Activated Horizontal Mount Operation, Add	*20.61*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.90*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.85	43.47
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.23	48.24
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.19	50.71
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.30*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.14	55.49
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.51	28.98
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.03	31.29
		For Spring Activated Horizontal Mount Operation, Add	*17.52*	
		For Dynamic Damper, Add	*42.04*	
		For 3 Hour Rated, Add	*23.36*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.57	33.75
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.39	36.22
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.92	38.54
		For Spring Activated Horizontal Mount Operation, Add	*20.70*	
		For Dynamic Damper, Add	*49.69*	
		For 3 Hour Rated, Add	*27.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.01*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.85	43.47
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.52	48.24
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.17	53.03
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.14	55.49
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.78	59.41
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.22	62.73
		For Spring Activated Horizontal Mount Operation, Add	*37.10*	
		For Dynamic Damper, Add	*89.04*	
		For 3 Hour Rated, Add	*49.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.22*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.62	31.29
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.52*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.43	33.75
		For Spring Activated Horizontal Mount Operation, Add	*19.58*	
		For Dynamic Damper, Add	*46.99*	
		For 3 Hour Rated, Add	*26.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.75*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.25	36.22
		For Spring Activated Horizontal Mount Operation, Add	*20.61*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.90*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.36	38.54
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.30	43.47
		For Spring Activated Horizontal Mount Operation, Add	*22.93*	
		For Dynamic Damper, Add	*55.03*	
		For 3 Hour Rated, Add	*30.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.98	45.78
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.17	53.03
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.08	57.95
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.78	59.84
		For Spring Activated Horizontal Mount Operation, Add	*18.25*	
		For Dynamic Damper, Add	*43.81*	
		For 3 Hour Rated, Add	*24.34*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.28*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.00	64.18
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.15	67.51
		For Spring Activated Horizontal Mount Operation, Add	*39.67*	
		For Dynamic Damper, Add	*95.21*	
		For 3 Hour Rated, Add	*52.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.08*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.71	69.97
		For Spring Activated Horizontal Mount Operation, Add	*43.79*	
		For Dynamic Damper, Add	*105.10*	
		For 3 Hour Rated, Add	*58.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.66*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.14	36.22
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.55	38.54
		For Spring Activated Horizontal Mount Operation, Add	*21.12*	
		For Dynamic Damper, Add	*50.70*	
		For 3 Hour Rated, Add	*28.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.47*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.07	41.00
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.60	43.47
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.11	45.78
		For Spring Activated Horizontal Mount Operation, Add	*23.96*	
		For Dynamic Damper, Add	*57.50*	
		For 3 Hour Rated, Add	*31.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.62*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.38	48.24
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.27	55.49
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.92	60.27
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.27	64.18
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.58	67.51
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.90	71.43
		For Spring Activated Horizontal Mount Operation, Add	*41.73*	
		For Dynamic Damper, Add	*100.16*	
		For 3 Hour Rated, Add	*55.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.37*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.89	73.31
		For Spring Activated Horizontal Mount Operation, Add	*47.40*	
		For Dynamic Damper, Add	*113.76*	
		For 3 Hour Rated, Add	*63.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.67*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.39	77.22
		For Spring Activated Horizontal Mount Operation, Add	*52.56*	
		For Dynamic Damper, Add	*126.13*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.98	36.22
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.23*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.36	38.54
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.49	41.00
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.03	43.47
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.43	45.78
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.84	48.24
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.26	57.95
		For Spring Activated Horizontal Mount Operation, Add	*30.92*	
		For Dynamic Damper, Add	*74.20*	
		For 3 Hour Rated, Add	*41.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.35*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.18	62.73
		For Spring Activated Horizontal Mount Operation, Add	*33.49*	
		For Dynamic Damper, Add	*80.37*	
		For 3 Hour Rated, Add	*44.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.21*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.58	67.51
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.68	72.44
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.87*	
		For 3 Hour Rated, Add	*57.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.06	77.22
		For Spring Activated Horizontal Mount Operation, Add	*48.43*	
		For Dynamic Damper, Add	*116.24*	
		For 3 Hour Rated, Add	*64.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*53.81*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.91	79.54
		For Spring Activated Horizontal Mount Operation, Add	*53.07*	
		For Dynamic Damper, Add	*127.36*	
		For 3 Hour Rated, Add	*70.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.97*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.77	82.00
		For Spring Activated Horizontal Mount Operation, Add	*57.71*	
		For Dynamic Damper, Add	*138.49*	
		For 3 Hour Rated, Add	*76.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.12*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.63	84.46
		For Spring Activated Horizontal Mount Operation, Add	*62.35*	
		For Dynamic Damper, Add	*149.63*	
		For 3 Hour Rated, Add	*83.13*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.07	38.54
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.49	41.00
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.03	43.47
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.38	48.24
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.03	53.03
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.67	57.95
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.91	62.73
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.13	67.51
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.23	72.44
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.69*	
		For 3 Hour Rated, Add	*54.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.23*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.90	77.22
		For Spring Activated Horizontal Mount Operation, Add	*46.37*	
		For Dynamic Damper, Add	*111.29*	
		For 3 Hour Rated, Add	*61.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.76	79.54
		For Spring Activated Horizontal Mount Operation, Add	*51.01*	
		For Dynamic Damper, Add	*122.42*	
		For 3 Hour Rated, Add	*68.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*56.68*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.47	82.00
		For Spring Activated Horizontal Mount Operation, Add	*57.19*	
		For Dynamic Damper, Add	*137.25*	
		For 3 Hour Rated, Add	*76.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.54*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.59	86.79
		For Spring Activated Horizontal Mount Operation, Add	*61.83*	
		For Dynamic Damper, Add	*148.39*	
		For 3 Hour Rated, Add	*82.44*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.70*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.30	89.25
		For Spring Activated Horizontal Mount Operation, Add	*68.01*	
		For Dynamic Damper, Add	*163.23*	
		For 3 Hour Rated, Add	*90.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*75.57*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.35	96.49
		For Spring Activated Horizontal Mount Operation, Add	*72.13*	
		For Dynamic Damper, Add	*173.12*	
		For 3 Hour Rated, Add	*96.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.15*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.19	41.00
		For Spring Activated Horizontal Mount Operation, Add	*23.19*	
		For Dynamic Damper, Add	*55.65*	
		For 3 Hour Rated, Add	*30.92*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.76*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.60	43.47
		For Spring Activated Horizontal Mount Operation, Add	*25.25*	
		For Dynamic Damper, Add	*60.59*	
		For 3 Hour Rated, Add	*33.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.05*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.25	48.24
		For Spring Activated Horizontal Mount Operation, Add	*27.31*	
		For Dynamic Damper, Add	*65.54*	
		For 3 Hour Rated, Add	*36.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.34*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.03	53.03
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.83	57.95
		For Spring Activated Horizontal Mount Operation, Add	*30.15*	
		For Dynamic Damper, Add	*72.35*	
		For 3 Hour Rated, Add	*40.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.61	62.73
		For Spring Activated Horizontal Mount Operation, Add	*32.46*	
		For Dynamic Damper, Add	*77.91*	
		For 3 Hour Rated, Add	*43.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.07*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.85	67.51
		For Spring Activated Horizontal Mount Operation, Add	*35.55*	
		For Dynamic Damper, Add	*85.33*	
		For 3 Hour Rated, Add	*47.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.51*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.07	72.44
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.17	77.22
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.87*	
		For 3 Hour Rated, Add	*57.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.13	82.00
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.71*	
		For 3 Hour Rated, Add	*65.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.96*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.26	84.46
		For Spring Activated Horizontal Mount Operation, Add	*54.61*	
		For Dynamic Damper, Add	*131.07*	
		For 3 Hour Rated, Add	*72.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*60.68*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.30	86.79
		For Spring Activated Horizontal Mount Operation, Add	*61.31*	
		For Dynamic Damper, Add	*147.16*	
		For 3 Hour Rated, Add	*81.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.13*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	575.24	91.71
		For Spring Activated Horizontal Mount Operation, Add	*67.49*	
		For Dynamic Damper, Add	*161.98*	
		For 3 Hour Rated, Add	*89.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.99*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.35	96.49
		For Spring Activated Horizontal Mount Operation, Add	*72.13*	
		For Dynamic Damper, Add	*173.12*	
		For 3 Hour Rated, Add	*96.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.15*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.57	103.74
		For Spring Activated Horizontal Mount Operation, Add	*78.32*	
		For Dynamic Damper, Add	*187.96*	
		For 3 Hour Rated, Add	*104.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.02*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.95	108.51
		For Spring Activated Horizontal Mount Operation, Add	*83.47*	
		For Dynamic Damper, Add	*200.32*	
		For 3 Hour Rated, Add	*111.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.74*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.03	43.47
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.95	48.24
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.30*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.33	53.03
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.08	57.95
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.18	62.73
		For Spring Activated Horizontal Mount Operation, Add	*31.69*	
		For Dynamic Damper, Add	*76.05*	
		For 3 Hour Rated, Add	*42.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.21*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.26	67.51
		For Spring Activated Horizontal Mount Operation, Add	*34.52*	
		For Dynamic Damper, Add	*82.85*	
		For 3 Hour Rated, Add	*46.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.34	72.44
		For Spring Activated Horizontal Mount Operation, Add	*37.35*	
		For Dynamic Damper, Add	*89.65*	
		For 3 Hour Rated, Add	*49.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.51*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.42	77.22
		For Spring Activated Horizontal Mount Operation, Add	*40.19*	
		For Dynamic Damper, Add	*96.45*	
		For 3 Hour Rated, Add	*53.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.65*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.39	82.00
		For Spring Activated Horizontal Mount Operation, Add	*46.37*	
		For Dynamic Damper, Add	*111.29*	
		For 3 Hour Rated, Add	*61.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.12	84.46
		For Spring Activated Horizontal Mount Operation, Add	*52.56*	
		For Dynamic Damper, Add	*126.13*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.40*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.55	86.79
		For Spring Activated Horizontal Mount Operation, Add	*58.22*	
		For Dynamic Damper, Add	*139.73*	
		For 3 Hour Rated, Add	*77.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.69*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.10	91.71
		For Spring Activated Horizontal Mount Operation, Add	*65.43*	
		For Dynamic Damper, Add	*157.04*	
		For 3 Hour Rated, Add	*87.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.71*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	608.06	96.49
		For Spring Activated Horizontal Mount Operation, Add	*71.62*	
		For Dynamic Damper, Add	*171.88*	
		For 3 Hour Rated, Add	*95.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*79.58*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	652.32	101.27
		For Spring Activated Horizontal Mount Operation, Add	*78.32*	
		For Dynamic Damper, Add	*187.96*	
		For 3 Hour Rated, Add	*104.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.02*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	689.71	106.20
		For Spring Activated Horizontal Mount Operation, Add	*83.47*	
		For Dynamic Damper, Add	*200.32*	
		For 3 Hour Rated, Add	*111.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.74*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	733.96	110.98
		For Spring Activated Horizontal Mount Operation, Add	*90.17*	
		For Dynamic Damper, Add	*216.40*	
		For 3 Hour Rated, Add	*120.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.19*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.22	115.76
		For Spring Activated Horizontal Mount Operation, Add	*96.86*	
		For Dynamic Damper, Add	*232.48*	
		For 3 Hour Rated, Add	*129.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.63*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.38	48.24
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.33	53.03
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.38	57.95
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.16	62.73
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.40	67.51
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.62	72.44
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.99	77.22
		For Spring Activated Horizontal Mount Operation, Add	*39.42*	
		For Dynamic Damper, Add	*94.60*	
		For 3 Hour Rated, Add	*52.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.80*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.36	82.00
		For Spring Activated Horizontal Mount Operation, Add	*42.76*	
		For Dynamic Damper, Add	*102.63*	
		For 3 Hour Rated, Add	*57.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.52*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.37	84.46
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.71*	
		For 3 Hour Rated, Add	*65.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.96*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	508.10	86.79
		For Spring Activated Horizontal Mount Operation, Add	*55.64*	
		For Dynamic Damper, Add	*133.55*	
		For 3 Hour Rated, Add	*74.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.83*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	552.37	91.71
		For Spring Activated Horizontal Mount Operation, Add	*62.35*	
		For Dynamic Damper, Add	*149.63*	
		For 3 Hour Rated, Add	*83.13*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	596.62	96.49
		For Spring Activated Horizontal Mount Operation, Add	*69.04*	
		For Dynamic Damper, Add	*165.70*	
		For 3 Hour Rated, Add	*92.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*76.72*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.00	101.27
		For Spring Activated Horizontal Mount Operation, Add	*74.19*	
		For Dynamic Damper, Add	*178.07*	
		For 3 Hour Rated, Add	*98.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.44*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	685.12	106.20
		For Spring Activated Horizontal Mount Operation, Add	*82.44*	
		For Dynamic Damper, Add	*197.85*	
		For 3 Hour Rated, Add	*109.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.60*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	731.67	110.98
		For Spring Activated Horizontal Mount Operation, Add	*89.65*	
		For Dynamic Damper, Add	*215.16*	
		For 3 Hour Rated, Add	*119.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.61*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.22	115.76
		For Spring Activated Horizontal Mount Operation, Add	*96.86*	
		For Dynamic Damper, Add	*232.48*	
		For 3 Hour Rated, Add	*129.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.63*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.17	120.68
		For Spring Activated Horizontal Mount Operation, Add	*103.04*	
		For Dynamic Damper, Add	*247.30*	
		For 3 Hour Rated, Add	*137.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.49*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	862.17	125.47
		For Spring Activated Horizontal Mount Operation, Add	*109.23*	
		For Dynamic Damper, Add	*262.16*	
		For 3 Hour Rated, Add	*145.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*121.37*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.59	16.08
		For Spring Activated Horizontal Mount Operation, Add	*14.93*	
		For Dynamic Damper, Add	*35.83*	
		For 3 Hour Rated, Add	*19.91*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.61	16.80
		For Spring Activated Horizontal Mount Operation, Add	*15.57*	
		For Dynamic Damper, Add	*37.36*	
		For 3 Hour Rated, Add	*20.76*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.77	16.95
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.77	16.95
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.09	17.39
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.59	19.27
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.55*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.09	17.39
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.69	18.40
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.55*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.46	19.27
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.10*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.58	21.73
		For Spring Activated Horizontal Mount Operation, Add	*19.44*	
		For Dynamic Damper, Add	*46.65*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.27	18.40
		For Spring Activated Horizontal Mount Operation, Add	*17.82*	
		For Dynamic Damper, Add	*42.78*	
		For 3 Hour Rated, Add	*23.77*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.46	19.27
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.10*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.23	20.28
		For Spring Activated Horizontal Mount Operation, Add	*19.44*	
		For Dynamic Damper, Add	*46.65*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.44	21.73
		For Spring Activated Horizontal Mount Operation, Add	*20.08*	
		For Dynamic Damper, Add	*48.19*	
		For 3 Hour Rated, Add	*26.77*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.84	24.19
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.06*	
		For 3 Hour Rated, Add	*28.92*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.59	19.27
		For Spring Activated Horizontal Mount Operation, Add	*26.24*	
		For Dynamic Damper, Add	*62.99*	
		For 3 Hour Rated, Add	*34.99*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.15	20.71
		For Spring Activated Horizontal Mount Operation, Add	*26.97*	
		For Dynamic Damper, Add	*64.72*	
		For 3 Hour Rated, Add	*35.96*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.16	22.74
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.46*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.69	24.19
		For Spring Activated Horizontal Mount Operation, Add	*28.41*	
		For Dynamic Damper, Add	*68.18*	
		For 3 Hour Rated, Add	*37.88*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.98	26.52
		For Spring Activated Horizontal Mount Operation, Add	*30.22*	
		For Dynamic Damper, Add	*72.52*	
		For 3 Hour Rated, Add	*40.29*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.24	28.98
		For Spring Activated Horizontal Mount Operation, Add	*32.02*	
		For Dynamic Damper, Add	*76.85*	
		For 3 Hour Rated, Add	*42.69*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.70	20.28
		For Spring Activated Horizontal Mount Operation, Add	*26.97*	
		For Dynamic Damper, Add	*64.72*	
		For 3 Hour Rated, Add	*35.96*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.86	21.73
		For Spring Activated Horizontal Mount Operation, Add	*28.05*	
		For Dynamic Damper, Add	*67.32*	
		For 3 Hour Rated, Add	*37.40*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.93	24.19
		For Spring Activated Horizontal Mount Operation, Add	*29.14*	
		For Dynamic Damper, Add	*69.92*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.19	26.52
		For Spring Activated Horizontal Mount Operation, Add	*30.94*	
		For Dynamic Damper, Add	*74.25*	
		For 3 Hour Rated, Add	*41.25*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.84	28.98
		For Spring Activated Horizontal Mount Operation, Add	*32.38*	
		For Dynamic Damper, Add	*77.71*	
		For 3 Hour Rated, Add	*43.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.11	31.29
		For Spring Activated Horizontal Mount Operation, Add	*34.18*	
		For Dynamic Damper, Add	*82.04*	
		For 3 Hour Rated, Add	*45.58*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.14	33.75
		For Spring Activated Horizontal Mount Operation, Add	*35.26*	
		For Dynamic Damper, Add	*84.63*	
		For 3 Hour Rated, Add	*47.02*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.27	21.73
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.46*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.90	24.19
		For Spring Activated Horizontal Mount Operation, Add	*29.13*	
		For Dynamic Damper, Add	*69.91*	
		For 3 Hour Rated, Add	*38.84*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.58	26.52
		For Spring Activated Horizontal Mount Operation, Add	*30.58*	
		For Dynamic Damper, Add	*73.38*	
		For 3 Hour Rated, Add	*40.77*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.67	28.98
		For Spring Activated Horizontal Mount Operation, Add	*33.47*	
		For Dynamic Damper, Add	*80.32*	
		For 3 Hour Rated, Add	*44.62*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.72	31.29
		For Spring Activated Horizontal Mount Operation, Add	*34.55*	
		For Dynamic Damper, Add	*82.91*	
		For 3 Hour Rated, Add	*46.06*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.75	33.75
		For Spring Activated Horizontal Mount Operation, Add	*35.62*	
		For Dynamic Damper, Add	*85.50*	
		For 3 Hour Rated, Add	*47.50*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.41	36.22
		For Spring Activated Horizontal Mount Operation, Add	*37.07*	
		For Dynamic Damper, Add	*88.96*	
		For 3 Hour Rated, Add	*49.42*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.04	38.54
		For Spring Activated Horizontal Mount Operation, Add	*38.51*	
		For Dynamic Damper, Add	*92.42*	
		For 3 Hour Rated, Add	*51.34*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.39	24.19
		For Spring Activated Horizontal Mount Operation, Add	*35.76*	
		For Dynamic Damper, Add	*85.83*	
		For 3 Hour Rated, Add	*47.69*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.27	26.52
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.03*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.93	28.98
		For Spring Activated Horizontal Mount Operation, Add	*39.38*	
		For Dynamic Damper, Add	*94.50*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.78	31.29
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.84	33.75
		For Spring Activated Horizontal Mount Operation, Add	*42.62*	
		For Dynamic Damper, Add	*102.29*	
		For 3 Hour Rated, Add	*56.83*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.88	36.22
		For Spring Activated Horizontal Mount Operation, Add	*43.70*	
		For Dynamic Damper, Add	*104.87*	
		For 3 Hour Rated, Add	*58.26*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.73	38.54
		For Spring Activated Horizontal Mount Operation, Add	*45.86*	
		For Dynamic Damper, Add	*110.07*	
		For 3 Hour Rated, Add	*61.15*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.83	43.47
		For Spring Activated Horizontal Mount Operation, Add	*48.02*	
		For Dynamic Damper, Add	*115.26*	
		For 3 Hour Rated, Add	*64.03*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.16	48.24
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.19*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.27	26.52
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.03*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.93	28.98
		For Spring Activated Horizontal Mount Operation, Add	*39.38*	
		For Dynamic Damper, Add	*94.50*	
		For 3 Hour Rated, Add	*52.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.78	31.29
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.43	33.75
		For Spring Activated Horizontal Mount Operation, Add	*42.98*	
		For Dynamic Damper, Add	*103.15*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.70	36.22
		For Spring Activated Horizontal Mount Operation, Add	*44.78*	
		For Dynamic Damper, Add	*107.48*	
		For 3 Hour Rated, Add	*59.71*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.92	38.54
		For Spring Activated Horizontal Mount Operation, Add	*46.58*	
		For Dynamic Damper, Add	*111.79*	
		For 3 Hour Rated, Add	*62.11*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.04	43.47
		For Spring Activated Horizontal Mount Operation, Add	*48.75*	
		For Dynamic Damper, Add	*116.99*	
		For 3 Hour Rated, Add	*65.00*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.16	48.24
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.19*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.62	50.71
		For Spring Activated Horizontal Mount Operation, Add	*55.24*	
		For Dynamic Damper, Add	*132.57*	
		For 3 Hour Rated, Add	*73.65*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.15	55.49
		For Spring Activated Horizontal Mount Operation, Add	*58.85*	
		For Dynamic Damper, Add	*141.23*	
		For 3 Hour Rated, Add	*78.46*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.53	28.98
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.97	31.29
		For Spring Activated Horizontal Mount Operation, Add	*42.25*	
		For Dynamic Damper, Add	*101.41*	
		For 3 Hour Rated, Add	*56.34*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.43	33.75
		For Spring Activated Horizontal Mount Operation, Add	*42.98*	
		For Dynamic Damper, Add	*103.15*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.07	36.22
		For Spring Activated Horizontal Mount Operation, Add	*44.42*	
		For Dynamic Damper, Add	*106.60*	
		For 3 Hour Rated, Add	*59.22*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.53	38.54
		For Spring Activated Horizontal Mount Operation, Add	*46.72*	
		For Dynamic Damper, Add	*112.12*	
		For 3 Hour Rated, Add	*62.29*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.04	43.47
		For Spring Activated Horizontal Mount Operation, Add	*48.75*	
		For Dynamic Damper, Add	*116.99*	
		For 3 Hour Rated, Add	*65.00*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.38	48.24
		For Spring Activated Horizontal Mount Operation, Add	*51.64*	
		For Dynamic Damper, Add	*123.93*	
		For 3 Hour Rated, Add	*68.85*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.69	53.03
		For Spring Activated Horizontal Mount Operation, Add	*54.52*	
		For Dynamic Damper, Add	*130.85*	
		For 3 Hour Rated, Add	*72.70*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.15	55.49
		For Spring Activated Horizontal Mount Operation, Add	*58.85*	
		For Dynamic Damper, Add	*141.23*	
		For 3 Hour Rated, Add	*78.46*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.20	59.41
		For Spring Activated Horizontal Mount Operation, Add	*63.90*	
		For Dynamic Damper, Add	*153.35*	
		For 3 Hour Rated, Add	*85.20*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.97	62.73
		For Spring Activated Horizontal Mount Operation, Add	*69.67*	
		For Dynamic Damper, Add	*167.20*	
		For 3 Hour Rated, Add	*92.89*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.89	31.29
		For Spring Activated Horizontal Mount Operation, Add	*47.41*	
		For Dynamic Damper, Add	*113.78*	
		For 3 Hour Rated, Add	*63.21*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.43	33.75
		For Spring Activated Horizontal Mount Operation, Add	*49.05*	
		For Dynamic Damper, Add	*117.73*	
		For 3 Hour Rated, Add	*65.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.00	36.22
		For Spring Activated Horizontal Mount Operation, Add	*50.70*	
		For Dynamic Damper, Add	*121.68*	
		For 3 Hour Rated, Add	*67.60*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.25	38.54
		For Spring Activated Horizontal Mount Operation, Add	*53.18*	
		For Dynamic Damper, Add	*127.63*	
		For 3 Hour Rated, Add	*70.91*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.25	43.47
		For Spring Activated Horizontal Mount Operation, Add	*54.42*	
		For Dynamic Damper, Add	*130.60*	
		For 3 Hour Rated, Add	*72.56*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.99	45.78
		For Spring Activated Horizontal Mount Operation, Add	*55.66*	
		For Dynamic Damper, Add	*133.57*	
		For 3 Hour Rated, Add	*74.21*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.05	53.03
		For Spring Activated Horizontal Mount Operation, Add	*59.78*	
		For Dynamic Damper, Add	*143.47*	
		For 3 Hour Rated, Add	*79.70*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.83	57.95
		For Spring Activated Horizontal Mount Operation, Add	*63.90*	
		For Dynamic Damper, Add	*153.35*	
		For 3 Hour Rated, Add	*85.19*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	485.62	59.84
		For Spring Activated Horizontal Mount Operation, Add	*68.84*	
		For Dynamic Damper, Add	*165.22*	
		For 3 Hour Rated, Add	*91.79*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.97	64.18
		For Spring Activated Horizontal Mount Operation, Add	*75.44*	
		For Dynamic Damper, Add	*181.05*	
		For 3 Hour Rated, Add	*100.58*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	563.73	67.51
		For Spring Activated Horizontal Mount Operation, Add	*81.20*	
		For Dynamic Damper, Add	*194.89*	
		For 3 Hour Rated, Add	*108.27*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	600.30	69.97
		For Spring Activated Horizontal Mount Operation, Add	*87.80*	
		For Dynamic Damper, Add	*210.72*	
		For 3 Hour Rated, Add	*117.07*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.04	36.22
		For Spring Activated Horizontal Mount Operation, Add	*54.14*	
		For Dynamic Damper, Add	*129.93*	
		For 3 Hour Rated, Add	*72.19*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.95	38.54
		For Spring Activated Horizontal Mount Operation, Add	*57.44*	
		For Dynamic Damper, Add	*137.85*	
		For 3 Hour Rated, Add	*76.58*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.84	41.00
		For Spring Activated Horizontal Mount Operation, Add	*58.26*	
		For Dynamic Damper, Add	*139.83*	
		For 3 Hour Rated, Add	*77.68*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.75	43.47
		For Spring Activated Horizontal Mount Operation, Add	*59.09*	
		For Dynamic Damper, Add	*141.81*	
		For 3 Hour Rated, Add	*78.78*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.08	45.78
		For Spring Activated Horizontal Mount Operation, Add	*61.98*	
		For Dynamic Damper, Add	*148.74*	
		For 3 Hour Rated, Add	*82.64*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.15	48.24
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.53	55.49
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.68	60.27
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.27	64.18
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.70	67.51
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.24	71.43
		For Spring Activated Horizontal Mount Operation, Add	*90.41*	
		For Dynamic Damper, Add	*216.98*	
		For 3 Hour Rated, Add	*120.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	662.37	73.31
		For Spring Activated Horizontal Mount Operation, Add	*99.48*	
		For Dynamic Damper, Add	*238.76*	
		For 3 Hour Rated, Add	*132.65*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.60	77.22
		For Spring Activated Horizontal Mount Operation, Add	*107.73*	
		For Dynamic Damper, Add	*258.55*	
		For 3 Hour Rated, Add	*143.64*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.63	36.22
		For Spring Activated Horizontal Mount Operation, Add	*55.79*	
		For Dynamic Damper, Add	*133.90*	
		For 3 Hour Rated, Add	*74.39*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.51	38.54
		For Spring Activated Horizontal Mount Operation, Add	*59.09*	
		For Dynamic Damper, Add	*141.81*	
		For 3 Hour Rated, Add	*78.78*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.77	41.00
		For Spring Activated Horizontal Mount Operation, Add	*61.57*	
		For Dynamic Damper, Add	*147.76*	
		For 3 Hour Rated, Add	*82.09*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.68	43.47
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.57	45.78
		For Spring Activated Horizontal Mount Operation, Add	*65.69*	
		For Dynamic Damper, Add	*157.65*	
		For 3 Hour Rated, Add	*87.58*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.48	48.24
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.77	57.95
		For Spring Activated Horizontal Mount Operation, Add	*73.11*	
		For Dynamic Damper, Add	*175.46*	
		For 3 Hour Rated, Add	*97.48*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	531.56	62.73
		For Spring Activated Horizontal Mount Operation, Add	*77.22*	
		For Dynamic Damper, Add	*185.34*	
		For 3 Hour Rated, Add	*102.97*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.70	67.51
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.16	72.44
		For Spring Activated Horizontal Mount Operation, Add	*92.89*	
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	681.26	77.22
		For Spring Activated Horizontal Mount Operation, Add	*101.13*	
		For Dynamic Damper, Add	*242.70*	
		For 3 Hour Rated, Add	*134.84*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	721.48	79.54
		For Spring Activated Horizontal Mount Operation, Add	*108.55*	
		For Dynamic Damper, Add	*260.51*	
		For 3 Hour Rated, Add	*144.73*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.72	82.00
		For Spring Activated Horizontal Mount Operation, Add	*115.97*	
		For Dynamic Damper, Add	*278.33*	
		For 3 Hour Rated, Add	*154.63*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.95	84.46
		For Spring Activated Horizontal Mount Operation, Add	*123.39*	
		For Dynamic Damper, Add	*296.14*	
		For 3 Hour Rated, Add	*164.52*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.84	38.54
		For Spring Activated Horizontal Mount Operation, Add	*58.26*	
		For Dynamic Damper, Add	*139.83*	
		For 3 Hour Rated, Add	*77.68*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.77	41.00
		For Spring Activated Horizontal Mount Operation, Add	*61.57*	
		For Dynamic Damper, Add	*147.76*	
		For 3 Hour Rated, Add	*82.09*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.68	43.47
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.15	48.24
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.29	53.03
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.43	57.95
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.91	62.73
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.36	67.51
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.23*	
		For 3 Hour Rated, Add	*108.46*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	611.84	72.44
		For Spring Activated Horizontal Mount Operation, Add	*88.77*	
		For Dynamic Damper, Add	*213.04*	
		For 3 Hour Rated, Add	*118.36*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	666.61	77.22
		For Spring Activated Horizontal Mount Operation, Add	*97.83*	
		For Dynamic Damper, Add	*234.79*	
		For 3 Hour Rated, Add	*130.44*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	706.86	79.54
		For Spring Activated Horizontal Mount Operation, Add	*105.26*	
		For Dynamic Damper, Add	*252.62*	
		For 3 Hour Rated, Add	*140.34*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	758.04	82.00
		For Spring Activated Horizontal Mount Operation, Add	*115.14*	
		For Dynamic Damper, Add	*276.34*	
		For 3 Hour Rated, Add	*153.52*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.54	86.79
		For Spring Activated Horizontal Mount Operation, Add	*122.57*	
		For Dynamic Damper, Add	*294.17*	
		For 3 Hour Rated, Add	*163.43*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	856.73	89.25
		For Spring Activated Horizontal Mount Operation, Add	*132.46*	
		For Dynamic Damper, Add	*317.90*	
		For 3 Hour Rated, Add	*176.61*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	907.78	96.49
		For Spring Activated Horizontal Mount Operation, Add	*139.05*	
		For Dynamic Damper, Add	*333.73*	
		For 3 Hour Rated, Add	*185.41*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.09	41.00
		For Spring Activated Horizontal Mount Operation, Add	*60.74*	
		For Dynamic Damper, Add	*145.77*	
		For 3 Hour Rated, Add	*80.99*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.00	43.47
		For Spring Activated Horizontal Mount Operation, Add	*64.04*	
		For Dynamic Damper, Add	*153.69*	
		For 3 Hour Rated, Add	*85.38*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.14	48.24
		For Spring Activated Horizontal Mount Operation, Add	*67.33*	
		For Dynamic Damper, Add	*161.60*	
		For 3 Hour Rated, Add	*89.78*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.29	53.03
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.29	57.95
		For Spring Activated Horizontal Mount Operation, Add	*71.87*	
		For Dynamic Damper, Add	*172.50*	
		For 3 Hour Rated, Add	*95.83*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.24	62.73
		For Spring Activated Horizontal Mount Operation, Add	*75.58*	
		For Dynamic Damper, Add	*181.39*	
		For 3 Hour Rated, Add	*100.77*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.72	67.51
		For Spring Activated Horizontal Mount Operation, Add	*80.53*	
		For Dynamic Damper, Add	*193.26*	
		For 3 Hour Rated, Add	*107.37*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	597.19	72.44
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.65	77.22
		For Spring Activated Horizontal Mount Operation, Add	*92.89*	
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	703.09	82.00
		For Spring Activated Horizontal Mount Operation, Add	*102.78*	
		For Dynamic Damper, Add	*246.67*	
		For 3 Hour Rated, Add	*137.04*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.96	84.46
		For Spring Activated Horizontal Mount Operation, Add	*111.02*	
		For Dynamic Damper, Add	*266.45*	
		For 3 Hour Rated, Add	*148.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.86	86.79
		For Spring Activated Horizontal Mount Operation, Add	*121.74*	
		For Dynamic Damper, Add	*292.18*	
		For 3 Hour Rated, Add	*162.32*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	860.29	91.71
		For Spring Activated Horizontal Mount Operation, Add	*131.63*	
		For Dynamic Damper, Add	*315.91*	
		For 3 Hour Rated, Add	*175.50*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	907.78	96.49
		For Spring Activated Horizontal Mount Operation, Add	*139.05*	
		For Dynamic Damper, Add	*333.73*	
		For 3 Hour Rated, Add	*185.41*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	973.47	103.74
		For Spring Activated Horizontal Mount Operation, Add	*148.94*	
		For Dynamic Damper, Add	*357.46*	
		For 3 Hour Rated, Add	*198.59*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,024.60	108.51
		For Spring Activated Horizontal Mount Operation, Add	*157.19*	
		For Dynamic Damper, Add	*377.25*	
		For 3 Hour Rated, Add	*209.59*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.68	43.47
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.47	48.24
		For Spring Activated Horizontal Mount Operation, Add	*66.51*	
		For Dynamic Damper, Add	*159.62*	
		For 3 Hour Rated, Add	*88.68*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.97	53.03
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.09	57.95
		For Spring Activated Horizontal Mount Operation, Add	*69.80*	
		For Dynamic Damper, Add	*167.53*	
		For 3 Hour Rated, Add	*93.07*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.76	62.73
		For Spring Activated Horizontal Mount Operation, Add	*74.34*	
		For Dynamic Damper, Add	*178.43*	
		For 3 Hour Rated, Add	*99.13*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.38	67.51
		For Spring Activated Horizontal Mount Operation, Add	*78.87*	
		For Dynamic Damper, Add	*189.30*	
		For 3 Hour Rated, Add	*105.17*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	588.03	72.44
		For Spring Activated Horizontal Mount Operation, Add	*83.41*	
		For Dynamic Damper, Add	*200.18*	
		For 3 Hour Rated, Add	*111.21*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	622.66	77.22
		For Spring Activated Horizontal Mount Operation, Add	*87.94*	
		For Dynamic Damper, Add	*211.06*	
		For 3 Hour Rated, Add	*117.26*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	681.10	82.00
		For Spring Activated Horizontal Mount Operation, Add	*97.83*	
		For Dynamic Damper, Add	*234.79*	
		For 3 Hour Rated, Add	*130.44*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.33	84.46
		For Spring Activated Horizontal Mount Operation, Add	*107.73*	
		For Dynamic Damper, Add	*258.55*	
		For 3 Hour Rated, Add	*143.64*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	779.87	86.79
		For Spring Activated Horizontal Mount Operation, Add	*116.79*	
		For Dynamic Damper, Add	*280.30*	
		For 3 Hour Rated, Add	*155.72*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	845.67	91.71
		For Spring Activated Horizontal Mount Operation, Add	*128.34*	
		For Dynamic Damper, Add	*308.01*	
		For 3 Hour Rated, Add	*171.12*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	904.10	96.49
		For Spring Activated Horizontal Mount Operation, Add	*138.23*	
		For Dynamic Damper, Add	*331.74*	
		For 3 Hour Rated, Add	*184.30*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	966.22	101.27
		For Spring Activated Horizontal Mount Operation, Add	*148.94*	
		For Dynamic Damper, Add	*357.46*	
		For 3 Hour Rated, Add	*198.59*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,017.36	106.20
		For Spring Activated Horizontal Mount Operation, Add	*157.19*	
		For Dynamic Damper, Add	*377.25*	
		For 3 Hour Rated, Add	*209.59*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,079.47	110.98
		For Spring Activated Horizontal Mount Operation, Add	*167.91*	
		For Dynamic Damper, Add	*402.98*	
		For 3 Hour Rated, Add	*223.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,141.59	115.76
		For Spring Activated Horizontal Mount Operation, Add	*178.62*	
		For Dynamic Damper, Add	*428.70*	
		For 3 Hour Rated, Add	*238.16*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.15	48.24
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.97	53.03
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.75	57.95
		For Spring Activated Horizontal Mount Operation, Add	*70.63*	
		For Dynamic Damper, Add	*169.51*	
		For 3 Hour Rated, Add	*94.17*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.92	62.73
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.40	67.51
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.85	72.44
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.23*	
		For 3 Hour Rated, Add	*108.46*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.16	77.22
		For Spring Activated Horizontal Mount Operation, Add	*86.70*	
		For Dynamic Damper, Add	*208.09*	
		For 3 Hour Rated, Add	*115.61*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.46	82.00
		For Spring Activated Horizontal Mount Operation, Add	*92.06*	
		For Dynamic Damper, Add	*220.95*	
		For 3 Hour Rated, Add	*122.75*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.33	84.46
		For Spring Activated Horizontal Mount Operation, Add	*102.78*	
		For Dynamic Damper, Add	*246.67*	
		For 3 Hour Rated, Add	*137.04*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.55	86.79
		For Spring Activated Horizontal Mount Operation, Add	*112.67*	
		For Dynamic Damper, Add	*270.41*	
		For 3 Hour Rated, Add	*150.23*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.69	91.71
		For Spring Activated Horizontal Mount Operation, Add	*123.39*	
		For Dynamic Damper, Add	*296.14*	
		For 3 Hour Rated, Add	*164.52*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.80	96.49
		For Spring Activated Horizontal Mount Operation, Add	*134.11*	
		For Dynamic Damper, Add	*321.86*	
		For 3 Hour Rated, Add	*178.81*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	936.92	101.27
		For Spring Activated Horizontal Mount Operation, Add	*142.35*	
		For Dynamic Damper, Add	*341.64*	
		For 3 Hour Rated, Add	*189.80*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,010.02	106.20
		For Spring Activated Horizontal Mount Operation, Add	*155.54*	
		For Dynamic Damper, Add	*373.29*	
		For 3 Hour Rated, Add	*207.38*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,075.79	110.98
		For Spring Activated Horizontal Mount Operation, Add	*167.08*	
		For Dynamic Damper, Add	*400.99*	
		For 3 Hour Rated, Add	*222.77*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,141.59	115.76
		For Spring Activated Horizontal Mount Operation, Add	*178.62*	
		For Dynamic Damper, Add	*428.70*	
		For 3 Hour Rated, Add	*238.16*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,200.01	120.68
		For Spring Activated Horizontal Mount Operation, Add	*188.51*	
		For Dynamic Damper, Add	*452.42*	
		For 3 Hour Rated, Add	*251.34*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,258.51	125.47
		For Spring Activated Horizontal Mount Operation, Add	*198.41*	
		For Dynamic Damper, Add	*476.18*	
		For 3 Hour Rated, Add	*264.55*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	140.84	28.98
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	146.78	28.98
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	172.49	32.89
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	178.94	32.89
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	214.59	36.22
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	232.34	36.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	258.21	40.28
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	290.03	45.35
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	329.66	51.72

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	158.69	32.89
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	174.87	32.89
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	197.85	36.22
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	218.72	36.22
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	247.69	40.28
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	260.41	40.28
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	290.43	45.35
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	321.58	51.72
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	375.18	60.41

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.82	24.12
		For Dynamic Damper, Add	*319.92*	
		For 3 Hour Rated, Add	*177.74*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.53	25.21
		For Dynamic Damper, Add	*327.73*	
		For 3 Hour Rated, Add	*182.07*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.63	25.43
		For Dynamic Damper, Add	*335.64*	
		For 3 Hour Rated, Add	*186.47*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.97	25.43
		For Dynamic Damper, Add	*314.77*	
		For 3 Hour Rated, Add	*174.87*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	674.79	26.08
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.87	28.91
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	674.79	26.08
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	706.52	27.60
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	724.52	28.91
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	749.13	32.60
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	699.69	27.60
		For Dynamic Damper, Add	*333.24*	
		For 3 Hour Rated, Add	*185.13*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	724.52	28.91
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	742.60	30.43
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	762.87	32.60
		For Dynamic Damper, Add	*359.14*	
		For 3 Hour Rated, Add	*199.52*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	807.95	36.29
		For Dynamic Damper, Add	*377.61*	
		For 3 Hour Rated, Add	*209.78*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	790.59	28.91
		For Dynamic Damper, Add	*379.98*	
		For 3 Hour Rated, Add	*211.10*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.60	31.08
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.79	34.12
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	837.70	36.29
		For Dynamic Damper, Add	*393.68*	
		For 3 Hour Rated, Add	*218.71*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	869.76	39.77
		For Dynamic Damper, Add	*405.13*	
		For 3 Hour Rated, Add	*225.07*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	901.78	43.47
		For Dynamic Damper, Add	*416.55*	
		For 3 Hour Rated, Add	*231.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.42	30.43
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.61	32.60
		For Dynamic Damper, Add	*391.40*	
		For 3 Hour Rated, Add	*217.44*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	846.25	36.29
		For Dynamic Damper, Add	*398.29*	
		For 3 Hour Rated, Add	*221.27*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.26	39.77
		For Dynamic Damper, Add	*409.72*	
		For 3 Hour Rated, Add	*227.62*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	906.00	43.47
		For Dynamic Damper, Add	*418.83*	
		For 3 Hour Rated, Add	*232.68*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	938.02	46.94
		For Dynamic Damper, Add	*430.26*	
		For 3 Hour Rated, Add	*239.03*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	961.60	50.64
		For Dynamic Damper, Add	*437.12*	
		For 3 Hour Rated, Add	*242.84*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.45	32.60
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	846.20	36.29
		For Dynamic Damper, Add	*398.27*	
		For 3 Hour Rated, Add	*221.26*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	873.98	39.77
		For Dynamic Damper, Add	*407.41*	
		For 3 Hour Rated, Add	*226.34*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	918.78	43.47
		For Dynamic Damper, Add	*425.73*	
		For 3 Hour Rated, Add	*236.52*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	942.29	46.94
		For Dynamic Damper, Add	*432.56*	
		For 3 Hour Rated, Add	*240.31*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	965.82	50.64
		For Dynamic Damper, Add	*439.40*	
		For 3 Hour Rated, Add	*244.11*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	993.63	54.33
		For Dynamic Damper, Add	*448.55*	
		For 3 Hour Rated, Add	*249.19*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,021.37	57.81
		For Dynamic Damper, Add	*457.66*	
		For 3 Hour Rated, Add	*254.26*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	838.39	36.29
		For Dynamic Damper, Add	*394.05*	
		For 3 Hour Rated, Add	*218.92*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.37	39.77
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.68	43.47
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	916.59	46.94
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	936.03	50.64
		For Dynamic Damper, Add	*423.31*	
		For 3 Hour Rated, Add	*235.17*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	955.42	54.33
		For Dynamic Damper, Add	*427.91*	
		For 3 Hour Rated, Add	*237.73*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	983.37	57.81
		For Dynamic Damper, Add	*437.14*	
		For 3 Hour Rated, Add	*242.86*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,022.20	65.20
		For Dynamic Damper, Add	*446.37*	
		For 3 Hour Rated, Add	*247.98*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,066.74	72.37
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.37	39.77
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.68	43.47
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	916.59	46.94
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	938.87	50.64
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	963.98	54.33
		For Dynamic Damper, Add	*432.53*	
		For 3 Hour Rated, Add	*240.30*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	989.05	57.81
		For Dynamic Damper, Add	*440.21*	
		For 3 Hour Rated, Add	*244.56*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,027.88	65.20
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,066.74	72.37
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,111.78	76.07
		For Dynamic Damper, Add	*477.14*	
		For 3 Hour Rated, Add	*265.08*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,162.01	83.24
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	905.73	43.47
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	922.28	46.94
		For Dynamic Damper, Add	*421.76*	
		For 3 Hour Rated, Add	*234.31*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	938.87	50.64
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	961.11	54.33
		For Dynamic Damper, Add	*430.98*	
		For 3 Hour Rated, Add	*239.44*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	990.11	57.81
		For Dynamic Damper, Add	*440.78*	
		For 3 Hour Rated, Add	*244.88*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,027.88	65.20
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,072.46	72.37
		For Dynamic Damper, Add	*461.78*	
		For 3 Hour Rated, Add	*256.54*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,117.00	79.54
		For Dynamic Damper, Add	*474.09*	
		For 3 Hour Rated, Add	*263.39*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,162.01	83.24
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,219.32	89.10
		For Dynamic Damper, Add	*514.09*	
		For 3 Hour Rated, Add	*285.61*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,280.09	94.10
		For Dynamic Damper, Add	*538.69*	
		For 3 Hour Rated, Add	*299.27*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	951.53	46.94
		For Dynamic Damper, Add	*437.55*	
		For 3 Hour Rated, Add	*243.08*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	974.75	50.64
		For Dynamic Damper, Add	*444.22*	
		For 3 Hour Rated, Add	*246.79*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	998.01	54.33
		For Dynamic Damper, Add	*450.91*	
		For 3 Hour Rated, Add	*250.51*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,027.47	57.81
		For Dynamic Damper, Add	*460.95*	
		For 3 Hour Rated, Add	*256.09*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,058.53	65.20
		For Dynamic Damper, Add	*465.99*	
		For 3 Hour Rated, Add	*258.88*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,078.68	68.68
		For Dynamic Damper, Add	*471.00*	
		For 3 Hour Rated, Add	*261.67*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,142.27	79.54
		For Dynamic Damper, Add	*487.74*	
		For 3 Hour Rated, Add	*270.97*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,194.93	86.93
		For Dynamic Damper, Add	*504.44*	
		For 3 Hour Rated, Add	*280.24*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,240.79	89.75
		For Dynamic Damper, Add	*524.51*	
		For 3 Hour Rated, Add	*291.39*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,309.90	96.28
		For Dynamic Damper, Add	*551.27*	
		For 3 Hour Rated, Add	*306.26*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,368.43	101.27
		For Dynamic Damper, Add	*574.66*	
		For 3 Hour Rated, Add	*319.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,428.86	104.96
		For Dynamic Damper, Add	*601.42*	
		For 3 Hour Rated, Add	*334.12*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,527.78	54.33
		For Dynamic Damper, Add	*742.86*	
		For 3 Hour Rated, Add	*412.70*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,571.86	57.81
		For Dynamic Damper, Add	*760.79*	
		For 3 Hour Rated, Add	*422.66*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,591.06	61.50
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,610.27	65.20
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,661.10	68.68
		For Dynamic Damper, Add	*785.51*	
		For 3 Hour Rated, Add	*436.40*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,701.11	72.37
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,766.97	83.24
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,821.91	90.41
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,889.24	96.28
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,995.85	101.27
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,063.08	107.14
		For Dynamic Damper, Add	*940.38*	
		For 3 Hour Rated, Add	*522.44*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,163.27	109.96
		For Dynamic Damper, Add	*989.79*	
		For 3 Hour Rated, Add	*549.88*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,263.81	115.83
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,555.28	54.33
		For Dynamic Damper, Add	*751.84*	
		For 3 Hour Rated, Add	*417.69*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,599.40	57.81
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,635.25	61.50
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,654.46	65.20
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,698.58	68.68
		For Dynamic Damper, Add	*805.75*	
		For 3 Hour Rated, Add	*447.64*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,742.66	72.37
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,827.74	86.93
		For Dynamic Damper, Add	*846.15*	
		For 3 Hour Rated, Add	*470.09*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,890.97	94.10
		For Dynamic Damper, Add	*868.56*	
		For 3 Hour Rated, Add	*482.54*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,995.85	101.27
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,092.40	108.67
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,197.23	115.83
		For Dynamic Damper, Add	*998.74*	
		For 3 Hour Rated, Add	*554.86*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,282.92	119.31
		For Dynamic Damper, Add	*1,039.14*	
		For 3 Hour Rated, Add	*577.30*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,368.64	123.00
		For Dynamic Damper, Add	*1,079.57*	
		For 3 Hour Rated, Add	*599.76*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,454.38	126.69
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,591.06	57.81
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,635.25	61.50
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,654.46	65.20
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,701.11	72.37
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,756.10	79.54
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,811.05	86.93
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,882.73	94.10
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,954.30	101.27
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,050.85	108.67
		For Dynamic Damper, Add	*931.43*	
		For 3 Hour Rated, Add	*517.46*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,163.97	115.83
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,249.76	119.31
		For Dynamic Damper, Add	*1,021.24*	
		For 3 Hour Rated, Add	*567.35*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,360.30	123.00
		For Dynamic Damper, Add	*1,075.06*	
		For 3 Hour Rated, Add	*597.26*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,456.91	130.17
		For Dynamic Damper, Add	*1,115.49*	
		For 3 Hour Rated, Add	*619.72*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,567.56	133.87
		For Dynamic Damper, Add	*1,169.38*	
		For 3 Hour Rated, Add	*649.66*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,666.63	144.73
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,626.91	61.50
		For Dynamic Damper, Add	*778.78*	
		For 3 Hour Rated, Add	*432.66*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,671.04	65.20
		For Dynamic Damper, Add	*796.74*	
		For 3 Hour Rated, Add	*442.64*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,726.03	72.37
		For Dynamic Damper, Add	*814.70*	
		For 3 Hour Rated, Add	*452.61*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,756.10	79.54
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,815.27	86.93
		For Dynamic Damper, Add	*839.42*	
		For 3 Hour Rated, Add	*466.34*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,874.39	94.10
		For Dynamic Damper, Add	*859.61*	
		For 3 Hour Rated, Add	*477.56*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,946.01	101.27
		For Dynamic Damper, Add	*886.55*	
		For 3 Hour Rated, Add	*492.53*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,017.58	108.67
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,114.13	115.83
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,235.65	123.00
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,329.57	126.69
		For Dynamic Damper, Add	*1,052.60*	
		For 3 Hour Rated, Add	*584.78*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,448.62	130.17
		For Dynamic Damper, Add	*1,111.02*	
		For 3 Hour Rated, Add	*617.23*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,570.04	137.56
		For Dynamic Damper, Add	*1,164.85*	
		For 3 Hour Rated, Add	*647.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,666.63	144.73
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,798.97	155.60
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,903.85	162.77
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,654.46	65.20
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,717.69	72.37
		For Dynamic Damper, Add	*810.20*	
		For 3 Hour Rated, Add	*450.11*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,764.39	79.54
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,794.42	86.93
		For Dynamic Damper, Add	*828.16*	
		For 3 Hour Rated, Add	*460.09*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,861.93	94.10
		For Dynamic Damper, Add	*852.88*	
		For 3 Hour Rated, Add	*473.82*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,929.38	101.27
		For Dynamic Damper, Add	*877.57*	
		For 3 Hour Rated, Add	*487.54*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,996.78	108.67
		For Dynamic Damper, Add	*902.23*	
		For 3 Hour Rated, Add	*501.24*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,064.23	115.83
		For Dynamic Damper, Add	*926.92*	
		For 3 Hour Rated, Add	*514.96*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,185.70	123.00
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,296.41	126.69
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,398.68	130.17
		For Dynamic Damper, Add	*1,084.05*	
		For 3 Hour Rated, Add	*602.25*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,536.82	137.56
		For Dynamic Damper, Add	*1,146.91*	
		For 3 Hour Rated, Add	*637.17*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,658.29	144.73
		For Dynamic Damper, Add	*1,200.77*	
		For 3 Hour Rated, Add	*667.10*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,788.10	151.91
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,892.99	159.29
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,022.80	166.47
		For Dynamic Damper, Add	*1,362.40*	
		For 3 Hour Rated, Add	*756.89*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,152.61	173.64
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,701.11	72.37
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,764.39	79.54
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,802.76	86.93
		For Dynamic Damper, Add	*832.66*	
		For 3 Hour Rated, Add	*462.59*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,832.78	94.10
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,904.46	101.27
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,976.03	108.67
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,051.77	115.83
		For Dynamic Damper, Add	*920.19*	
		For 3 Hour Rated, Add	*511.22*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,127.57	123.00
		For Dynamic Damper, Add	*949.39*	
		For 3 Hour Rated, Add	*527.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,246.52	126.69
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,357.12	130.17
		For Dynamic Damper, Add	*1,061.61*	
		For 3 Hour Rated, Add	*589.78*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,486.98	137.56
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,616.79	144.73
		For Dynamic Damper, Add	*1,178.36*	
		For 3 Hour Rated, Add	*654.65*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,721.62	151.91
		For Dynamic Damper, Add	*1,223.24*	
		For 3 Hour Rated, Add	*679.58*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,876.36	159.29
		For Dynamic Damper, Add	*1,295.06*	
		For 3 Hour Rated, Add	*719.48*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,014.51	166.47
		For Dynamic Damper, Add	*1,357.92*	
		For 3 Hour Rated, Add	*754.40*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,152.61	173.64
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,274.02	181.03
		For Dynamic Damper, Add	*1,474.59*	
		For 3 Hour Rated, Add	*819.22*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,395.64	188.20
		For Dynamic Damper, Add	*1,528.53*	
		For 3 Hour Rated, Add	*849.18*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.20	16.08
		For Dynamic Damper, Add	*51.28*	
		For 3 Hour Rated, Add	*28.49*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.76	16.80
		For Dynamic Damper, Add	*52.56*	
		For 3 Hour Rated, Add	*29.20*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.47	16.95
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.47	16.95
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.32	17.39
		For Dynamic Damper, Add	*55.17*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.91	19.27
		For Dynamic Damper, Add	*57.76*	
		For 3 Hour Rated, Add	*32.09*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.32	17.39
		For Dynamic Damper, Add	*55.17*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.01	18.40
		For Dynamic Damper, Add	*57.76*	
		For 3 Hour Rated, Add	*32.09*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.32	19.27
		For Dynamic Damper, Add	*59.06*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.97	21.73
		For Dynamic Damper, Add	*60.36*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.82	18.40
		For Dynamic Damper, Add	*57.12*	
		For 3 Hour Rated, Add	*31.73*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.32	19.27
		For Dynamic Damper, Add	*59.06*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.62	20.28
		For Dynamic Damper, Add	*60.36*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.39	21.73
		For Dynamic Damper, Add	*61.66*	
		For 3 Hour Rated, Add	*34.26*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.64	24.19
		For Dynamic Damper, Add	*64.91*	
		For 3 Hour Rated, Add	*36.06*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.88	19.27
		For Dynamic Damper, Add	*106.34*	
		For 3 Hour Rated, Add	*59.08*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.63	20.71
		For Dynamic Damper, Add	*107.64*	
		For 3 Hour Rated, Add	*59.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.83	22.74
		For Dynamic Damper, Add	*108.94*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.57	24.19
		For Dynamic Damper, Add	*110.23*	
		For 3 Hour Rated, Add	*61.24*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.86	26.52
		For Dynamic Damper, Add	*113.49*	
		For 3 Hour Rated, Add	*63.05*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.10	28.98
		For Dynamic Damper, Add	*116.73*	
		For 3 Hour Rated, Add	*64.85*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.18	20.28
		For Dynamic Damper, Add	*107.64*	
		For 3 Hour Rated, Add	*59.80*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.14	21.73
		For Dynamic Damper, Add	*109.59*	
		For 3 Hour Rated, Add	*60.88*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.00	24.19
		For Dynamic Damper, Add	*111.54*	
		For 3 Hour Rated, Add	*61.97*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.26	26.52
		For Dynamic Damper, Add	*114.79*	
		For 3 Hour Rated, Add	*63.77*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.29	28.98
		For Dynamic Damper, Add	*117.37*	
		For 3 Hour Rated, Add	*65.21*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.57	31.29
		For Dynamic Damper, Add	*120.63*	
		For 3 Hour Rated, Add	*67.02*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.42	33.75
		For Dynamic Damper, Add	*122.58*	
		For 3 Hour Rated, Add	*68.10*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.94	21.73
		For Dynamic Damper, Add	*108.94*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.98	24.19
		For Dynamic Damper, Add	*111.53*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.05	26.52
		For Dynamic Damper, Add	*114.13*	
		For 3 Hour Rated, Add	*63.41*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.92	28.98
		For Dynamic Damper, Add	*119.33*	
		For 3 Hour Rated, Add	*66.30*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.78	31.29
		For Dynamic Damper, Add	*121.28*	
		For 3 Hour Rated, Add	*67.38*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.62	33.75
		For Dynamic Damper, Add	*123.23*	
		For 3 Hour Rated, Add	*68.46*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.67	36.22
		For Dynamic Damper, Add	*125.82*	
		For 3 Hour Rated, Add	*69.90*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.70	38.54
		For Dynamic Damper, Add	*128.41*	
		For 3 Hour Rated, Add	*71.34*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.43	24.19
		For Dynamic Damper, Add	*150.65*	
		For 3 Hour Rated, Add	*83.70*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.91	26.52
		For Dynamic Damper, Add	*154.56*	
		For 3 Hour Rated, Add	*85.87*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.96	28.98
		For Dynamic Damper, Add	*157.16*	
		For 3 Hour Rated, Add	*87.31*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.43	31.29
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.27	33.75
		For Dynamic Damper, Add	*163.00*	
		For 3 Hour Rated, Add	*90.56*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.11	36.22
		For Dynamic Damper, Add	*164.94*	
		For 3 Hour Rated, Add	*91.63*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.56	38.54
		For Dynamic Damper, Add	*168.84*	
		For 3 Hour Rated, Add	*93.80*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.26	43.47
		For Dynamic Damper, Add	*172.73*	
		For 3 Hour Rated, Add	*95.96*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.38	48.24
		For Dynamic Damper, Add	*177.93*	
		For 3 Hour Rated, Add	*98.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.91	26.52
		For Dynamic Damper, Add	*154.56*	
		For 3 Hour Rated, Add	*85.87*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.96	28.98
		For Dynamic Damper, Add	*157.16*	
		For 3 Hour Rated, Add	*87.31*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.43	31.29
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.47	33.75
		For Dynamic Damper, Add	*163.65*	
		For 3 Hour Rated, Add	*90.92*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.72	36.22
		For Dynamic Damper, Add	*166.89*	
		For 3 Hour Rated, Add	*92.72*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.96	38.54
		For Dynamic Damper, Add	*170.13*	
		For 3 Hour Rated, Add	*94.52*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.66	43.47
		For Dynamic Damper, Add	*174.03*	
		For 3 Hour Rated, Add	*96.68*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.38	48.24
		For Dynamic Damper, Add	*177.93*	
		For 3 Hour Rated, Add	*98.85*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.04	50.71
		For Dynamic Damper, Add	*185.72*	
		For 3 Hour Rated, Add	*103.18*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.56	55.49
		For Dynamic Damper, Add	*192.21*	
		For 3 Hour Rated, Add	*106.79*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.18	28.98
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.81	31.29
		For Dynamic Damper, Add	*162.34*	
		For 3 Hour Rated, Add	*90.19*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.47	33.75
		For Dynamic Damper, Add	*163.65*	
		For 3 Hour Rated, Add	*90.92*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.51	36.22
		For Dynamic Damper, Add	*166.23*	
		For 3 Hour Rated, Add	*92.35*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.41	38.54
		For Dynamic Damper, Add	*170.38*	
		For 3 Hour Rated, Add	*94.65*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.66	43.47
		For Dynamic Damper, Add	*174.03*	
		For 3 Hour Rated, Add	*96.68*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.78	48.24
		For Dynamic Damper, Add	*179.23*	
		For 3 Hour Rated, Add	*99.57*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.90	53.03
		For Dynamic Damper, Add	*184.43*	
		For 3 Hour Rated, Add	*102.46*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.56	55.49
		For Dynamic Damper, Add	*192.21*	
		For 3 Hour Rated, Add	*106.79*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.00	59.41
		For Dynamic Damper, Add	*201.31*	
		For 3 Hour Rated, Add	*111.84*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	580.36	62.73
		For Dynamic Damper, Add	*211.69*	
		For 3 Hour Rated, Add	*117.61*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.76	31.29
		For Dynamic Damper, Add	*167.17*	
		For 3 Hour Rated, Add	*92.87*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.02	33.75
		For Dynamic Damper, Add	*169.88*	
		For 3 Hour Rated, Add	*94.38*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.30	36.22
		For Dynamic Damper, Add	*172.60*	
		For 3 Hour Rated, Add	*95.89*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.09	38.54
		For Dynamic Damper, Add	*176.68*	
		For 3 Hour Rated, Add	*98.16*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.38	43.47
		For Dynamic Damper, Add	*178.73*	
		For 3 Hour Rated, Add	*99.30*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.41	45.78
		For Dynamic Damper, Add	*180.78*	
		For 3 Hour Rated, Add	*100.43*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.74	53.03
		For Dynamic Damper, Add	*187.58*	
		For 3 Hour Rated, Add	*104.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.79	57.95
		For Dynamic Damper, Add	*194.37*	
		For 3 Hour Rated, Add	*107.98*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.72	59.84
		For Dynamic Damper, Add	*202.54*	
		For 3 Hour Rated, Add	*112.52*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.91	64.18
		For Dynamic Damper, Add	*213.41*	
		For 3 Hour Rated, Add	*118.56*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.67	67.51
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.07	69.97
		For Dynamic Damper, Add	*233.81*	
		For 3 Hour Rated, Add	*129.90*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.03	36.22
		For Dynamic Damper, Add	*196.89*	
		For 3 Hour Rated, Add	*109.38*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.35	38.54
		For Dynamic Damper, Add	*202.33*	
		For 3 Hour Rated, Add	*112.40*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.10	41.00
		For Dynamic Damper, Add	*203.69*	
		For 3 Hour Rated, Add	*113.16*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.87	43.47
		For Dynamic Damper, Add	*205.05*	
		For 3 Hour Rated, Add	*113.92*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.18	45.78
		For Dynamic Damper, Add	*209.82*	
		For 3 Hour Rated, Add	*116.57*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.26	48.24
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.06	55.49
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	598.63	60.27
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	625.34	64.18
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.18	67.51
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	689.86	71.43
		For Dynamic Damper, Add	*256.74*	
		For 3 Hour Rated, Add	*142.63*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	723.38	73.31
		For Dynamic Damper, Add	*271.71*	
		For 3 Hour Rated, Add	*150.95*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	760.17	77.22
		For Dynamic Damper, Add	*285.31*	
		For 3 Hour Rated, Add	*158.51*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.33	36.22
		For Dynamic Damper, Add	*199.62*	
		For 3 Hour Rated, Add	*110.90*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.63	38.54
		For Dynamic Damper, Add	*205.05*	
		For 3 Hour Rated, Add	*113.92*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.45	41.00
		For Dynamic Damper, Add	*209.15*	
		For 3 Hour Rated, Add	*116.19*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.22	43.47
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.53	45.78
		For Dynamic Damper, Add	*215.95*	
		For 3 Hour Rated, Add	*119.97*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.85	48.24
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	596.43	57.95
		For Dynamic Damper, Add	*228.19*	
		For 3 Hour Rated, Add	*126.77*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.49	62.73
		For Dynamic Damper, Add	*234.98*	
		For 3 Hour Rated, Add	*130.55*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.18	67.51
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	700.34	72.44
		For Dynamic Damper, Add	*260.83*	
		For 3 Hour Rated, Add	*144.91*	

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23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.00	77.22
		For Dynamic Damper, Add	*274.42*	
		For 3 Hour Rated, Add	*152.46*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	769.91	79.54
		For Dynamic Damper, Add	*286.66*	
		For 3 Hour Rated, Add	*159.26*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.84	82.00
		For Dynamic Damper, Add	*298.91*	
		For 3 Hour Rated, Add	*166.06*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	829.76	84.46
		For Dynamic Damper, Add	*311.16*	
		For 3 Hour Rated, Add	*172.87*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.10	38.54
		For Dynamic Damper, Add	*203.69*	
		For 3 Hour Rated, Add	*113.16*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.45	41.00
		For Dynamic Damper, Add	*209.15*	
		For 3 Hour Rated, Add	*116.19*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.22	43.47
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.26	48.24
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.82	53.03
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.38	57.95
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.98	62.73
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	650.57	67.51
		For Dynamic Damper, Add	*241.78*	
		For 3 Hour Rated, Add	*134.32*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.74	72.44
		For Dynamic Damper, Add	*254.03*	
		For 3 Hour Rated, Add	*141.13*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	729.93	77.22
		For Dynamic Damper, Add	*268.98*	
		For 3 Hour Rated, Add	*149.44*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	759.86	79.54
		For Dynamic Damper, Add	*281.24*	
		For 3 Hour Rated, Add	*156.24*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	797.32	82.00
		For Dynamic Damper, Add	*297.55*	
		For 3 Hour Rated, Add	*165.31*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	834.49	86.79
		For Dynamic Damper, Add	*309.80*	
		For 3 Hour Rated, Add	*172.11*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	871.95	89.25
		For Dynamic Damper, Add	*326.12*	
		For 3 Hour Rated, Add	*181.18*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.83	96.49
		For Dynamic Damper, Add	*337.00*	
		For 3 Hour Rated, Add	*187.22*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.93	41.00
		For Dynamic Damper, Add	*207.79*	
		For 3 Hour Rated, Add	*115.44*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.25	43.47
		For Dynamic Damper, Add	*213.22*	
		For 3 Hour Rated, Add	*118.46*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	549.80	48.24
		For Dynamic Damper, Add	*218.66*	
		For 3 Hour Rated, Add	*121.48*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.82	53.03
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.64	57.95
		For Dynamic Damper, Add	*226.15*	
		For 3 Hour Rated, Add	*125.64*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.46	62.73
		For Dynamic Damper, Add	*232.26*	
		For 3 Hour Rated, Add	*129.04*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	648.06	67.51
		For Dynamic Damper, Add	*240.42*	
		For 3 Hour Rated, Add	*133.57*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	677.67	72.44
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	714.83	77.22
		For Dynamic Damper, Add	*260.83*	
		For 3 Hour Rated, Add	*144.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	759.53	82.00
		For Dynamic Damper, Add	*277.14*	
		For 3 Hour Rated, Add	*153.97*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.95	84.46
		For Dynamic Damper, Add	*290.74*	
		For 3 Hour Rated, Add	*161.52*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	831.96	86.79
		For Dynamic Damper, Add	*308.43*	
		For 3 Hour Rated, Add	*171.35*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	876.66	91.71
		For Dynamic Damper, Add	*324.75*	
		For 3 Hour Rated, Add	*180.41*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.83	96.49
		For Dynamic Damper, Add	*337.00*	
		For 3 Hour Rated, Add	*187.22*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	965.80	103.74
		For Dynamic Damper, Add	*353.32*	
		For 3 Hour Rated, Add	*196.29*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,005.48	108.51
		For Dynamic Damper, Add	*366.93*	
		For 3 Hour Rated, Add	*203.85*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.22	43.47
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.28	48.24
		For Dynamic Damper, Add	*217.30*	
		For 3 Hour Rated, Add	*120.72*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.34	53.03
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.32	57.95
		For Dynamic Damper, Add	*222.73*	
		For 3 Hour Rated, Add	*123.74*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	614.68	62.73
		For Dynamic Damper, Add	*230.22*	
		For 3 Hour Rated, Add	*127.90*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.02	67.51
		For Dynamic Damper, Add	*237.70*	
		For 3 Hour Rated, Add	*132.06*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.36	72.44
		For Dynamic Damper, Add	*245.18*	
		For 3 Hour Rated, Add	*136.21*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	699.70	77.22
		For Dynamic Damper, Add	*252.66*	
		For 3 Hour Rated, Add	*140.37*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	744.42	82.00
		For Dynamic Damper, Add	*268.98*	
		For 3 Hour Rated, Add	*149.44*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	781.90	84.46
		For Dynamic Damper, Add	*285.31*	
		For 3 Hour Rated, Add	*158.51*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	816.85	86.79
		For Dynamic Damper, Add	*300.27*	
		For 3 Hour Rated, Add	*166.82*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.61	91.71
		For Dynamic Damper, Add	*319.32*	
		For 3 Hour Rated, Add	*177.40*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	911.31	96.49
		For Dynamic Damper, Add	*335.64*	
		For 3 Hour Rated, Add	*186.47*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	958.55	101.27
		For Dynamic Damper, Add	*353.32*	
		For 3 Hour Rated, Add	*196.29*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	998.24	106.20
		For Dynamic Damper, Add	*366.93*	
		For 3 Hour Rated, Add	*203.85*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,045.46	110.98
		For Dynamic Damper, Add	*384.61*	
		For 3 Hour Rated, Add	*213.67*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,092.70	115.76
		For Dynamic Damper, Add	*402.29*	
		For 3 Hour Rated, Add	*223.50*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.26	48.24
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.34	53.03
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	588.84	57.95
		For Dynamic Damper, Add	*224.09*	
		For 3 Hour Rated, Add	*124.50*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.87	62.73
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	635.47	67.51
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.06	72.44
		For Dynamic Damper, Add	*241.78*	
		For 3 Hour Rated, Add	*134.32*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.92	77.22
		For Dynamic Damper, Add	*250.62*	
		For 3 Hour Rated, Add	*139.23*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.78	82.00
		For Dynamic Damper, Add	*259.46*	
		For 3 Hour Rated, Add	*144.14*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	766.77	84.46
		For Dynamic Damper, Add	*277.14*	
		For 3 Hour Rated, Add	*153.97*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	804.24	86.79
		For Dynamic Damper, Add	*293.46*	
		For 3 Hour Rated, Add	*163.04*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	851.50	91.71
		For Dynamic Damper, Add	*311.16*	
		For 3 Hour Rated, Add	*172.87*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	898.72	96.49
		For Dynamic Damper, Add	*328.84*	
		For 3 Hour Rated, Add	*182.69*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	938.39	101.27
		For Dynamic Damper, Add	*342.44*	
		For 3 Hour Rated, Add	*190.24*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	993.18	106.20
		For Dynamic Damper, Add	*364.20*	
		For 3 Hour Rated, Add	*202.33*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,042.92	110.98
		For Dynamic Damper, Add	*383.24*	
		For 3 Hour Rated, Add	*212.91*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,092.70	115.76
		For Dynamic Damper, Add	*402.29*	
		For 3 Hour Rated, Add	*223.50*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,137.38	120.68
		For Dynamic Damper, Add	*418.60*	
		For 3 Hour Rated, Add	*232.55*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,182.13	125.47
		For Dynamic Damper, Add	*434.94*	
		For 3 Hour Rated, Add	*241.63*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	115.26	16.08
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	139.76	16.80
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	169.83	16.95
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	162.40	16.95
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	154.98	17.39
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	186.48	19.27
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	144.70	17.39
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	181.33	19.27
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	173.17	20.28
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	200.00	21.73
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	163.01	18.40
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	165.68	20.28
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	196.26	21.73
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	173.25	24.19
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	197.31	26.52
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	181.33	19.27
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	185.01	21.73
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	168.46	24.19
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	187.64	24.19
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	214.11	26.52
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	240.53	28.98
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	161.95	20.28
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	151.59	21.73
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	180.43	24.19
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	209.28	26.52
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	238.12	28.98
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	272.52	31.29
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	309.30	36.22
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	251.10	38.54
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	292.61	43.47
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	177.52	21.73
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	168.46	24.19
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	199.69	26.52
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	230.94	28.98
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	267.56	31.29
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	299.57	33.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	251.10	38.54
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	266.12	38.54
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	310.64	43.47
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	355.16	48.24
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	331.03	53.03
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	366.95	57.95
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	158.83	24.19
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	194.89	26.52
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	230.94	28.98
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	272.52	31.29
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	234.84	36.22
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	260.10	38.54
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	292.61	43.47
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	310.64	43.47
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	361.18	48.24
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	339.59	53.03
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	379.84	57.95
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	420.06	62.73
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	408.82	67.51
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	443.90	72.44
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	464.50	72.44
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	173.25	24.19
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	214.11	26.52
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	267.56	31.29
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	234.84	36.22
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	263.11	38.54
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	298.63	43.47
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	334.16	48.24
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	355.16	48.24
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	339.59	53.03
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	384.13	57.95
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	428.65	62.73
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	433.59	72.44
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	457.63	72.44
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	496.13	77.22
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	534.67	82.00
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	558.71	82.00
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	555.18	86.79
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	576.18	86.79
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	194.89	26.52
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	252.71	31.29
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	299.57	33.75
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	260.10	38.54
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	298.63	43.47
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	337.14	48.24
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	299.36	48.24
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	331.03	53.03
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	379.84	57.95
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	428.65	62.73
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	437.04	72.44
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	464.50	72.44
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	506.45	77.22
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	548.40	82.00
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	549.16	86.79
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	573.20	86.79
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	611.70	91.71
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	635.75	91.71
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	619.32	96.49
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	639.91	96.49
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	675.00	101.27
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	209.28	26.52
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	279.76	33.75
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	251.10	38.54
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	292.61	43.47
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	334.16	48.24
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	299.36	48.24
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	333.16	53.03
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	366.95	57.95
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	420.06	62.73
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	433.59	72.44
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	464.50	72.44
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	509.86	77.22
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	555.26	82.00
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	558.15	86.79
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	599.70	91.71
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	626.72	91.71
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	614.18	96.49
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	637.34	96.49
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	675.00	101.27
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	698.17	101.27
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	721.36	101.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	230.94	28.98
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	306.82	36.22
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	266.12	38.54
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	310.64	43.47
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	355.16	48.24
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	331.03	53.03
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	366.95	57.95
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	402.88	62.73
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	408.82	67.51
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	457.63	72.44
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	506.45	77.22
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	555.26	82.00
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	561.16	86.79
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	605.69	91.71
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	635.75	91.71
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	611.61	96.49
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	257.66	31.29
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	248.09	38.54
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	295.62	43.47
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	343.15	48.24
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	324.57	53.03
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	362.66	57.95
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	386.26	57.95
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	424.36	62.73
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	443.90	72.44
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	496.13	77.22
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	548.40	82.00
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	558.15	86.79
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	605.69	91.71
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	638.73	91.71
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	629.63	96.49
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	643.77	96.49
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	279.76	33.75
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	260.10	38.54
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	310.64	43.47
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	299.36	48.24
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	339.59	53.03
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	379.84	57.95
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	420.06	62.73
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	408.82	67.51
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	464.50	72.44
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	534.67	82.00
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	549.16	86.79
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	599.70	91.71
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	635.75	91.71
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	629.63	96.49
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	675.00	101.27
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	690.45	101.27
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	287.19	33.75
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	280.61	43.47
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	332.65	48.24
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	320.28	53.03
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	361.59	57.95
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	402.88	62.73
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	444.21	67.51
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	431.86	72.44
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	489.27	77.22
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	546.67	82.00
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	561.16	86.79
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	613.21	91.71
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	611.61	96.49
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	643.77	96.49
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	690.45	101.27
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	706.54	101.27

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	125.42	16.08
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	153.33	16.80
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	157.92	16.95
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	165.07	16.95
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	180.81	17.39
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	200.90	19.27
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	202.25	17.39
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	229.48	19.27
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	232.38	20.28
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	243.88	21.73
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	196.11	18.40
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	207.15	20.28
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	221.94	21.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	229.18	24.19
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	246.87	26.52
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	240.80	19.27
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	253.29	21.73
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	222.16	24.19
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	222.16	24.19
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	246.02	26.52
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	253.26	28.98
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	235.49	20.28
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	239.84	21.73
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	259.55	24.19
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	279.28	26.52
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	286.52	28.98
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	293.77	31.29
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	312.43	36.22
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	309.38	38.54
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	339.35	43.47
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	274.16	21.73
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	289.15	24.19
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	296.40	26.52
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	319.09	28.98
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	326.34	31.29
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	333.58	33.75
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	359.69	38.54
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	363.55	38.54
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	378.04	43.47
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	400.27	48.24
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	430.25	53.03
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	444.73	57.95
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	351.06	24.19
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	358.31	26.52
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	365.55	28.98
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	372.80	31.29
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	398.89	36.22
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	425.46	38.54
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	439.95	43.47
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	439.95	43.47
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	392.53	48.24
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	372.63	53.03
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	387.11	57.95
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	411.76	62.73
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	431.32	67.51
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	445.81	72.44
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	445.81	72.44
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	316.17	24.19
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	323.42	26.52
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	337.91	31.29
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	357.48	36.22
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	369.79	38.54
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	384.28	43.47
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	398.77	48.24
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	419.08	48.24
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	433.57	53.03
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	448.05	57.95
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	467.62	62.73
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	501.68	72.44
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	501.68	72.44
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	539.02	77.22
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	506.74	82.00
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	506.74	82.00
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	521.23	86.79
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	532.07	86.79
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	353.14	26.52
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	367.63	31.29
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	379.22	33.75
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	402.36	38.54
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	434.21	43.47
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	448.70	48.24
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	448.70	48.24
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	471.88	53.03
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	486.36	57.95
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	500.85	62.73
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	529.83	72.44
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	542.87	72.44
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	566.04	77.22
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	593.54	82.00
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	608.03	86.79
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	608.03	86.79
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	626.84	91.71
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	642.05	91.71
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	625.09	96.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	625.09	96.49
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	653.56	101.27
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	430.97	26.52
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	460.70	33.75
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	475.18	38.54
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	489.67	43.47
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	528.11	48.24
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	528.11	48.24
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	542.60	53.03
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	565.07	57.95
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	583.54	62.73
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	616.50	72.44
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	616.50	72.44
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	662.94	77.22
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	677.43	82.00
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	691.92	86.79
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	714.40	91.71
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	722.39	91.71
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	736.87	96.49
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	738.85	96.49
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	783.27	101.27
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	783.27	101.27
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	783.27	101.27
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	585.92	28.98
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	611.64	36.22
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	618.87	38.54
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	641.36	43.47
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	614.85	48.24
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	629.34	53.03
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	672.28	57.95
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	686.77	62.73
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	715.52	67.51
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	730.01	72.44
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	744.50	77.22
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	758.99	82.00
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	794.83	86.79
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	823.55	91.71
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	823.55	91.71
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	859.41	96.49
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	663.83	31.29
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	692.67	38.54
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	728.51	43.47
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	743.00	48.24
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	782.41	53.03
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	800.46	57.95
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	800.46	57.95
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	830.97	62.73
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	794.09	72.44
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	814.97	77.22
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	861.50	82.00
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	875.99	86.79
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	903.30	91.71
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	909.73	91.71
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	924.21	96.49
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	930.60	96.49
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	742.26	33.75
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	782.38	38.54
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	803.27	43.47
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	837.01	48.24
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	851.50	53.03
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	878.80	57.95
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	893.29	62.73
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	920.57	67.51
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	858.16	72.44
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	912.78	82.00
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	944.36	86.79
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	958.85	91.71
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	958.85	91.71
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	979.03	96.49
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	1,016.31	101.27
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	1,016.31	101.27
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	819.16	33.75
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	859.54	43.47
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	896.82	48.24
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	911.31	53.03
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	942.87	57.95
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	963.07	62.73
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	888.19	67.51
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	902.68	72.44
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	949.55	77.22
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	964.04	82.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	978.53	86.79
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	1,022.92	91.71
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	1,037.40	96.49
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,052.36	96.49
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,083.05	101.27
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,111.71	101.27
23 33 13 23-0365		Backdraft Damper Accessories *(23 33 13 23)*		
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	296.09	33.63
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	506.12	33.63
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	50.47	10.13
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	312.99	37.37
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	349.56	42.59
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	449.19	56.50
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	619.32	65.20
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	694.46	78.24
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,033.32	99.10
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	431.37	37.37
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	490.25	42.59
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	547.15	56.50
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	765.98	65.20
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	856.35	78.24
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,319.70	99.10
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	437.91	59.31
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	526.49	67.99
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	683.22	78.11
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	831.10	88.24
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	768.93	88.24
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	982.91	92.58
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,085.95	98.36
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,191.88	104.15
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,563.63	118.61
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	976.19	98.36
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,318.51	118.61
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,336.23	159.11
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,584.64	167.79
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,885.39	180.82
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,240.17	196.73
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	489.02	130.19
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	589.62	150.43
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	767.05	173.58
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	933.22	195.28
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	862.54	195.28
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,107.56	206.85
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,219.68	216.97
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,333.99	228.55
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,759.62	260.37
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,094.96	216.97
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,481.08	260.37
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,618.34	342.82
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,922.36	371.75
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,245.99	394.89
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,653.31	433.95
23 33 19 00-0033		84" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	420.68	108.49
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	720.42	162.01
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,005.55	237.23
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	568.01	130.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	706.02	150.43
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	958.29	173.58
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,132.74	186.60
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,236.19	201.06
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,556.43	216.97
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,841.17	237.23
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,061.58	201.06
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,513.33	209.74
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,652.05	216.97
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,799.61	228.55
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,258.13	245.90
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,449.74	260.37

23 33 23 Turning Vanes *(23 33)*

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	14.87	3.62
		For Stainless Steel, Add	*8.84*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	14.09	1.45
		For Stainless Steel, Add	*13.31*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	57.74	5.42
		For Stainless Steel, Add	*61.15*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	71.69	5.78
		For Stainless Steel, Add	*77.35*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	97.91	6.07
		For Stainless Steel, Add	*108.31*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	124.19	6.51
		For Stainless Steel, Add	*139.26*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	137.61	6.94
		For Stainless Steel, Add	*154.72*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	175.76	6.51
		For Stainless Steel, Add	*201.16*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	215.96	7.66
		For Stainless Steel, Add	*247.57*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	231.86	8.02
		For Stainless Steel, Add	*266.21*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	258.88	8.33
		For Stainless Steel, Add	*298.15*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	111.04	20.25
		For Stainless Steel, Add	*51.92*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	117.28	20.25
		For Stainless Steel, Add	*62.84*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	120.32	20.25
		For Stainless Steel, Add	*68.16*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	155.06	24.59
		For Stainless Steel, Add	*96.11*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	156.30	24.59
		For Stainless Steel, Add	*98.28*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	194.82	33.27
		For Stainless Steel, Add	*113.10*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	232.33	40.50
		For Stainless Steel, Add	*121.80*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	302.43	54.97
		For Stainless Steel, Add	*149.56*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	18.13	4.33
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	18.58	3.90

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.21	1.45
		For R6.0 Insulated Flexible Duct, Deduct	*-1.02*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	11.27	2.90
		For R6.0 Insulated Flexible Duct, Deduct	*-1.08*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.26*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	12.65	2.90
		For R6.0 Insulated Flexible Duct, Deduct	*-1.10*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.29*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	14.68	2.90
		For R6.0 Insulated Flexible Duct, Deduct	*-1.24*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.44*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	17.17	4.33
		For R6.0 Insulated Flexible Duct, Deduct	*-1.25*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.46*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	22.23	4.33
		For R6.0 Insulated Flexible Duct, Deduct	*-1.68*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.96*	
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	29.80	5.78
		For R6.0 Insulated Flexible Duct, Deduct	*-2.00*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.33*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	37.05	5.78
		For R6.0 Insulated Flexible Duct, Deduct	*-2.44*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.84*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	48.33	7.23
		For R6.0 Insulated Flexible Duct, Deduct	*-2.91*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.40*	
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	58.93	9.40
		For R6.0 Insulated Flexible Duct, Deduct	*-3.79*	
		For R4.2 Insulated Flexible Duct, Deduct	*-4.42*	
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	69.69	10.13
		For R6.0 Insulated Flexible Duct, Deduct	*-5.72*	
		For R4.2 Insulated Flexible Duct, Deduct	*-6.67*	

23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0014	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	56.12	8.68
		For Stainless Steel, Add	*28.28*	
23 33 46 00-0015	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	61.07	10.13
		For Stainless Steel, Add	*28.66*	
23 33 46 00-0016	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	69.73	10.13
		For Stainless Steel, Add	*31.60*	
23 33 46 00-0017	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	79.25	13.01
		For Stainless Steel, Add	*32.60*	
23 33 46 00-0018	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	95.78	15.91
		For Stainless Steel, Add	*36.83*	
23 33 46 00-0019	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	112.23	18.81
		For Stainless Steel, Add	*45.41*	
23 33 46 00-0020	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	127.56	21.69
		For Stainless Steel, Add	*48.92*	
23 33 46 00-0021	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	150.86	24.59
		For Stainless Steel, Add	*61.26*	
23 33 46 00-0022	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	164.34	27.49
		For Stainless Steel, Add	*67.02*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.27	4.74
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	17.81	4.74
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	19.69	6.33
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	24.02	6.33
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	28.96	7.12
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.30	4.33
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.56	4.33
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.15	5.78
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	19.59	5.78
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	23.71	6.51

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.33	3.47
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	2.91	3.90
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	3.20	3.90
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	4.00	3.90
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	3.42	4.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.62	4.78
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	5.34	4.78

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	70.38	23.87
		For Stainless Steel, Add	*27.18*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	74.73	26.04
		For Stainless Steel, Add	*27.18*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	86.31	27.49
		For Stainless Steel, Add	*37.61*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	97.61	28.93
		For Stainless Steel, Add	*47.70*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	129.28	31.82
		For Stainless Steel, Add	*78.77*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	92.99	28.93
		For Stainless Steel, Add	*42.16*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	123.16	36.17
		For Stainless Steel, Add	*61.01*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	132.37	41.22
		For Stainless Steel, Add	*59.90*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	161.63	48.45
		For Stainless Steel, Add	*77.65*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	185.05	57.86
		For Stainless Steel, Add	*83.20*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	231.55	72.32
		For Stainless Steel, Add	*104.28*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,304.27	43.40
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,071.81	36.17
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,063.66	39.78

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,084.02	444.27
		For 1/4" Static Pressure, Add	*95.57*	
		For 3/8" Static Pressure, Add	*191.14*	
		For 1/2" Static Pressure, Add	*262.81*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,169.35	445.60
		For 1/4" Static Pressure, Add	*102.39*	
		For 3/8" Static Pressure, Add	*204.79*	
		For 1/2" Static Pressure, Add	*281.58*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,340.01	444.27
		For 1/4" Static Pressure, Add	*116.05*	
		For 3/8" Static Pressure, Add	*232.09*	
		For 1/2" Static Pressure, Add	*319.13*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,510.67	445.60
		For 1/4" Static Pressure, Add	*129.70*	
		For 3/8" Static Pressure, Add	*259.40*	
		For 1/2" Static Pressure, Add	*356.68*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,944.54	533.65
		For 1/4" Static Pressure, Add	*150.18*	
		For 3/8" Static Pressure, Add	*300.36*	
		For 1/2" Static Pressure, Add	*412.99*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,378.67	580.35
		For 1/4" Static Pressure, Add	*177.48*	
		For 3/8" Static Pressure, Add	*354.97*	
		For 1/2" Static Pressure, Add	*488.08*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,574.49	635.05
		For 1/4" Static Pressure, Add	*184.31*	
		For 3/8" Static Pressure, Add	*368.62*	
		For 1/2" Static Pressure, Add	*506.85*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	4,064.65	667.06
		For 1/4" Static Pressure, Add	*218.44*	
		For 3/8" Static Pressure, Add	*436.88*	
		For 1/2" Static Pressure, Add	*600.71*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,910.15	833.83
		For 1/4" Static Pressure, Add	*259.40*	
		For 3/8" Static Pressure, Add	*518.80*	
		For 1/2" Static Pressure, Add	*713.35*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,533.31	889.87
		For 1/4" Static Pressure, Add	*300.36*	
		For 3/8" Static Pressure, Add	*600.72*	
		For 1/2" Static Pressure, Add	*825.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,489.61	1,025.95
		For 1/4" Static Pressure, Add	*354.97*	
		For 3/8" Static Pressure, Add	*709.94*	
		For 1/2" Static Pressure, Add	*976.16*	
23 34 13 00-0014		**Belt Drive Tube-Axial Duct Fans** *(23 34 13 00-0001)*		
23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,978.33	430.92
		For 1/4" Static Pressure, Add	*89.41*	
		For 3/8" Static Pressure, Add	*178.82*	
		For 1/2" Static Pressure, Add	*245.87*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	2,095.25	445.60
		For 1/4" Static Pressure, Add	*96.47*	
		For 3/8" Static Pressure, Add	*192.93*	
		For 1/2" Static Pressure, Add	*265.28*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,165.13	460.28
		For 1/4" Static Pressure, Add	*99.60*	
		For 3/8" Static Pressure, Add	*199.21*	
		For 1/2" Static Pressure, Add	*273.91*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,289.49	476.28
		For 1/4" Static Pressure, Add	*106.92*	
		For 3/8" Static Pressure, Add	*213.85*	
		For 1/2" Static Pressure, Add	*294.04*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,573.13	494.97
		For 1/4" Static Pressure, Add	*126.79*	
		For 3/8" Static Pressure, Add	*253.58*	
		For 1/2" Static Pressure, Add	*348.68*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,712.45	513.64
		For 1/4" Static Pressure, Add	*134.90*	
		For 3/8" Static Pressure, Add	*269.79*	
		For 1/2" Static Pressure, Add	*370.96*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	3,028.00	533.65
		For 1/4" Static Pressure, Add	*156.86*	
		For 3/8" Static Pressure, Add	*313.71*	
		For 1/2" Static Pressure, Add	*431.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,401.71	533.65
		For 1/4" Static Pressure, Add	*186.89*	
		For 3/8" Static Pressure, Add	*373.78*	
		For 1/2" Static Pressure, Add	*513.94*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,935.75	580.35
		For 1/4" Static Pressure, Add	*222.21*	
		For 3/8" Static Pressure, Add	*444.42*	
		For 1/2" Static Pressure, Add	*611.08*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,669.22	703.09
		For 1/4" Static Pressure, Add	*261.43*	
		For 3/8" Static Pressure, Add	*522.85*	
		For 1/2" Static Pressure, Add	*718.92*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,300.82	703.09
		For 1/4" Static Pressure, Add	*311.48*	
		For 3/8" Static Pressure, Add	*622.96*	
		For 1/2" Static Pressure, Add	*856.57*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,829.75	741.78
		For 1/4" Static Pressure, Add	*347.79*	
		For 3/8" Static Pressure, Add	*695.58*	
		For 1/2" Static Pressure, Add	*956.43*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,363.00	784.47
		For 1/4" Static Pressure, Add	*383.77*	
		For 3/8" Static Pressure, Add	*767.54*	
		For 1/2" Static Pressure, Add	*1,055.37*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,274.74	1,025.95
		For 1/4" Static Pressure, Add	*418.28*	
		For 3/8" Static Pressure, Add	*836.56*	
		For 1/2" Static Pressure, Add	*1,150.27*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,275.84	1,027.28
		For 1/4" Static Pressure, Add	*498.37*	
		For 3/8" Static Pressure, Add	*996.74*	
		For 1/2" Static Pressure, Add	*1,370.52*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,357.97	1,212.46
		For 1/4" Static Pressure, Add	*555.29*	
		For 3/8" Static Pressure, Add	*1,110.57*	
		For 1/2" Static Pressure, Add	*1,527.04*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*
Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*
Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*
Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,391.80	293.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,976.94	304.19
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,035.48	242.41
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,125.34	332.19
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,179.42	352.22
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,249.71	366.88
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,322.02	390.90
23 34 16 00-0012		**13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,274.40	320.19
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,316.57	332.19
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,394.47	352.22
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,440.56	366.88
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,525.35	390.90
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,608.59	409.58
23 34 16 00-0019		**15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,292.71	332.19
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,346.77	352.22
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,416.70	366.88
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,477.63	390.90
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,552.92	409.58
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,659.09	440.27
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,741.92	462.94
23 34 16 00-0027		**16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,621.12	352.22
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,715.84	366.88
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,822.10	390.90
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,878.87	409.58
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,954.60	440.27
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,018.92	462.94
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,350.82	502.96
23 34 16 00-0035		**18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,708.95	366.88
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,775.83	390.90
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,863.07	409.58
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,933.46	440.27
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,028.21	462.94
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,171.90	502.96
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,265.82	533.65
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,406.99	587.02
23 34 16 00-0044		**20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,740.06	390.90
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,827.26	409.58
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,933.46	440.27
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,028.21	462.94
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,207.68	502.96
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,454.96	533.65
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,632.96	587.02
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,815.78	628.37
23 34 16 00-0053		**22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,284.53	409.58
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,349.32	440.27
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,435.76	462.94
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,545.65	502.96
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,688.26	533.65
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,742.29	587.02
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,839.63	628.37
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,013.62	704.42
23 34 16 00-0062		**24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,943.39	440.27
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,078.45	502.96
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,208.16	533.65
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,348.66	587.02
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,471.83	628.37
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,586.19	704.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,738.64	765.79
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,091.57	880.52
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,366.18	462.94
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,506.38	533.65
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,646.86	587.02
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,770.05	628.37
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,944.04	704.42
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,096.13	765.79
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,474.41	880.52
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,538.02	977.92
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,108.10	587.02
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,226.59	628.37
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,411.24	704.42
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,575.25	765.79
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,821.20	880.52
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,041.00	977.92
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,409.06	1,174.03
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,748.00	1,354.14
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,155.74	628.37
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,389.37	704.42
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,601.47	765.79
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,894.77	880.52
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,162.29	977.92
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,578.04	1,174.03
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,036.89	1,354.14
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,706.04	1,761.06
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,642.27	704.42
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,861.51	765.79
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,548.44	880.52
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,013.98	977.92
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,597.02	1,174.03
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,048.36	1,354.14
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,999.23	1,761.06
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,808.81	2,201.32
23 34 16 00-0108		**Kitchen System Fans** *(23 34 16 00-0001)*		
23 34 16 00-0109		**Upblast Kitchen Exhaust Fans** *(23 34 16 00-0108)*		
23 34 16 00-0110		**Direct Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)* Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,462.28	173.44
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*181.64*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,713.35	173.44
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*181.64*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0113		**Belt Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)* Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,506.46	173.44
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*100.26*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*183.57*	
		For Backdraft Damper, Add	*181.64*	
		For Damper Motor, Add	*295.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,615.42	173.44
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*104.62*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*192.83*	
		For Backdraft Damper, Add	*181.64*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,248.20	200.12
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*89.93*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*157.08*	
		For Backdraft Damper, Add	*206.21*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,405.10	200.12
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*96.20*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*170.41*	
		For Backdraft Damper, Add	*206.21*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,055.84	233.47
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*122.23*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*220.06*	
		For Backdraft Damper, Add	*206.21*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,223.64	233.47
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*128.95*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*234.32*	
		For Backdraft Damper, Add	*206.21*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,511.95	250.15
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*140.48*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*255.99*	
		For Backdraft Damper, Add	*257.65*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,773.46	250.15
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*150.94*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*278.22*	
		For Backdraft Damper, Add	*257.65*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,837.32	266.83
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*153.49*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*280.81*	
		For Backdraft Damper, Add	*257.65*	
		For Damper Motor, Add	*295.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,205.60	266.83
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*168.22*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*312.12*	
		For Backdraft Damper, Add	*257.65*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,843.26	300.18
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*193.73*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*360.65*	
		For Backdraft Damper, Add	*279.24*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	5,181.04	300.18
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*207.24*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*389.36*	
		For Backdraft Damper, Add	*279.24*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	6,139.03	333.53
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*245.56*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*465.12*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	6,250.17	333.53
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*250.01*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*474.56*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	6,814.58	333.53
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*272.58*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*522.54*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	7,086.98	333.53
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*283.48*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*545.69*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	7,803.43	366.88
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*312.14*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*600.92*	
		For Damper Motor, Add	*295.42*	
		For Backdraft Damper, Add	*364.61*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	8,116.69	366.88
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*324.67*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*627.55*	
		For Damper Motor, Add	*295.42*	
		For Backdraft Damper, Add	*364.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,192.18	400.24
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*628.30*	
		For Damper Motor, Add	*295.42*	
		For Backdraft Damper, Add	*423.63*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,879.93	400.24
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*686.76*	
		For Damper Motor, Add	*295.42*	
		For Backdraft Damper, Add	*423.63*	
23 34 16 00-0134		**Untempered Kitchen Make-Up Air Fans** *(23 34 16 00-0108)* Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135		**Direct Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,694.04	173.44
		For Extended Weatherhood, Add	*288.76*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,779.33	173.44
		For Extended Weatherhood, Add	*301.55*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,884.00	173.44
		For Extended Weatherhood, Add	*317.25*	
23 34 16 00-0139		**Belt Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,924.60	173.44
		For Extended Weatherhood, Add	*323.34*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,161.01	233.47
		For Extended Weatherhood, Add	*370.85*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,603.89	266.83
		For Extended Weatherhood, Add	*443.95*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,020.60	333.53
		For Extended Weatherhood, Add	*519.80*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,655.17	400.24
		For Extended Weatherhood, Add	*628.32*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	972.34	436.55
23 34 16 00-0148	EA	Fan Belt, Replacement	158.19	59.21
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,561.97	240.84
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,132.69	289.30
		For Explosion Proof Motor, Add	*983.11*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,461.81	361.62
		For Explosion Proof Motor, Add	*1,160.78*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,098.28	482.41
		For Explosion Proof Motor, Add	*1,220.01*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,448.51	723.25
		For Explosion Proof Motor, Add	*1,350.30*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	18,054.26	1,446.51
		For Explosion Proof Motor, Add	*2,274.19*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	26,324.62	2,067.77
		For Explosion Proof Motor, Add	*3,328.37*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,561.97	240.84
		For Explosion Proof Motor, Add	*912.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,737.86	289.30
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,882.51	361.62
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,124.16	482.41
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,816.79	723.25
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,178.41	904.06
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,439.34	1,034.53
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,697.96	1,084.87
		For Explosion Proof Motor, Add	*1,279.23*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	11,018.01	1,205.37
		For Explosion Proof Motor, Add	*1,291.08*	

23 34 16 00-0168 In-Line Duct Fans *(23 34 16 00-0001)*

23 34 16 00-0169 Direct Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck SQ.

23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,747.35	173.44
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	2,230.23	186.78
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	2,445.22	200.12
		Note: 115V. Includes disconnect switch.		

23 34 16 00-0173 Belt Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck BSQ.

23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,554.14	200.12
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,935.84	233.47
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	3,299.36	233.47
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,608.41	233.47
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	3,517.63	266.83
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	4,041.01	266.83
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	5,141.83	333.53
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	5,430.75	333.53
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	5,634.42	333.53
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	6,517.50	400.24
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	6,760.59	400.24
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan	7,059.33	400.24
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	

23 34 16 00-0186 In-Line Cabinet Fans *(23 34 16 00-0001)*

23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	562.04	116.73
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	562.04	116.73
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	637.44	123.40
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	703.54	123.40
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	884.10	123.40
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	733.05	123.40
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	836.81	123.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,569.18	123.40
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	982.38	130.07
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	998.66	130.07
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,633.40	130.07
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	998.66	130.07
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,339.41	130.07
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,339.41	130.07
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,339.41	130.07
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,453.34	130.07

23 34 16 00-0203 Propeller And Ceiling Fans *(23 34 16)*

23 34 16 00-0204 Direct Drive, Sidewall Propeller Exhaust Fan *(23 34 16 00-0203)*

Note: Greenheck SE1.

23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	783.21	142.75
		For Backdraft Damper, Add	*210.12*	
		For Wall Mount Collar, Add	*299.15*	
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	830.48	158.76
		For Backdraft Damper, Add	*225.73*	
		For Wall Mount Collar, Add	*299.15*	
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	919.65	176.10
		For Backdraft Damper, Add	*247.32*	
		For Wall Mount Collar, Add	*307.02*	
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,337.52	194.79
		For Backdraft Damper, Add	*295.77*	
		For Wall Mount Collar, Add	*312.71*	
		For Motor Side Guard, Add	*257.39*	
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,130.61	216.13
		For Backdraft Damper, Add	*295.77*	
		For Wall Mount Collar, Add	*320.59*	
		For Motor Side Guard, Add	*273.97*	
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,269.25	240.14
		For Backdraft Damper, Add	*359.16*	
		For Wall Mount Collar, Add	*328.45*	
		For Motor Side Guard, Add	*290.56*	
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,444.47	266.83
		For Backdraft Damper, Add	*359.16*	
		For Wall Mount Collar, Add	*334.14*	
		For Motor Side Guard, Add	*313.68*	

23 34 16 00-0212 Belt Drive Propeller Exhaust Fans *(23 34 16 00-0203)*

Note: Wall shutter 1/8" static pressure, with bird screen.

23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,661.40	381.56
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	3,049.46	444.27
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,464.18	533.65
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,810.64	667.06
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,754.72	889.87
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	8,009.82	1,334.13
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,632.49	1,710.36

23 34 16 00-0220 Propeller Exhaust Fan Accessories *(23 34 16 00-0203)*

23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	137.40	
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	315.26	

23 34 16 00-0223 Reversible Ceiling Fans *(23 34 16 00-0203)*

23 34 16 00-0224 4 Blade Ceiling Fans *(23 34 16 00-0223)*

23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed	614.44	66.58
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.11*	

23 34 16 00-0226 5 Blade Ceiling Fans *(23 34 16 00-0223)*

23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	672.26	164.77
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.18*	
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	767.45	164.77
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.31*	

23 34 16 00-0229 3 Blade Weatherproof Ceiling Fans *(23 34 16 00-0223)*

23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	644.49	66.04

23 34 16 00-0231 Ceiling Fan Down Rod *(23 34 16 00-0223)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0232	EA	1' Ceiling Fan Down Rod	24.78	
23 34 16 00-0233	EA	1-1/2' Ceiling Fan Down Rod	32.46	
23 34 16 00-0234	EA	2' Ceiling Fan Down Rod	36.30	
23 34 16 00-0235	EA	3' Ceiling Fan Down Rod	48.66	
23 34 16 00-0236	EA	4' Ceiling Fan Down Rod	56.85	
23 34 16 00-0237	EA	5' Ceiling Fan Down Rod	69.81	
23 34 16 00-0238	EA	6' Ceiling Fan Down Rod	87.26	
23 34 16 00-0239		**Explosion Proof Industrial Blowers** *(23 34 16 00-0203)*		
23 34 16 00-0240	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,662.45	
23 34 16 00-0241	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	6,229.26	
23 34 16 00-0242	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,324.13	
23 34 16 00-0243	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,714.35	
23 34 16 00-0244	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	5,153.13	
23 34 16 00-0245	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,493.30	
23 34 16 00-0246	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,574.09	
23 34 16 00-0247	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	8,215.92	
23 34 16 00-0248		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0249		**Exhaust Fans** *(23 34 16 00-0248)* Note: Excludes ducting.		
23 34 16 00-0250		**Light Duty Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0251		**Light Duty Exhaust Fans** *(23 34 16 00-0250)*		
23 34 16 00-0252	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	162.69	53.81
23 34 16 00-0253	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	171.90	53.81
23 34 16 00-0254	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	282.36	53.81
23 34 16 00-0255	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	356.23	53.81
23 34 16 00-0256	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	318.73	53.81
23 34 16 00-0257	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	423.62	53.81
23 34 16 00-0258		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0250)*		
23 34 16 00-0259	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	211.91	53.81
23 34 16 00-0260	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	234.96	53.81
23 34 16 00-0261	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	437.70	53.81
23 34 16 00-0262		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0250)*		
23 34 16 00-0263	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	216.90	53.81
23 34 16 00-0264	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	343.31	53.81
23 34 16 00-0265		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0250)*		
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	365.22	53.81
23 34 16 00-0267	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	553.37	53.81
23 34 16 00-0268		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0269		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0268)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0270	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	251.71	53.81
23 34 16 00-0271	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	278.13	53.81
23 34 16 00-0272	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	506.80	53.81
23 34 16 00-0273	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	519.05	53.81
23 34 16 00-0274	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	557.16	53.81
23 34 16 00-0275	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	581.51	53.81
23 34 16 00-0276	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	590.94	53.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0277	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	676.01	53.81
23 34 16 00-0278	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	769.84	53.81
23 34 16 00-0279	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	823.28	53.81
23 34 16 00-0280	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	979.41	53.81
23 34 16 00-0281	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,257.53	53.81
23 34 16 00-0282		**Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0268)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0283	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	526.18	53.81
23 34 16 00-0284	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	762.82	53.81
23 34 16 00-0285	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	806.65	53.81
23 34 16 00-0286		**Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0268)*		
23 34 16 00-0287	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	273.35	53.81
23 34 16 00-0288	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	298.16	53.81
23 34 16 00-0289		**Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0268)*		
23 34 16 00-0290	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	284.24	53.81
23 34 16 00-0291	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	300.67	53.81
23 34 16 00-0292	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	308.60	53.81
23 34 16 00-0293		**Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0294	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,349.78	53.81
23 34 16 00-0295	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,349.78	53.81
23 34 16 00-0296	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,349.78	53.81
23 34 16 00-0297	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,481.00	53.81
23 34 16 00-0298		**Room-To-Room Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0299	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	205.70	53.81
23 34 16 00-0300	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	339.87	53.81
23 34 16 00-0301	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	388.76	53.81
23 34 16 00-0302		**Through-Wall Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0303	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	363.20	53.81
23 34 16 00-0304	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	430.59	53.81
23 34 16 00-0305	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	316.87	53.81
23 34 16 00-0306	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	423.62	53.81
23 34 16 00-0307	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	739.63	53.81
23 34 16 00-0308		**Exhaust Fan Accessories** *(23 34 16 00-0249)*		
23 34 16 00-0309		**Exhaust Fan Controls** *(23 34 16 00-0308)*		
23 34 16 00-0310	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	199.70	33.63
23 34 16 00-0311	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	140.10	33.63
23 34 16 00-0312	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	141.51	33.63
23 34 16 00-0313		**Roof And Wall Caps For Exhaust Fans** *(23 34 16 00-0308)*		
23 34 16 00-0314		**Wall Caps For Exhaust Fans** *(23 34 16 00-0313)*		
23 34 16 00-0315	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	328.98	72.44
23 34 16 00-0316	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	333.68	72.44
23 34 16 00-0317		**Roof Caps For Exhaust Fans** *(23 34 16 00-0313)*		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0318	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	280.56	72.44
23 34 16 00-0319	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	402.41	72.44
23 34 16 00-0320	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	186.89	72.44
23 34 16 00-0321	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	223.44	72.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0322		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0249)* Note: Includes storage and cleaning.		
23 34 16 00-0323	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	100.05	
23 34 23		**HVAC Power Ventilators** *(23 34)*		
23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	685.53	190.78
		For 12" Roof Curb, Add	*242.13*	
		For Backdraft Damper, Add	*169.01*	
		For Solid State Speed Control, Add	*125.17*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	749.07	216.13
		For 12" Roof Curb, Add	*242.13*	
		For Backdraft Damper, Add	*169.01*	
		For Solid State Speed Control, Add	*125.17*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,058.32	252.15
		For 12" Roof Curb, Add	*248.67*	
		For Backdraft Damper, Add	*181.64*	
		For Solid State Speed Control, Add	*125.17*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,092.81	284.17
		For 12" Roof Curb, Add	*248.67*	
		For Backdraft Damper, Add	*181.64*	
		For Solid State Speed Control, Add	*125.17*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,397.28	313.52
		For Solid State Speed Control, Add	*125.17*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,585.02	333.53
		For 12" Roof Curb, Add	*259.56*	
		For Backdraft Damper, Add	*206.21*	
		For Solid State Speed Control, Add	*192.73*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0009		Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,590.11	339.65
		For 12" Roof Curb, Add	*248.67*	
		For Backdraft Damper, Add	*181.64*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,731.96	360.58
		For 12" Roof Curb, Add	*259.56*	
		For Backdraft Damper, Add	*206.21*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,332.42	430.92
		For 12" Roof Curb, Add	*259.56*	
		For Backdraft Damper, Add	*206.21*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,971.75	533.65
		For 12" Roof Curb, Add	*311.86*	
		For Backdraft Damper, Add	*257.65*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,911.93	667.06
		For 12" Roof Curb, Add	*335.84*	
		For Backdraft Damper, Add	*279.24*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,289.74	833.83
		For 12" Roof Curb, Add	*372.88*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,342.04	833.83
		For 12" Roof Curb, Add	*372.88*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,906.46	833.83
		For 12" Roof Curb, Add	*372.88*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,618.72	833.83
		For 12" Roof Curb, Add	*372.88*	
		For Backdraft Damper, Add	*309.77*	
		For Damper Motor, Add	*295.42*	
23 34 23 00-0019		Propeller Exhaust Fans, Roof Mounted Upblast *(23 34 23 00-0001)* Note: Includes back draft damper and bird screen and curb.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,997.11	1,025.95
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,715.14	1,333.73
23 34 23 00-0022		Belt Drive Supply Fans *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,565.58	532.71
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,814.53	666.93
23 34 23 00-0025		Fan Thermostat *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	155.11	
23 34 23 00-0027		Power Wall Ventilators *(23 34 23)*		
23 34 23 00-0028		Centrifugal Sidewall Exhausters *(23 34 23 00-0027)*		
23 34 23 00-0029		Direct Drive, Aluminum, Centrifugal Sidewall Exhauster *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	910.00	214.80
		For Solid State Speed Control, Add	*192.73*	
		For Backdraft Damper, Add	*233.32*	
		For Damper Motor, Add	*505.45*	
		For Interior Wall Grill, Add	*144.07*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,045.57	252.15
		For Solid State Speed Control, Add	*192.73*	
		For Backdraft Damper, Add	*257.89*	
		For Damper Motor, Add	*505.45*	
		For Interior Wall Grill, Add	*171.55*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,537.91	284.17
		For Solid State Speed Control, Add	*192.73*	
		For Backdraft Damper, Add	*291.41*	
		For Damper Motor, Add	*505.45*	
		For Interior Wall Grill, Add	*199.03*	
23 34 23 00-0033		Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)*		
		Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,707.35	160.56
		For Solid State Speed Control, Add	*192.73*	
		For Backdraft Damper, Add	*269.97*	
		For Damper Motor, Add	*505.45*	
		For Interior Wall Grill, Add	*302.79*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,861.16	180.82
		For Solid State Speed Control, Add	*192.73*	
		For Backdraft Damper, Add	*269.97*	
		For Damper Motor, Add	*505.45*	
		For Interior Wall Grill, Add	*302.79*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,512.52	206.85
		For Solid State Speed Control, Add	*192.73*	
		For Backdraft Damper, Add	*338.54*	
		For Damper Motor, Add	*505.45*	
		For Interior Wall Grill, Add	*352.07*	
23 34 33		**Air Curtains** *(23 34)*		
23 34 33 00-0001		Unheated Air Curtains For Entrances *(23 34 33)*		
23 34 33 00-0002		Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*		
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated	2,726.68	977.92
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated	2,763.28	977.92
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated	2,802.92	977.92
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated	3,458.63	977.92
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated	3,932.00	1,174.03
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	4,160.73	1,174.03
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	4,617.39	1,354.14
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	5,530.81	1,354.14
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	5,646.70	1,354.14
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	5,954.73	1,354.14
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,333.59	977.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,380.86	977.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,400.68	977.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,438.81	977.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	5,322.71	1,174.03
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	5,557.54	1,174.03
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	5,927.28	1,354.14
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	6,740.05	1,354.14
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	6,825.45	1,354.14
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	7,157.88	1,354.14
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0024 Service Window Unheated Air Curtains *(23 34 33 00-0001)*
Note: Normal window sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls.	2,395.04	771.13
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)* Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,531.54	861.19
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,906.04	861.19
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,436.99	1,033.28
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	5,886.39	1,033.28
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	7,248.19	1,377.49
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	7,847.39	1,377.49
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	8,832.52	1,678.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	9,562.79	1,678.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	11,098.02	2,108.59
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	12,914.34	2,108.59
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	12,684.32	2,410.11
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	14,759.67	2,410.11
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	14,491.83	2,754.32
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	16,863.66	2,754.32
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 39 High-Volume, Low-Speed Propeller Fans *(23 34)*

Note: (Air Destratification Fans)

23 34 39 00-0001 Variable Speed Ceiling Fans (Big Ass Fans® Basic 6®) *(23 34 39)*

23 34 39 00-0002	EA	8' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 8')	10,242.11	1,067.31
23 34 39 00-0003	EA	10' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 10')	10,469.79	1,134.01
23 34 39 00-0004	EA	12' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 12')	10,697.48	1,200.71
23 34 39 00-0005	EA	14' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 14')	10,909.46	1,267.43
23 34 39 00-0006	EA	16' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 16')	11,137.14	1,334.13
23 34 39 00-0007	EA	18' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 18')	11,364.82	1,400.84
23 34 39 00-0008	EA	20' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 20')	11,592.51	1,467.55
23 34 39 00-0009	EA	24' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 24')	11,804.49	1,534.25

23 34 39 00-0010 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil® 8) *(23 34 39)*

23 34 39 00-0011	EA	8' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-08)	11,891.89	1,067.31
23 34 39 00-0012	EA	10' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-10)	12,205.99	1,134.01
23 34 39 00-0013	EA	12' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-12)	12,520.10	1,200.71
23 34 39 00-0014	EA	14' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-14)	12,834.21	1,267.43
23 34 39 00-0015	EA	16' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-16)	13,156.15	1,334.13
23 34 39 00-0016	EA	18' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-18)	13,470.25	1,400.84
23 34 39 00-0017	EA	20' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-20)	13,784.36	1,467.55
23 34 39 00-0018	EA	24' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-24)	14,082.76	1,534.25

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 13 Sawdust Collection Systems *(23 35 13)*

23 35 13 13-0001 Dust Collector System *(23 35 13 13)*

23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,950.19	1,157.20
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,566.22	1,374.18
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,674.71	1,591.16
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	7,627.32	1,880.45
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	15,577.82	2,091.18
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	18,882.02	2,439.72
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	21,627.53	2,788.24
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	24,331.90	3,206.48
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	27,159.35	3,624.72

23 35 13 13-0011 Vacuum Tubing And Accessories *(23 35 13 13)*

23 35 13 13-0012 Galvanized Vacuum Tubing *(23 35 13 13-0011)*

23 35 13 13-0013	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.94	2.40
23 35 13 13-0014	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	13.34	2.54
23 35 13 13-0015	LF	3" Outside Diameter Vacuum Tubing, Galvanized	15.81	2.67
23 35 13 13-0016	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	20.46	2.80
23 35 13 13-0017	LF	4" Outside Diameter Vacuum Tubing, Galvanized	21.04	2.94
23 35 13 13-0018	LF	5" Outside Diameter Vacuum Tubing, Galvanized	34.54	3.34
23 35 13 13-0019	LF	6" Outside Diameter Vacuum Tubing, Galvanized	38.94	3.87
23 35 13 13-0020	LF	8" Outside Diameter Vacuum Tubing, Galvanized	52.71	5.33
23 35 13 13-0021	LF	10" Outside Diameter Vacuum Tubing, Galvanized	61.82	6.67
23 35 13 13-0022	LF	12" Outside Diameter Vacuum Tubing, Galvanized	152.57	8.80

23 35 13 13-0023 Vacuum Fittings, Galvanized *(23 35 13 13-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0024		**90 Degree Elbow** *(23 35 13 13-0023)*		
23 35 13 13-0025	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	60.60	15.34
23 35 13 13-0026	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	74.45	16.41
23 35 13 13-0027	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	92.26	17.88
23 35 13 13-0028	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	108.52	19.35
23 35 13 13-0029	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	128.91	21.35
23 35 13 13-0030	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	210.68	23.74
23 35 13 13-0031	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	278.64	26.68
23 35 13 13-0032	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	497.51	35.62
23 35 13 13-0033		**45 Degree Elbow** *(23 35 13 13-0023)*		
23 35 13 13-0034	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	56.97	15.34
23 35 13 13-0035	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	71.46	16.41
23 35 13 13-0036	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	82.23	17.88
23 35 13 13-0037	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	97.19	19.35
23 35 13 13-0038	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	118.45	21.35
23 35 13 13-0039	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	174.37	23.74
23 35 13 13-0040	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	225.24	26.68
23 35 13 13-0041	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	407.79	35.62
23 35 13 13-0042		**Wye** *(23 35 13 13-0023)*		
23 35 13 13-0043	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	109.43	25.35
23 35 13 13-0044	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	130.72	27.34
23 35 13 13-0045	EA	3" Wye, Vacuum Tubing, Galvanized	158.62	29.35
23 35 13 13-0046	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	191.90	32.69
23 35 13 13-0047	EA	4" Wye, Vacuum Tubing, Galvanized	253.98	35.35
23 35 13 13-0048	EA	5" Wye, Vacuum Tubing, Galvanized	424.42	39.36
23 35 13 13-0049	EA	6" Wye, Vacuum Tubing, Galvanized	560.54	44.69
23 35 13 13-0050	EA	8" Wye, Vacuum Tubing, Galvanized	1,098.47	48.69
23 35 13 13-0051	EA	10" Wye, Vacuum Tubing, Galvanized	1,518.05	53.36
23 35 13 13-0052	EA	12" Wye, Vacuum Tubing, Galvanized	1,916.08	59.77
23 35 13 13-0053		**Reducer** *(23 35 13 13-0023)*		
23 35 13 13-0054	EA	3" Reducer, Vacuum Tubing, Galvanized	62.99	17.88
23 35 13 13-0055	EA	4" Reducer, Vacuum Tubing, Galvanized	69.95	19.35
23 35 13 13-0056	EA	5" Reducer, Vacuum Tubing, Galvanized	87.66	21.35
23 35 13 13-0057	EA	6" Reducer, Vacuum Tubing, Galvanized	94.72	23.74
23 35 13 13-0058	EA	8" Reducer, Vacuum Tubing, Galvanized	110.58	26.68
23 35 13 13-0059		**Flexible Hose** *(23 35 13 13-0011)*		
23 35 13 13-0060	LF	2" Flexible Hose	13.82	2.40
23 35 13 13-0061	LF	3" Flexible Hose	16.50	2.67
23 35 13 13-0062	LF	4" Flexible Hose	17.91	2.94
23 35 13 13-0063		**Air Gate Valve, Galvanized** *(23 35 13 13-0011)*		
23 35 13 13-0064	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	416.52	35.62
23 35 13 13-0065	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	436.48	38.02
23 35 13 13-0066	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	500.91	40.96
23 35 13 13-0067	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	569.85	43.76
23 35 13 13-0068	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	641.92	46.43
23 35 13 13-0069	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	757.58	52.97
23 35 13 13-0070	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	872.12	59.37
23 35 16		**Engine Exhaust Systems** *(23 35)*		
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Tailpipe Exhaust Equipment *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust System *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,920.26	284.17
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,572.76	580.35
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,349.50	703.09
23 35 16 16-0008		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,448.29	580.35
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,750.66	703.09
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,725.17	1,112.66
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	7,016.84	1,435.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,853.30	1,710.36
23 35 16 16-0014		**Spiral Exhaust Duct Accessories** *(23 35 16 16-0002)*		
23 35 16 16-0015		**Flex Hose x Length** *(23 35 16 16-0014)*		
		Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	205.28	70.71
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	175.67	70.71
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	314.93	112.07
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	265.45	112.07
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	447.31	177.44
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	429.60	177.44
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	683.75	281.50
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	646.51	281.50
23 35 16 16-0024		**Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter** *(23 35 16 16-0014)*		
23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	228.89	70.71
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	332.17	112.07
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	194.79	70.71
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	281.57	112.07
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,790.83	95.25
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,567.83	174.77
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,728.18	174.77
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	83.21	13.61
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	93.06	13.61
23 35 16 16-0034		**Flexible Hose** *(23 35 16 16-0014)*		
23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing	28.11	3.34
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing	35.28	3.73
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing	41.48	3.87
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing	48.54	4.13
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	21.95	3.34
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	25.67	3.73
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	29.28	3.87
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	32.56	4.13
23 35 16 16-0043		**Accessories** *(23 35 16 16-0002)*		
23 35 16 16-0044	EA	3" Tail Pipe Adapter	68.95	10.01
23 35 16 16-0045	EA	4" Tail Pipe Adapter	70.91	10.01
23 35 16 16-0046	EA	5" Tail Pipe Adapter	75.54	11.34
23 35 16 16-0047	EA	3" Bullnose (Guide)	38.35	6.67
23 35 16 16-0048	EA	4" Bullnose (Guide)	40.78	7.33
23 35 16 16-0049	EA	5" Bullnose (Guide)	43.53	8.01
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware	283.01	75.65
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.16	
23 35 16 16-0052		**Automatic Exhaust Extraction System** *(23 35 16 16-0001)*		
		Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		
23 35 16 16-0053	EA	Magnatrack System For One Vehicle (30" To 40" Track)	41,845.95	
23 35 16 16-0054	EA	Magnatrack System For Two Vehicles (2 Each 30" Tracks)	60,444.15	
23 35 16 16-0055	EA	Magnatrack System For Tandem Vehicles (2 Each 30" Tracks)	60,444.15	
23 35 16 16-0056	EA	Magnarail System For One Vehicle (33" Rail)	49,595.20	
23 35 16 16-0057	EA	Magnarail System For Two Vehicles in Tandem (66" Rail)	74,392.80	
23 35 16 16-0058	EA	Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack)	38,746.25	
23 35 19		**Fume Exhaust Systems** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,814.49	533.26
23 35 19 00-0002	EA	Hose Extension Kit 5'	474.91	118.47
23 36		**Air Terminal Units** *(23 30)*		
23 36 13		**Constant-Air-Volume Units** *(23 36)*		
23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,950.92	172.66
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,348.07	185.95
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,505.39	192.59
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,675.98	205.86
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	3,019.65	212.50
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,654.58	172.66
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,977.48	185.95
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,360.91	195.90

23 36 13 00-0011 Duct Boxes, Constant Volume Control *(23 36 13)*

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,573.20	54.97
		For Boxes With Motor, Add	*271.25*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,741.16	59.31
		For Boxes With Motor, Add	*300.89*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,809.29	65.09
		For Boxes With Motor, Add	*309.78*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,842.37	67.99
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,870.43	75.22
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,139.04	83.90
		For Boxes With Motor, Add	*360.18*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,244.94	94.02
		For Boxes With Motor, Add	*373.52*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,383.86	112.83
		For Boxes With Motor, Add	*386.99*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,521.74	130.19
		For Boxes With Motor, Add	*400.20*	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,211.22	54.97
		For Boxes With Motor, Add	*398.85*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,365.59	59.31
		For Boxes With Motor, Add	*425.78*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,469.20	65.09
		For Boxes With Motor, Add	*441.77*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,572.61	67.99
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,600.67	75.22
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,988.73	85.34
		For Boxes With Motor, Add	*530.12*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,267.54	94.02
		For Boxes With Motor, Add	*578.08*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,520.23	112.83
		For Boxes With Motor, Add	*614.26*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,676.20	130.19
		For Boxes With Motor, Add	*631.09*	

23 36 16 Variable-Air-Volume Units *(23 36)*

23 36 16 00-0001 Variable Volume Terminal Unit *(23 36 16)*

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	688.08	66.54
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	770.07	75.22
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	857.34	83.90
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	915.34	94.02
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,262.27	202.36
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,525.18	240.12
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0009 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With pneumatic controls.

23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,433.50	66.54
		For Fan Powered Variable Air Volume Box, Add	*1,509.65*	
		For Hot Water Coils, Add	*474.68*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,550.47	75.22
		For Fan Powered Variable Air Volume Box, Add	*1,616.96*	
		For Hot Water Coils, Add	*507.41*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,624.28	83.90
		For Fan Powered Variable Air Volume Box, Add	*1,667.54*	
		For Hot Water Coils, Add	*521.60*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,695.73	94.02
		For Fan Powered Variable Air Volume Box, Add	*1,714.81*	
		For Hot Water Coils, Add	*534.69*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,970.01	202.36
		For Fan Powered Variable Air Volume Box, Add	*1,925.00*	
		For Hot Water Coils, Add	*595.80*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,292.12	240.12
		For Fan Powered Variable Air Volume Box, Add	*2,088.74*	
		For Hot Water Coils, Add	*636.18*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,361.90	66.54
		For Hot Water Coils, Add	*851.14*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,457.34	75.22
		For Hot Water Coils, Add	*875.15*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,544.61	83.90
		For Hot Water Coils, Add	*894.79*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,667.19	94.02
		For Hot Water Coils, Add	*928.62*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,944.16	202.36
		For Hot Water Coils, Add	*990.82*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,997.98	202.36
		For Hot Water Coils, Add	*1,012.64*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		**Dual Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,621.99	131.48
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,774.04	149.71
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,899.65	169.10
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	2,083.43	188.62
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,342.46	216.97
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,573.84	260.37
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0030		**Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)** *(23 36 16 00-0001)*		
23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	676.91	90.41
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	735.15	99.45
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	794.92	108.49
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	856.36	117.52
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	919.56	126.57
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	984.65	135.61
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,056.97	144.65
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,126.62	153.69
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,198.61	162.73
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,273.11	171.78
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,350.30	180.82
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,430.35	189.85
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,513.47	198.89
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,592.78	207.93
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,682.21	216.97
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	141.93	18.81
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*151.97*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	156.94	18.81
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	156.94	18.81
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	188.59	23.14
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	188.59	21.69
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	216.11	21.69
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*284.24*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	248.55	28.93
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*305.62*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	287.96	30.37
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*381.62*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	326.38	34.72
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*424.40*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	146.94	18.81
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*163.24*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	166.45	18.81
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	166.45	18.81
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	199.85	21.69
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	199.85	23.14
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	257.30	28.93
		For Steel Construction, Deduct	*-21.61*	
		For Flush Mount, Add	*21.61*	
		For Stainless Steel, Add	*324.20*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	230.78	28.93
		For Steel Construction, Deduct	*-17.64*	
		For Flush Mount, Add	*17.64*	
		For Stainless Steel, Add	*264.53*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	287.88	34.72
		For Steel Construction, Deduct	*-22.63*	
		For Flush Mount, Add	*22.63*	
		For Stainless Steel, Add	*339.39*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	332.11	39.05
		For Steel Construction, Deduct	*-28.14*	
		For Flush Mount, Add	*28.14*	
		For Stainless Steel, Add	*422.15*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	362.54	76.52
		For Steel Construction, Deduct	*-31.41*	
		For Flush Mount, Add	*31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*471.11*	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	236.77	18.81
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*365.36*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	245.10	18.81
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*384.10*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	277.14	23.14
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*421.56*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	297.96	21.69
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*468.41*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	424.74	26.04
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*721.33*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	447.82	27.49
		For Steel Construction, Deduct	*-101.80*	
		For Stainless Steel, Add	*763.49*	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	471.27	28.93
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	543.96	28.93
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*957.62*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	648.32	33.27
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	729.19	34.72
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,332.34*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	870.22	39.05
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,613.39*	

23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	249.26	18.81
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*393.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	270.77	18.81
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*441.86*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	307.21	23.14
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*489.22*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	331.27	23.14
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*543.35*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	478.87	26.04
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*843.12*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	411.24	27.49
		For Steel Construction, Deduct	*-40.04*	
		For Flush Mount, Deduct	*-20.02*	
		For Stainless Steel, Add	*900.88*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	539.28	28.93
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*958.66*	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	624.92	30.37
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,139.78*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	705.69	33.27
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,294.88*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	854.10	34.72
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,027.97	39.05
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*1,968.32*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,138.40	81.44
		For Stainless Steel, Add	*2,195.26*	

23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	191.86	21.69
		For Stainless Steel, Add	*236.41*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	206.15	21.69
		For Stainless Steel, Add	*268.56*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	223.72	21.69
		For Stainless Steel, Add	*308.09*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	240.84	21.69
		For Stainless Steel, Add	*346.61*	

23 37 13 13-0053 Drum Louver Diffusers, Drop Box *(23 37 13 13)*

23 37 13 13-0054 Drum Louver Diffusers, Four Way Drop Box *(23 37 13 13-0053)*

23 37 13 13-0055	EA	20" Square x 11-1/2" Depth, 16" Square Top Opening, 1,000 To 2,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 12" x 6" aluminum drum louvers and duct cap on bottom.	1,324.74	127.00
23 37 13 13-0056	EA	26" Square x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 18" x 6" aluminum drum louvers and duct cap on bottom.	1,440.59	145.67
23 37 13 13-0057	EA	32" Square x 11-1/2" Depth, 26" Square Top Opening, 2,400 To 4,400 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 24" x 6" aluminum drum louvers and duct cap on bottom.	1,650.52	177.06
23 37 13 13-0058	EA	30" Square x 15" Depth, 22" Square Top Opening, 3,400 To 6,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 20" x 10" aluminum drum louvers and duct cap on bottom.	1,748.42	198.17
23 37 13 13-0059	EA	35" Square x 15" Depth, 27" Square Top Opening, 4,000 To 7,600 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 25" x 10" aluminum drum louvers and duct cap on bottom.	1,865.15	215.23
23 37 13 13-0060	EA	40" Square x 15" Depth, 32" Square Top Opening, 5,000 To 9,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 10" aluminum drum louvers and duct cap on bottom.	2,236.05	241.42
23 37 13 13-0061	EA	40" Square x 17" Depth, 32" Square Top Opening, 6,000 To 11,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 12" aluminum drum louvers and duct cap on bottom.	2,529.13	267.75
23 37 13 13-0062	EA	47" Square x 17" Depth, 37" Square Top Opening, 7,000 To 13,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 12" aluminum drum louvers and duct cap on bottom.	2,973.60	324.31
23 37 13 13-0063	EA	47" Square x 20" Depth, 37" Square Top Opening, 8,700 To 16,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 15" aluminum drum louvers and duct cap on bottom.	3,102.64	325.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0064	EA	52" Square x 20" Depth, 42" Square Top Opening, 10,000 To 18,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 40" x 15" aluminum drum louvers and duct cap on bottom.	3,565.62	356.41
23 37 13 13-0065	EA	62" Square x 20" Depth, 50" Square Top Opening, 12,500 To 23,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 50" x 15" aluminum drum louvers and duct cap on bottom.	4,457.14	395.48
23 37 13 13-0066		**Drum Louver Diffusers, Six Way Drop Box** *(23 37 13 13-0053)*		
23 37 13 13-0067	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,000 To 2,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 9" x 6" aluminum drum louvers and duct cap on bottom.	2,094.43	161.28
23 37 13 13-0068	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 12" x 6" aluminum drum louvers and duct cap on bottom.	2,235.69	190.65
23 37 13 13-0069	EA	53.25" x 46.12" x 11" Depth, 24" Square Top Opening, 2,700 To 5,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 18" x 6" aluminum drum louvers and duct cap on bottom.	2,499.56	218.42
23 37 13 13-0070	EA	57.25" x 49.58" x 15" Depth, 28" Square Top Opening, 5,000 To 9,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 20" x 10" aluminum drum louvers and duct cap on bottom.	3,142.40	297.25
23 37 13 13-0071	EA	67.25" x 58.25" x 15" Depth, 33" Square Top Opening, 6,200 To 11,400 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 25" x 10" aluminum drum louvers and duct cap on bottom.	3,612.55	322.71
23 37 13 13-0072	EA	77.25" x 66.90" x 15" Depth, 38" Square Top Opening, 7,500 To 13,500 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 30" x 10" aluminum drum louvers and duct cap on bottom.	4,481.13	362.21
23 37 13 13-0073	EA	77.25" x 66.90" x 20" Depth, 38" Square Top Opening, 11,250 To 18,750 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 30" x 15" aluminum drum louvers and duct cap on bottom.	5,767.49	441.76
23 37 13 13-0074	EA	87.25" x 75.56" x 20" Depth, 40" Square Top Opening, 13,100 To 24,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 35" x 15" aluminum drum louvers and duct cap on bottom.	6,693.42	488.19
23 37 13 13-0075		**Wall And Floor Diffusers** *(23 37 13 13)*		
23 37 13 13-0076		**Slot Type Linear Diffusers** *(23 37 13 13-0075)* Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0077	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	65.08	7.23
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*41.64*	
23 37 13 13-0078	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	79.51	8.68
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*55.51*	
23 37 13 13-0079	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	110.49	10.13
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*87.43*	
23 37 13 13-0080	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	146.02	10.13
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*124.91*	
23 37 13 13-0081	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	183.09	11.58
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*162.38*	
23 37 13 13-0082	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	214.54	14.46
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*191.52*	
23 37 13 13-0083		**Linear Bar Grilles And Registers** *(23 37 13 13-0075)* Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0084	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	200.95	8.68
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*201.24*	
23 37 13 13-0085	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	240.02	10.13
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*242.87*	
23 37 13 13-0086	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	261.67	10.13
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*263.69*	
23 37 13 13-0087	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	320.94	14.46
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*319.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0088	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	443.85	18.81
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*444.11*	
23 37 13 13-0089	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	511.92	21.69
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*506.57*	

23 37 13 13-0090 Return/Exhaust Registers And Grilles *(23 37 13 13)*

23 37 13 13-0091 Return/Exhaust Registers With Frame *(23 37 13 13-0090)*

Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.

23 37 13 13-0092	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	137.99	11.58
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*209.48*	
23 37 13 13-0093	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	158.23	11.58
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*255.02*	
23 37 13 13-0094	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	177.56	13.01
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0095	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	186.03	14.46
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0096	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	177.94	14.46
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*264.13*	
23 37 13 13-0097	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	228.21	18.81
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*346.10*	
23 37 13 13-0098	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	273.44	21.69
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*413.24*	
23 37 13 13-0099	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	334.87	26.04
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*519.12*	
23 37 13 13-0100	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	392.61	28.93
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*628.65*	
23 37 13 13-0101	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	352.05	28.93
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*525.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0102	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	401.69	28.93
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*637.52*	
23 37 13 13-0103	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	423.87	33.27
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*660.78*	
23 37 13 13-0104	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	449.15	34.72
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*702.25*	
23 37 13 13-0105	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	517.45	39.05
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*819.65*	
23 37 13 13-0106	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	580.22	46.29
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*887.04*	
23 37 13 13-0107	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	751.62	46.29
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,272.69*	
23 37 13 13-0108	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	626.18	50.63
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*958.25*	
23 37 13 13-0109	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	609.90	49.18
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*921.62*	
23 37 13 13-0110	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	694.00	54.97
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,073.32*	
23 37 13 13-0111	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	938.76	59.31
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,579.64*	
23 37 13 13-0112	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	417.55	33.41
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*639.11*	
23 37 13 13-0113	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	719.17	50.07
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,167.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0114	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	832.97	59.31
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,339.67*	
23 37 13 13-0115		Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0090)*		
		Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0116	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	127.47	11.58
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0117	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	127.47	11.58
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0118	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	156.52	13.01
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*234.99*	
23 37 13 13-0119	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	179.56	15.91
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*267.77*	
23 37 13 13-0120	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	177.13	14.46
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*262.31*	
23 37 13 13-0121	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	229.83	18.81
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0122	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	370.70	23.14
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*632.07*	
23 37 13 13-0123	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	446.60	26.04
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*770.51*	
23 37 13 13-0124	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	504.24	28.93
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*879.82*	
23 37 13 13-0125	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	419.51	28.93
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*677.61*	
23 37 13 13-0126	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	565.24	30.37
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,005.50*	
23 37 13 13-0127	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	659.65	33.27
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,191.29*	
23 37 13 13-0128	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	506.21	34.72
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*830.63*	
23 37 13 13-0129	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	697.20	39.05
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,224.09*	
23 37 13 13-0130	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	839.31	46.29
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,469.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0131	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	961.96	46.29
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,745.96*	
23 37 13 13-0132	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	654.46	49.18
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,021.88*	
23 37 13 13-0133	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	887.62	49.18
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,546.49*	
23 37 13 13-0134	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,028.17	54.97
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*1,825.20*	
23 37 13 13-0135	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,202.12	59.31
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,172.20*	
23 37 13 13-0136	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,270.13	59.31
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,325.22*	

23 37 13 13-0137 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0090)*

23 37 13 13-0138	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.61	14.15
23 37 13 13-0139	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.61	14.15
23 37 13 13-0140	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	72.04	14.15
23 37 13 13-0141	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	74.22	14.15
23 37 13 13-0142	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	72.04	14.15
23 37 13 13-0143	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	74.22	14.15
23 37 13 13-0144	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.74	18.54
23 37 13 13-0145	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.92	18.54
23 37 13 13-0146	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.57	18.54
23 37 13 13-0147	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.92	18.54
23 37 13 13-0148	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	94.09	18.54
23 37 13 13-0149	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	96.27	18.54
23 37 13 13-0150	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.00	18.54
23 37 13 13-0151	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	97.35	18.54
23 37 13 13-0152	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	99.53	18.54
23 37 13 13-0153	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	109.31	18.54
23 37 13 13-0154	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	97.35	18.54
23 37 13 13-0155	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	104.96	18.54
23 37 13 13-0156	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	109.31	18.54
23 37 13 13-0157	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	141.43	27.34
23 37 13 13-0158	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	143.60	27.34
23 37 13 13-0159	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	139.25	27.34
23 37 13 13-0160	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	169.99	31.75
23 37 13 13-0161	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	137.08	27.34
23 37 13 13-0162	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	180.86	31.75
23 37 13 13-0163	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.18	18.54
23 37 13 13-0164	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	139.25	27.34
23 37 13 13-0165	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	202.90	36.16
23 37 13 13-0166	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	137.08	27.34
23 37 13 13-0167	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	141.43	27.34
23 37 13 13-0168	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	163.47	31.75
		For Lay-In Installation, Deduct	*-66.95*	
23 37 13 13-0169	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	169.99	31.75
23 37 13 13-0170	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	189.85	36.16
23 37 13 13-0171	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	196.38	36.16
23 37 13 13-0172	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	203.99	36.16
23 37 13 13-0173	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	218.12	36.16
		For Lay-In Installation, Deduct	*-76.63*	
23 37 13 13-0174	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	166.73	31.75
23 37 13 13-0175	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	266.84	39.62
23 37 13 13-0176	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	451.18	48.43
		For Lay-In Installation, Deduct	*-110.29*	

23 37 13 13-0177 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0178 Adjustable Curved Blade Register *(23 37 13 13-0177)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0179	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	115.60	11.58
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0180	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	119.76	11.58
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*168.62*	
23 37 13 13-0181	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	131.47	15.91
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0182	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	146.74	14.46
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*193.61*	
23 37 13 13-0183	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	176.46	18.81
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*231.08*	
23 37 13 13-0184	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	217.46	21.69
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0185	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	217.46	21.69
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0186	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	268.16	28.93
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0187	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	352.90	30.37
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*527.74*	
23 37 13 13-0188	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	573.03	61.33
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,013.31*	

23 37 13 13-0189 Removable-Reversible Core Registers *(23 37 13 13-0177)*
Note: Double deflection radiused frame aluminum construction.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0190	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	133.64	11.58
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*199.85*	
23 37 13 13-0191	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	169.73	11.58
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*281.05*	
23 37 13 13-0192	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	216.13	15.91
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0193	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	218.90	15.91
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*355.97*	
23 37 13 13-0194	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	279.16	18.81
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*462.15*	
23 37 13 13-0195	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	397.88	23.14
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*693.23*	
23 37 13 13-0196	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	447.84	21.69
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0197	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	540.18	28.93
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*961.79*	
23 37 13 13-0198	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	681.82	28.93
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,267.81*	

23 37 13 13-0199 Adjustable Shutter Blade Registers *(23 37 13 13-0177)*

Note: Double deflection flat frame aluminum construction.

23 37 13 13-0200	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	206.74	11.58
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*364.32*	
23 37 13 13-0201	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	239.12	11.58
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0202	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	254.99	15.91
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0203	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	264.24	14.46
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*457.99*	
23 37 13 13-0204	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	323.57	18.81
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*562.07*	
23 37 13 13-0205	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	432.12	21.69
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*770.27*	
23 37 13 13-0206	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	510.76	23.14
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*947.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0207	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	630.85	28.93
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0208	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	872.42	30.37
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,696.66*	
23 37 13 13-0209		**Air Conditioning And Ventilation** *(23 37 13 13-0177)*		
23 37 13 13-0210	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	113.52	30.37
		For Stainless Steel, Add	*118.87*	
23 37 13 13-0211	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	196.07	45.20
		For Stainless Steel, Add	*237.74*	
23 37 13 13-0212	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	302.66	63.28
		For Stainless Steel, Add	*396.20*	
23 37 13 13-0213	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	754.69	86.79
		For Stainless Steel, Add	*1,307.50*	
23 37 13 13-0214		**Square Wall Return Air And Exhaust Grilles** *(23 37 13 13-0177)*		
		Note: Egg crate design aluminum construction.		
23 37 13 13-0215	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	104.19	36.22
23 37 13 13-0216	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	113.96	36.22
23 37 13 13-0217	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	169.73	54.33
23 37 13 13-0218	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	218.57	54.33
23 37 13 13-0219	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	364.68	72.44
23 37 13 13-0220	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	659.72	72.32
23 37 13 13-0221		**Rectangular Four-Way Adjustable Deflection Wall Supply Grilles** *(23 37 13 13-0177)*		
		Note: Aluminum construction.		
23 37 13 13-0222	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	296.33	26.08
23 37 13 13-0223	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	337.96	26.08
23 37 13 13-0224	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	407.35	28.98
23 37 13 13-0225	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	481.33	28.98
23 37 13 13-0226	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	618.90	90.55
23 37 13 13-0227		**Square Ceiling Return Air And Exhaust Grilles** *(23 37 13 13-0177)*		
		Note: Egg crate design, plastic construction.		
23 37 13 13-0228	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	57.45	17.34
23 37 13 13-0229	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	82.73	17.48
23 37 13 13-0230		**Door Grilles Sight Proof Inverted Vee Cross Section** *(23 37 13 13-0177)*		
		Note: Painted steel louvers and frame.		
23 37 13 13-0231	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	165.92	26.08
23 37 13 13-0232	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	208.43	26.08
23 37 13 13-0233	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	259.32	27.53
23 37 13 13-0234	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	356.47	32.89
23 37 13 13-0235	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	395.92	60.41
23 37 13 13-0236		**Stainless Steel Devices** *(23 37 13 13-0177)*		
23 37 13 13-0237		**304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0238	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	246.35	22.60
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0239	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	208.27	22.60
		For 316 Stainless Steel, Add	*34.12*	
23 37 13 13-0240		**304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0241	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	187.17	22.60
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0242	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	159.48	22.60
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0243		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0244	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	272.82	22.60
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0245	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	232.85	22.60
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0246		**304 Stainless Steel Return Grilles** *(23 37 13 13-0236)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0247	SF	Up To 4 SF, 304 Stainless Steel Return Grille	187.17	22.60
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0248	SF	>4 SF, 304 Stainless Steel Return Grille	159.48	22.60
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0249		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0250	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	187.17	22.60
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0251	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	159.48	22.60
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0252		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0253	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	187.17	22.60
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0254	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	151.87	22.60
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0255		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0256	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	226.10	22.60
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0257	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	155.92	22.60
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0258		**304 Stainless Steel, Door Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0259	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	336.67	22.60
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0260	SF	>4 SF, 304 Stainless Steel, Door Grille	281.31	22.60
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0261		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0262	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	429.59	22.60
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0263	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	368.16	22.60
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0264		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0265	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	316.43	22.60
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0266	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	219.54	22.60
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0267		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0268	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	171.60	22.60
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0269	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	131.29	22.60
		For 316 Stainless Steel, Add	*18.72*	
23 37 13 13-0270		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0236)* Note: For frequent replacement.		
23 37 13 13-0271	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	134.22	22.60
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0272	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	72.45	22.60
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0273		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0236)*		
23 37 13 13-0274	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	311.76	22.60
		For 316 Stainless Steel, Add	*54.82*	
23 37 13 13-0275	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	244.45	22.60
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0276		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0277	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	110.86	22.60
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0278	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	110.86	22.60
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0279		**Supply Grille With Rotating Aluminum Drum And Aluminun Frame** *(23 37 13 13-0177)* Note: Titus DL or equal		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0280	EA	9" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	100.26	22.42
		For Adjustable Deflection Blades, Add	*3.60*	
		For Split Vane Supply Grille, Add	*5.41*	
		For Curved Frame For Round Duct Mounting, Add	*8.59*	
		For Stainless Steel, Add	*41.59*	
23 37 13 13-0281	EA	12" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	119.68	26.47
		For Adjustable Deflection Blades, Add	*4.34*	
		For Split Vane Supply Grille, Add	*6.51*	
		For Curved Frame For Round Duct Mounting, Add	*10.34*	
		For Stainless Steel, Add	*50.06*	
23 37 13 13-0282	EA	15" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	137.13	28.35
		For Adjustable Deflection Blades, Add	*5.22*	
		For Split Vane Supply Grille, Add	*7.83*	
		For Curved Frame For Round Duct Mounting, Add	*12.45*	
		For Stainless Steel, Add	*60.23*	
23 37 13 13-0283	EA	18" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	151.14	30.37
		For Adjustable Deflection Blades, Add	*5.88*	
		For Split Vane Supply Grille, Add	*8.82*	
		For Curved Frame For Round Duct Mounting, Add	*14.02*	
		For Stainless Steel, Add	*67.84*	
23 37 13 13-0284	EA	20" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	161.87	33.56
		For Adjustable Deflection Blades, Add	*6.15*	
		For Split Vane Supply Grille, Add	*9.23*	
		For Curved Frame For Round Duct Mounting, Add	*14.67*	
		For Stainless Steel, Add	*70.99*	
23 37 13 13-0285	EA	24" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	186.47	36.88
		For Adjustable Deflection Blades, Add	*7.33*	
		For Split Vane Supply Grille, Add	*10.99*	
		For Curved Frame For Round Duct Mounting, Add	*17.47*	
		For Stainless Steel, Add	*84.54*	
23 37 13 13-0286	EA	30" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	220.62	40.89
		For Adjustable Deflection Blades, Add	*9.02*	
		For Split Vane Supply Grille, Add	*13.54*	
		For Curved Frame For Round Duct Mounting, Add	*21.52*	
		For Stainless Steel, Add	*104.12*	
23 37 13 13-0287	EA	36" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	260.75	44.99
		For Adjustable Deflection Blades, Add	*11.11*	
		For Split Vane Supply Grille, Add	*16.67*	
		For Curved Frame For Round Duct Mounting, Add	*26.50*	
		For Stainless Steel, Add	*128.23*	
23 37 13 13-0288	EA	40" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	301.94	50.63
		For Adjustable Deflection Blades, Add	*13.05*	
		For Split Vane Supply Grille, Add	*19.57*	
		For Curved Frame For Round Duct Mounting, Add	*31.11*	
		For Stainless Steel, Add	*150.53*	
23 37 13 13-0289	EA	48" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	332.34	56.41
		For Adjustable Deflection Blades, Add	*14.28*	
		For Split Vane Supply Grille, Add	*21.41*	
		For Curved Frame For Round Duct Mounting, Add	*34.04*	
		For Stainless Steel, Add	*164.73*	
23 37 13 13-0290	EA	12" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	127.63	29.37
		For Adjustable Deflection Blades, Add	*4.48*	
		For Split Vane Supply Grille, Add	*6.72*	
		For Curved Frame For Round Duct Mounting, Add	*10.69*	
		For Stainless Steel, Add	*51.71*	
23 37 13 13-0291	EA	15" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	145.94	31.53
		For Adjustable Deflection Blades, Add	*5.39*	
		For Split Vane Supply Grille, Add	*8.09*	
		For Curved Frame For Round Duct Mounting, Add	*12.86*	
		For Stainless Steel, Add	*62.23*	
23 37 13 13-0292	EA	18" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	160.71	33.70
		For Adjustable Deflection Blades, Add	*6.07*	
		For Split Vane Supply Grille, Add	*9.11*	
		For Curved Frame For Round Duct Mounting, Add	*14.48*	
		For Stainless Steel, Add	*70.08*	
23 37 13 13-0293	EA	20" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	172.29	37.32
		For Adjustable Deflection Blades, Add	*6.36*	
		For Split Vane Supply Grille, Add	*9.53*	
		For Curved Frame For Round Duct Mounting, Add	*15.16*	
		For Stainless Steel, Add	*73.34*	
23 37 13 13-0294	EA	24" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	204.20	40.64
		For Adjustable Deflection Blades, Add	*8.00*	
		For Split Vane Supply Grille, Add	*12.00*	
		For Curved Frame For Round Duct Mounting, Add	*19.07*	
		For Stainless Steel, Add	*92.29*	
23 37 13 13-0295	EA	30" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	240.85	45.28
		For Adjustable Deflection Blades, Add	*9.76*	
		For Split Vane Supply Grille, Add	*14.64*	
		For Curved Frame For Round Duct Mounting, Add	*23.28*	
		For Stainless Steel, Add	*112.65*	
23 37 13 13-0296	EA	36" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	291.25	49.76
		For Adjustable Deflection Blades, Add	*12.46*	
		For Split Vane Supply Grille, Add	*18.70*	
		For Curved Frame For Round Duct Mounting, Add	*29.72*	
		For Stainless Steel, Add	*143.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0297	EA	40" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	345.49	56.12
		For Stainless Steel, Add	*524.90*	
		For Adjustable Deflection Blades, Add	*15.16*	
		For Split Vane Supply Grille, Add	*22.75*	
		For Curved Frame For Round Duct Mounting, Add	*36.16*	
		For Stainless Steel, Add	*174.97*	
23 37 13 13-0298	EA	48" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	371.23	62.49
		For Adjustable Deflection Blades, Add	*16.01*	
		For Split Vane Supply Grille, Add	*24.02*	
		For Curved Frame For Round Duct Mounting, Add	*38.18*	
		For Stainless Steel, Add	*184.74*	
23 37 13 13-0299	EA	12" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	138.41	32.55
		For Adjustable Deflection Blades, Add	*4.77*	
		For Split Vane Supply Grille, Add	*7.15*	
		For Curved Frame For Round Duct Mounting, Add	*11.37*	
		For Stainless Steel, Add	*55.04*	
23 37 13 13-0300	EA	15" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	158.10	34.86
		For Adjustable Deflection Blades, Add	*5.74*	
		For Split Vane Supply Grille, Add	*8.61*	
		For Curved Frame For Round Duct Mounting, Add	*13.69*	
		For Stainless Steel, Add	*66.23*	
23 37 13 13-0301	EA	18" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	174.01	37.32
		For Adjustable Deflection Blades, Add	*6.46*	
		For Split Vane Supply Grille, Add	*9.70*	
		For Curved Frame For Round Duct Mounting, Add	*15.41*	
		For Stainless Steel, Add	*74.59*	
23 37 13 13-0302	EA	20" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	186.64	41.23
		For Adjustable Deflection Blades, Add	*6.77*	
		For Split Vane Supply Grille, Add	*10.15*	
		For Curved Frame For Round Duct Mounting, Add	*16.13*	
		For Stainless Steel, Add	*78.06*	
23 37 13 13-0303	EA	25" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	220.62	44.84
		For Adjustable Deflection Blades, Add	*8.51*	
		For Split Vane Supply Grille, Add	*12.77*	
		For Curved Frame For Round Duct Mounting, Add	*20.30*	
		For Stainless Steel, Add	*98.23*	
23 37 13 13-0304	EA	30" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	260.48	50.34
		For Adjustable Deflection Blades, Add	*10.39*	
		For Split Vane Supply Grille, Add	*15.59*	
		For Curved Frame For Round Duct Mounting, Add	*24.78*	
		For Stainless Steel, Add	*119.90*	
23 37 13 13-0305	EA	35" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	312.72	55.26
		For Adjustable Deflection Blades, Add	*13.15*	
		For Split Vane Supply Grille, Add	*19.72*	
		For Curved Frame For Round Duct Mounting, Add	*31.35*	
		For Stainless Steel, Add	*151.70*	
23 37 13 13-0306	EA	40" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	358.34	62.35
		For Adjustable Deflection Blades, Add	*15.20*	
		For Split Vane Supply Grille, Add	*22.80*	
		For Curved Frame For Round Duct Mounting, Add	*36.24*	
		For Stainless Steel, Add	*175.35*	
23 37 13 13-0307	EA	50" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	398.28	69.29
		For Adjustable Deflection Blades, Add	*16.89*	
		For Split Vane Supply Grille, Add	*25.34*	
		For Curved Frame For Round Duct Mounting, Add	*40.28*	
		For Stainless Steel, Add	*194.89*	
23 37 13 13-0308	EA	12" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	154.51	35.15
		For Adjustable Deflection Blades, Add	*5.47*	
		For Split Vane Supply Grille, Add	*8.20*	
		For Curved Frame For Round Duct Mounting, Add	*13.03*	
		For Stainless Steel, Add	*63.06*	
23 37 13 13-0309	EA	15" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	176.76	37.76
		For Adjustable Deflection Blades, Add	*6.58*	
		For Split Vane Supply Grille, Add	*9.87*	
		For Curved Frame For Round Duct Mounting, Add	*15.68*	
		For Stainless Steel, Add	*75.89*	
23 37 13 13-0310	EA	18" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	194.69	40.36
		For Adjustable Deflection Blades, Add	*7.41*	
		For Split Vane Supply Grille, Add	*11.11*	
		For Curved Frame For Round Duct Mounting, Add	*17.66*	
		For Stainless Steel, Add	*85.47*	
23 37 13 13-0311	EA	20" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	208.67	44.70
		For Adjustable Deflection Blades, Add	*7.75*	
		For Split Vane Supply Grille, Add	*11.63*	
		For Curved Frame For Round Duct Mounting, Add	*18.48*	
		For Stainless Steel, Add	*89.44*	
23 37 13 13-0312	EA	25" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	250.55	50.20
		For Adjustable Deflection Blades, Add	*9.75*	
		For Split Vane Supply Grille, Add	*14.63*	
		For Curved Frame For Round Duct Mounting, Add	*23.26*	
		For Stainless Steel, Add	*112.55*	
23 37 13 13-0313	EA	30" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	290.46	55.83
		For Adjustable Deflection Blades, Add	*11.63*	
		For Split Vane Supply Grille, Add	*17.44*	
		For Curved Frame For Round Duct Mounting, Add	*27.73*	
		For Stainless Steel, Add	*134.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0314	EA	35" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	338.95	61.62
		For Adjustable Deflection Blades, Add	*14.01*	
		For Split Vane Supply Grille, Add	*21.02*	
		For Curved Frame For Round Duct Mounting, Add	*33.42*	
		For Stainless Steel, Add	*161.70*	
23 37 13 13-0315	EA	40" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	384.30	67.55
		For Adjustable Deflection Blades, Add	*16.20*	
		For Split Vane Supply Grille, Add	*24.29*	
		For Curved Frame For Round Duct Mounting, Add	*38.62*	
		For Stainless Steel, Add	*186.87*	
23 37 13 13-0316	EA	50" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	426.84	74.93
		For Adjustable Deflection Blades, Add	*18.00*	
		For Split Vane Supply Grille, Add	*27.00*	
		For Curved Frame For Round Duct Mounting, Add	*42.92*	
		For Stainless Steel, Add	*207.69*	
23 37 13 13-0317	EA	60" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	486.60	85.49
		For Adjustable Deflection Blades, Add	*20.52*	
		For Split Vane Supply Grille, Add	*30.78*	
		For Curved Frame For Round Duct Mounting, Add	*48.93*	
		For Stainless Steel, Add	*236.78*	
23 37 13 13-0318	EA	15" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	200.60	42.52
		For Adjustable Deflection Blades, Add	*7.52*	
		For Split Vane Supply Grille, Add	*11.28*	
		For Curved Frame For Round Duct Mounting, Add	*17.93*	
		For Stainless Steel, Add	*86.75*	
23 37 13 13-0319	EA	18" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	220.97	45.42
		For Adjustable Deflection Blades, Add	*8.47*	
		For Split Vane Supply Grille, Add	*12.70*	
		For Curved Frame For Round Duct Mounting, Add	*20.19*	
		For Stainless Steel, Add	*97.69*	
23 37 13 13-0320	EA	20" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	236.80	50.20
		For Adjustable Deflection Blades, Add	*8.86*	
		For Split Vane Supply Grille, Add	*13.29*	
		For Curved Frame For Round Duct Mounting, Add	*21.13*	
		For Stainless Steel, Add	*102.23*	
23 37 13 13-0321	EA	25" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	282.87	55.69
		For Adjustable Deflection Blades, Add	*11.15*	
		For Split Vane Supply Grille, Add	*16.72*	
		For Curved Frame For Round Duct Mounting, Add	*26.59*	
		For Stainless Steel, Add	*128.64*	
23 37 13 13-0322	EA	30" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	327.20	61.33
		For Adjustable Deflection Blades, Add	*13.29*	
		For Split Vane Supply Grille, Add	*19.94*	
		For Curved Frame For Round Duct Mounting, Add	*31.70*	
		For Stainless Steel, Add	*153.38*	
23 37 13 13-0323	EA	35" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	382.04	67.84
		For Adjustable Deflection Blades, Add	*16.02*	
		For Split Vane Supply Grille, Add	*24.03*	
		For Curved Frame For Round Duct Mounting, Add	*38.20*	
		For Stainless Steel, Add	*184.82*	
23 37 13 13-0324	EA	40" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	433.30	74.21
		For Adjustable Deflection Blades, Add	*18.51*	
		For Split Vane Supply Grille, Add	*27.77*	
		For Curved Frame For Round Duct Mounting, Add	*44.14*	
		For Stainless Steel, Add	*213.59*	
23 37 13 13-0325	EA	50" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	481.31	82.45
		For Adjustable Deflection Blades, Add	*20.58*	
		For Split Vane Supply Grille, Add	*30.86*	
		For Curved Frame For Round Duct Mounting, Add	*49.06*	
		For Stainless Steel, Add	*237.41*	
23 37 13 13-0326	EA	60" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	548.68	93.88
		For Adjustable Deflection Blades, Add	*23.46*	
		For Split Vane Supply Grille, Add	*35.18*	
		For Curved Frame For Round Duct Mounting, Add	*55.93*	
		For Stainless Steel, Add	*270.64*	

23 37 13 13-0327 Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*

Note: Includes storage and cleaning. Excludes ductwork.

23 37 13 13-0328	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	271.22
23 37 13 13-0329	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	299.14
23 37 13 13-0330	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	44.83
23 37 13 13-0331	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	60.72

23 37 13 43 Security Registers and Grilles *(23 37 13)*

23 37 13 43-0001 Security Supply Or Return Grille *(23 37 13 43)*

Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0002	EA	8" x 4" Steel Security Grille	249.82	21.73
		For Anchoring Tabs, Add	*20.64*	
		For Rear Operated Opposed Blade Damper, Add	*76.57*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*51.59*	
		For Stainless Steel, Add	*257.94*	
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	276.28	22.45
		For Anchoring Tabs, Add	*23.14*	
		For Rear Operated Opposed Blade Damper, Add	*85.47*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*57.84*	
		For Stainless Steel, Add	*289.20*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	316.46	25.36
		For Anchoring Tabs, Add	*26.58*	
		For Rear Operated Opposed Blade Damper, Add	*98.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*66.44*	
		For Stainless Steel, Add	*332.19*	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	277.49	24.62
		For Anchoring Tabs, Add	*22.82*	
		For Rear Operated Opposed Blade Damper, Add	*84.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*57.06*	
		For Stainless Steel, Add	*285.29*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	296.03	26.08
		For Anchoring Tabs, Add	*24.39*	
		For Rear Operated Opposed Blade Damper, Add	*90.57*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*60.97*	
		For Stainless Steel, Add	*304.84*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	337.88	28.25
		For Anchoring Tabs, Add	*28.14*	
		For Rear Operated Opposed Blade Damper, Add	*104.13*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*70.35*	
		For Stainless Steel, Add	*351.73*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	376.62	30.43
		For Anchoring Tabs, Add	*31.58*	
		For Rear Operated Opposed Blade Damper, Add	*116.61*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*78.95*	
		For Stainless Steel, Add	*394.73*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	292.66	27.53
		For Anchoring Tabs, Add	*23.76*	
		For Rear Operated Opposed Blade Damper, Add	*88.67*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*59.40*	
		For Stainless Steel, Add	*297.01*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	326.59	30.43
		For Anchoring Tabs, Add	*26.58*	
		For Rear Operated Opposed Blade Damper, Add	*99.10*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*66.44*	
		For Stainless Steel, Add	*332.19*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	371.60	32.60
		For Anchoring Tabs, Add	*30.64*	
		For Rear Operated Opposed Blade Damper, Add	*113.76*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*76.60*	
		For Stainless Steel, Add	*383.00*	
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	404.07	34.77
		For Anchoring Tabs, Add	*33.45*	
		For Rear Operated Opposed Blade Damper, Add	*124.04*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*83.63*	
		For Stainless Steel, Add	*418.16*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	445.93	36.94
		For Anchoring Tabs, Add	*37.21*	
		For Rear Operated Opposed Blade Damper, Add	*137.61*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*93.01*	
		For Stainless Steel, Add	*465.06*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	312.65	29.70
		For Anchoring Tabs, Add	*25.33*	
		For Rear Operated Opposed Blade Damper, Add	*94.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*63.31*	
		For Stainless Steel, Add	*316.56*	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	351.39	31.87
		For Anchoring Tabs, Add	*28.76*	
		For Rear Operated Opposed Blade Damper, Add	*107.05*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*71.91*	
		For Stainless Steel, Add	*359.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	391.57	34.77
		For Anchoring Tabs, Add	*32.20*	
		For Rear Operated Opposed Blade Damper, Add	*119.66*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*80.51*	
		For Stainless Steel, Add	*402.54*	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	441.13	37.67
		For Anchoring Tabs, Add	*36.58*	
		For Rear Operated Opposed Blade Damper, Add	*135.56*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*91.45*	
		For Stainless Steel, Add	*457.25*	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	485.90	41.29
		For Anchoring Tabs, Add	*40.33*	
		For Rear Operated Opposed Blade Damper, Add	*149.42*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*100.83*	
		For Stainless Steel, Add	*504.15*	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	522.95	44.19
		For Anchoring Tabs, Add	*43.46*	
		For Rear Operated Opposed Blade Damper, Add	*160.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*108.65*	
		For Stainless Steel, Add	*543.23*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	375.94	34.77
		For Anchoring Tabs, Add	*30.64*	
		For Rear Operated Opposed Blade Damper, Add	*114.19*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*76.60*	
		For Stainless Steel, Add	*383.00*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	428.62	37.67
		For Anchoring Tabs, Add	*35.33*	
		For Rear Operated Opposed Blade Damper, Add	*131.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*88.32*	
		For Stainless Steel, Add	*441.61*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	462.55	40.56
		For Anchoring Tabs, Add	*38.14*	
		For Rear Operated Opposed Blade Damper, Add	*141.61*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*95.36*	
		For Stainless Steel, Add	*476.79*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	520.06	42.74
		For Anchoring Tabs, Add	*43.46*	
		For Rear Operated Opposed Blade Damper, Add	*160.65*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*108.65*	
		For Stainless Steel, Add	*543.23*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	550.86	45.64
		For Anchoring Tabs, Add	*45.96*	
		For Rear Operated Opposed Blade Damper, Add	*169.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*114.90*	
		For Stainless Steel, Add	*574.49*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	597.30	48.54
		For Anchoring Tabs, Add	*50.02*	
		For Rear Operated Opposed Blade Damper, Add	*184.79*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*125.06*	
		For Stainless Steel, Add	*625.30*	
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	400.26	39.11
		For Anchoring Tabs, Add	*32.20*	
		For Rear Operated Opposed Blade Damper, Add	*120.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*80.51*	
		For Stainless Steel, Add	*402.54*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	456.08	42.02
		For Anchoring Tabs, Add	*37.21*	
		For Rear Operated Opposed Blade Damper, Add	*138.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*93.01*	
		For Stainless Steel, Add	*465.06*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	499.39	44.92
		For Anchoring Tabs, Add	*40.96*	
		For Rear Operated Opposed Blade Damper, Add	*152.33*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*102.39*	
		For Stainless Steel, Add	*511.96*	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	548.95	47.81
		For Anchoring Tabs, Add	*45.33*	
		For Rear Operated Opposed Blade Damper, Add	*168.23*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*113.34*	
		For Stainless Steel, Add	*566.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	585.04	47.09
		For Anchoring Tabs, Add	*49.09*	
		For Rear Operated Opposed Blade Damper, Add	*181.22*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*122.72*	
		For Stainless Steel, Add	*613.58*	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	639.40	49.26
		For Anchoring Tabs, Add	*54.09*	
		For Rear Operated Opposed Blade Damper, Add	*199.16*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*135.22*	
		For Stainless Steel, Add	*676.10*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	684.39	51.43
		For Anchoring Tabs, Add	*58.15*	
		For Rear Operated Opposed Blade Damper, Add	*213.82*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*145.38*	
		For Stainless Steel, Add	*726.91*	
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	429.39	42.74
		For Anchoring Tabs, Add	*34.39*	
		For Rear Operated Opposed Blade Damper, Add	*128.92*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*85.98*	
		For Stainless Steel, Add	*429.89*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	484.99	47.09
		For Anchoring Tabs, Add	*39.08*	
		For Rear Operated Opposed Blade Damper, Add	*146.20*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*97.70*	
		For Stainless Steel, Add	*488.51*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	533.10	49.26
		For Anchoring Tabs, Add	*43.46*	
		For Rear Operated Opposed Blade Damper, Add	*161.96*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*108.65*	
		For Stainless Steel, Add	*543.23*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	585.79	52.16
		For Anchoring Tabs, Add	*48.15*	
		For Rear Operated Opposed Blade Damper, Add	*178.95*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*120.37*	
		For Stainless Steel, Add	*601.85*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	643.28	54.33
		For Anchoring Tabs, Add	*53.46*	
		For Rear Operated Opposed Blade Damper, Add	*197.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*133.66*	
		For Stainless Steel, Add	*668.29*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	694.53	56.50
		For Anchoring Tabs, Add	*58.15*	
		For Rear Operated Opposed Blade Damper, Add	*214.84*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*145.38*	
		For Stainless Steel, Add	*726.91*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	742.64	58.68
		For Anchoring Tabs, Add	*62.53*	
		For Rear Operated Opposed Blade Damper, Add	*230.59*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*156.33*	
		For Stainless Steel, Add	*781.63*	
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	800.14	60.85
		For Anchoring Tabs, Add	*67.85*	
		For Rear Operated Opposed Blade Damper, Add	*249.63*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*169.61*	
		For Stainless Steel, Add	*848.06*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	477.04	47.81
		For Anchoring Tabs, Add	*38.14*	
		For Rear Operated Opposed Blade Damper, Add	*143.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*95.36*	
		For Stainless Steel, Add	*476.79*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	538.88	52.16
		For Anchoring Tabs, Add	*43.46*	
		For Rear Operated Opposed Blade Damper, Add	*162.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*108.65*	
		For Stainless Steel, Add	*543.23*	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	588.68	53.60
		For Anchoring Tabs, Add	*48.15*	
		For Rear Operated Opposed Blade Damper, Add	*179.24*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*120.37*	
		For Stainless Steel, Add	*601.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	659.67	59.41
		For Anchoring Tabs, Add	*54.09*	
		For Rear Operated Opposed Blade Damper, Add	*201.19*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*135.22*	
		For Stainless Steel, Add	*676.10*	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	710.91	61.58
		For Anchoring Tabs, Add	*58.78*	
		For Rear Operated Opposed Blade Damper, Add	*218.04*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*146.95*	
		For Stainless Steel, Add	*734.73*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	774.65	63.75
		For Anchoring Tabs, Add	*64.72*	
		For Rear Operated Opposed Blade Damper, Add	*239.26*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*161.80*	
		For Stainless Steel, Add	*808.98*	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	847.78	65.92
		For Anchoring Tabs, Add	*71.60*	
		For Rear Operated Opposed Blade Damper, Add	*263.77*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*178.99*	
		For Stainless Steel, Add	*894.96*	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	899.02	68.09
		For Anchoring Tabs, Add	*76.29*	
		For Rear Operated Opposed Blade Damper, Add	*280.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*190.72*	
		For Stainless Steel, Add	*953.58*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,007.75	72.44
		For Anchoring Tabs, Add	*86.29*	
		For Rear Operated Opposed Blade Damper, Add	*316.50*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*215.73*	
		For Stainless Steel, Add	*1,078.64*	

23 37 13 43-0050 Security Registers And Grilles *(23 37 13 43)*

23 37 13 43-0051 Maximum Security Steel Supply / Return Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0052	EA	6" x 6" Maximum Security Supply/ Return Register	268.31	16.20
23 37 13 43-0053	EA	9" x 9" Maximum Security Supply/ Return Register	388.95	19.27
23 37 13 43-0054	EA	12" x 6" Maximum Security Supply/ Return Register	362.00	20.23
23 37 13 43-0055	EA	12" x 8" Maximum Security Supply/ Return Register	418.62	23.35
23 37 13 43-0056	EA	10" x 10" Maximum Security Supply/ Return Register	393.00	20.23
23 37 13 43-0057	EA	14" x 12" Maximum Security Supply/ Return Register	545.34	28.46
23 37 13 43-0058	EA	14" x 14" Maximum Security Supply/ Return Register	617.46	30.66
23 37 13 43-0059	EA	18" x 18" Maximum Security Supply/ Return Register	827.74	36.43
23 37 13 43-0060	EA	24" x 24" Maximum Security Supply/ Return Registers	1,189.66	46.57

23 37 13 43-0061 Staff Security Steel Supply Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0062	EA	6" x 6" Staff Security Supply Register	200.12	16.20
23 37 13 43-0063	EA	9" x 9" Staff Security Supply Register	258.76	19.27
23 37 13 43-0064	EA	12" x 12" Staff Security Supply Register	326.46	26.30
23 37 13 43-0065	EA	15" x 15" Staff Security Supply Register	466.53	30.36
23 37 13 43-0066	EA	21" x 21" Staff Security Supply Register	666.31	40.50
23 37 13 43-0067	EA	24" x 24" Staff Security Supply Register	802.20	46.57

23 37 13 43-0068 Staff Security Steel Return Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0069	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	256.86	17.52
23 37 13 43-0070	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	231.11	16.20
23 37 13 43-0071	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	280.59	18.24
23 37 13 43-0072	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	285.58	19.70
23 37 13 43-0073	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	356.62	23.35
23 37 13 43-0074	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	375.22	23.35
23 37 13 43-0075	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	418.50	24.23
23 37 13 43-0076	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	419.45	26.30
23 37 13 43-0077	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	549.39	29.49
23 37 13 43-0078	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	467.85	28.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0079	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	586.47	30.36
23 37 13 43-0080	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	539.97	30.07
23 37 13 43-0081		Maximum Security Steel Grills *(23 37 13 43-0050)* Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0082	EA	10" x 4" Maximum Security Grill	219.67	17.52
23 37 13 43-0083	EA	6" x 6" Maximum Security Grill	200.12	16.20
23 37 13 43-0084	EA	10" x 6" Maximum Security Grill	237.19	18.24
23 37 13 43-0085	EA	12" x 5" Maximum Security Grill	245.28	19.70
23 37 13 43-0086	EA	12" x 8" Maximum Security Grill	291.53	23.35
23 37 13 43-0087	EA	16" x 8" Maximum Security Grill	337.91	24.23
23 37 13 43-0088	EA	12" x 12" Maximum Security Grill	338.86	26.30
23 37 13 43-0089	EA	14" x 12" Maximum Security Grill	368.66	28.46
23 37 13 43-0090	EA	30" x 6" Maximum Security Grill	456.40	29.49
23 37 13 43-0091	EA	28" x 8" Maximum Security Grill	481.08	30.36
23 37 13 43-0092	EA	18" x 12" Maximum Security Grill	437.68	30.07
23 37 23		**HVAC Gravity Ventilators** *(23 37)*		
23 37 23 13		**HVAC Gravity Dome Ventilators** *(23 37 23)*		
23 37 23 13-0001		Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)* Note: Includes flange base and bird screen. Excludes curb.		
23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,363.17	83.90
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,439.15	96.05
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,799.52	119.49
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,916.81	127.15
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,238.13	147.98
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,608.14	95.47
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,767.84	107.62
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,055.12	115.72
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,231.66	140.25
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,572.89	150.43
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,913.84	159.70
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,923.07	108.92
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,191.45	124.11
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,459.83	139.30
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,772.81	157.09
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,130.69	177.34
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,325.53	131.78
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,415.03	136.83
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,683.38	152.03
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,041.12	172.28
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,398.85	192.53
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,890.84	220.44
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,311.89	129.89
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,690.14	151.16
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,068.53	172.42
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,488.83	196.00
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,867.12	217.27
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,426.38	144.08
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,744.52	163.03
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,062.79	181.82
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,540.13	210.18
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,898.07	231.44
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,057.64	193.69
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,393.18	214.95
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,877.98	245.62
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,250.85	269.19
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,661.01	295.23
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,679.72	220.44
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,054.51	242.86
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,463.48	267.31
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,872.31	291.90
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,928.49	355.12
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,337.46	379.57
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,242.23	273.53
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,653.71	300.00
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,571.80	359.17
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,204.90	399.95
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,584.90	424.54
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,091.37	457.09
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,977.84	514.23
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,062.69	306.23
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,285.64	380.14
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,167.40	433.52
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,423.30	449.00
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,276.58	500.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,101.36	550.40
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,681.81	442.06
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,227.91	478.21
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,773.85	514.38
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,631.82	571.08
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,141.65	578.60
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,757.17	498.32
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,701.28	558.93
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,441.35	606.52
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,053.62	645.86
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,668.85	620.41
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,153.06	661.34
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,883.75	712.11
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,146.72	715.44
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,865.39	836.66
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	12,239.10	771.41

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 13-0001 Universal Ventless Hood *(23 38 13 13)*

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	54,469.71	563.50

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System *(23 38 13 16)*

Note: Excludes fire suppression. See CSI section 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	13,021.37	1,057.22
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,565.98	1,123.30
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	15,127.63	1,189.37
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,587.68	1,255.46
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	16,147.21	1,321.53
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,738.35	1,387.60
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	17,298.65	1,453.68
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,876.02	1,519.75
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	18,518.11	1,585.84
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,075.09	1,651.91
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	19,536.44	1,717.99
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	20,312.25	1,784.06
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	22,723.03	1,850.14
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,336.09	1,916.22
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	24,167.92	1,982.30
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	24,794.67	2,048.37
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	25,730.61	2,114.44

23 38 13 16-0020 Dry Extractor Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	18,212.75	1,057.22
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,790.22	1,123.30
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	20,450.43	1,189.37
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,041.92	1,255.46
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	21,634.30	1,321.53
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,192.58	1,387.60
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	22,785.74	1,453.68
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,346.68	1,519.75
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	23,873.78	1,585.84
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	24,627.90	1,651.91
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	25,499.95	1,717.99
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	26,423.62	1,784.06
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	28,357.97	1,850.14
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	29,299.61	1,916.22
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	31,133.57	1,982.30
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	32,992.44	2,048.37
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	34,831.95	2,114.44

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,527.02	1,057.22
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	20,137.35	1,123.30
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,830.42	1,189.37
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,438.33	1,255.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,080.00	1,321.53
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,671.14	1,387.60
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,280.72	1,453.68
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,890.96	1,519.75
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,434.48	1,585.84
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,254.31	1,651.91
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,192.08	1,717.99
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	28,181.46	1,784.06
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,181.53	1,850.14
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	31,188.87	1,916.22
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,203.55	1,982.30
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,208.15	2,048.37
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	35,209.80	2,114.44
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	13,998.47	528.62

23 38 13 16-0057 Utility Distribution System (UDS) *(23 38 13 16-0001)*

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	37,079.34	537.60
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	38,173.47	550.68
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	39,255.66	563.50
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	40,348.29	581.48
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	41,433.47	595.74
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	42,508.61	610.81
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	43,597.56	621.25
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	44,686.83	637.64
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	45,789.79	660.76
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	46,909.30	692.22
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	48,006.59	712.57
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	49,121.35	741.64
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	50,224.77	765.04
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	51,331.24	790.01
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	52,441.09	816.70
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	53,554.64	845.12
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	54,651.48	865.34

23 38 13 16-0075 Stainless Steel Exhaust Hood Material *(23 38 13 16)*

Note: Welded seams.

23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	54.43	18.31
		For Type 316 Stainless Steel, Add	*1.65*	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	68.04	24.41
		For Type 316 Stainless Steel, Add	*2.06*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	94.50	32.95
		For Type 316 Stainless Steel, Add	*2.88*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	118.37	40.27
		For Type 316 Stainless Steel, Add	*3.70*	

23 38 13 16-0080 Kitchen Exhaust Hood *(23 38 13 16)*

23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048) Note: Ductwork connections by others.	11,597.13	2,668.26
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848) Note: Ductwork connections by others.	10,529.82	2,134.61
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448) Note: Ductwork connections by others.	5,701.95	1,067.31
		For Type 316 Stainless Steel, Add	*356.73*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648) Note: Ductwork connections by others.	7,380.61	1,600.96
		For Type 316 Stainless Steel, Add	*417.87*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) Note: Ductwork connections by others.	6,632.15	1,334.13
		For Type 316 Stainless Steel, Add	*396.39*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	14.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0003		Disposable Fiberglass Air Filters *(23 41 13)*		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.06	6.96
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.06	6.96
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.76	6.96
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.71	7.28
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.71	7.28
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.71	7.28
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.71	7.28
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.95	7.28
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.54	7.60
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.52	7.60
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.84	7.60
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.84	7.60
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.84	7.60
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.48	7.60
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.49	7.60
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.70	8.04
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.22	8.04
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.73	8.04
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.70	8.04
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.73	8.04
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.61	8.04
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.94	8.26
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.94	8.26
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.34	8.26
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.11	8.37
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.75	8.37
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.16	8.37
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.13	8.37
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.53	8.37
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.49	8.37
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	24.15	8.37
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.86	8.37
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.57	8.70
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.19	8.70
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.57	8.70
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.85	8.70
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.70	8.70
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.82	8.70
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.50	9.13
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.54	9.13
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.87	9.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.09	9.13
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.67	9.13
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	25.17	9.13
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.80	9.13
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.86	9.24
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.02	9.34
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.17	9.45
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.82	9.45
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	27.39	9.45
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.31	9.56
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	27.92	9.56
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.70	7.28
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.61	7.28
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.09	7.60
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.66	8.04
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.66	8.04
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.06	8.26
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.97	8.37
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.80	8.37
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.20	8.37
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.35	8.70
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.04	9.13
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.76	9.13
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.76	9.13
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.49	9.45
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.63	9.56

23 41 13 00-0071 Disposable Pleated Air Filters *(23 41 13)*

23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	15.82	7.28
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.05	7.28
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.75	7.28
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	20.17	7.60
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.82	7.60
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	18.61	7.60
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.61	7.60
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.20	7.60
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	22.74	8.04
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.39	8.04
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	24.45	8.04
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.01	8.04
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.24	8.04
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.81	8.26
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	23.17	8.37
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.54	8.37
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.59	8.37
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.23	8.37
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.67	8.37
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	30.64	8.70
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	22.99	8.70
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.61	8.70
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.35	8.70
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	30.82	8.70
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	21.36	9.13
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.75	9.13
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.51	9.13
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	25.28	9.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	30.49	9.34
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	24.19	9.45
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	37.31	9.45
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	25.54	9.56
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.51	7.28
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	23.92	7.60
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.41	7.60
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	19.13	7.60
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.22	8.04
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.06	8.04
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.51	8.26
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	25.51	8.37
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.13	8.37
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.80	8.37
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.21	8.37
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	29.32	8.70
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	25.19	8.70
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.99	8.70
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	23.83	8.70
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	22.44	9.13
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.96	9.13
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	23.70	9.13
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	33.66	9.13
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	25.37	9.45
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	27.91	9.56
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	28.78	7.60
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	31.11	8.37
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	33.18	8.37
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.75	8.70
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	34.09	9.13
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	36.99	9.13
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	37.26	9.13
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	40.61	9.45
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.22	7.28
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.22	7.28
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	33.71	7.28
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	27.79	7.60
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.11	7.60
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	27.00	7.60
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.17	7.60
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	31.48	8.04
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.85	8.04
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.65	8.04
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	34.90	8.04
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	40.78	8.04
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.81	8.26
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	37.53	8.37
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.13	8.37
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.08	8.37
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	29.57	8.37
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.69	8.37
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	39.61	8.70
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	33.79	8.70
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.58	8.70
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.52	8.70
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	44.61	8.70
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	30.77	9.13
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.64	9.13
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.95	9.13
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.30	9.13
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	43.40	9.34
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	36.79	9.45
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	47.28	9.45
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	41.24	9.56
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.66	7.28
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	28.08	7.60
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.75	7.60
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.22	7.60
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.16	8.04
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	29.45	8.04
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.93	8.26
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	38.28	8.37
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.49	8.37
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	32.68	8.37
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	36.84	8.37
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	43.98	8.70
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	35.15	8.70
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.93	8.70
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	34.77	8.70
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	38.48	9.13
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	41.14	9.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.53	9.13
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	41.58	9.45
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	42.11	9.56
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	50.02	7.60
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	51.31	8.37
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	60.85	8.37
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	60.83	8.70
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	60.67	9.13
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	66.66	9.13
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	66.66	9.13
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	74.29	9.45
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.08	6.96
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.08	6.96
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.08	6.96
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.51	7.28
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.11	7.28
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.51	7.28
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.51	7.28
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.51	7.28
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.56	7.60
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.96	7.60
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.56	7.60
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.56	7.60
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.96	7.60
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.96	7.60
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.36	7.60
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.13	8.04
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.53	8.04
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.13	8.04
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.13	8.04
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.13	8.04
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.53	8.04
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.42	8.26
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.82	8.26
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.82	8.26
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.56	8.37
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.96	8.37
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.56	8.37
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.56	8.37
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.56	8.37
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.96	8.37
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.96	8.37
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.52	8.37
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.00	8.70
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.80	8.70
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.00	8.70
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.80	8.70
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.80	8.70
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.96	8.70
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.38	9.13
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.58	9.13
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.58	9.13
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.58	9.13
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.98	9.13
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.54	9.13
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.54	9.13
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.53	9.24
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.27	9.34
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.23	9.45
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.23	9.45
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.78	9.45
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.37	9.56
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.92	9.56
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	44.21	9.78
23 41 13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*		
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	975.99	21.73
23 41 13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*		
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	72.91	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	70.42	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.04	
23 41 16		**Renewable-Media Air Filters** *(23 41)*		
23 41 16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*		
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	125.46	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*

23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar 47.91

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters *(23 41 33)*

Note: Includes particleboard and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*

23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	135.58	20.28
		For Removal And Replacement In Existing Equipment, Add	*4.06*	
		For >10 To 25, Deduct	*-3.39*	
		For >25 To 50, Deduct	*-6.78*	
		For >50 To 100, Deduct	*-10.17*	
		For >100, Deduct	*-13.56*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	178.99	23.18
		For Removal And Replacement In Existing Equipment, Add	*4.64*	
		For >10 To 25, Deduct	*-4.47*	
		For >25 To 50, Deduct	*-8.95*	
		For >50 To 100, Deduct	*-13.42*	
		For >100, Deduct	*-17.90*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	209.37	26.81
		For Removal And Replacement In Existing Equipment, Add	*5.36*	
		For >10 To 25, Deduct	*-5.23*	
		For >25 To 50, Deduct	*-10.47*	
		For >50 To 100, Deduct	*-15.70*	
		For >100, Deduct	*-20.94*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	239.79	30.43
		For Removal And Replacement In Existing Equipment, Add	*6.09*	
		For >10 To 25, Deduct	*-5.99*	
		For >25 To 50, Deduct	*-11.99*	
		For >50 To 100, Deduct	*-17.98*	
		For >100, Deduct	*-23.98*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	164.19	21.73
		For Removal And Replacement In Existing Equipment, Add	*4.35*	
		For >10 To 25, Deduct	*-4.10*	
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-12.31*	
		For >100, Deduct	*-16.42*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	219.20	25.36
		For Removal And Replacement In Existing Equipment, Add	*5.07*	
		For >10 To 25, Deduct	*-5.48*	
		For >25 To 50, Deduct	*-10.96*	
		For >50 To 100, Deduct	*-16.44*	
		For >100, Deduct	*-21.92*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	261.56	28.98
		For Removal And Replacement In Existing Equipment, Add	*5.80*	
		For >10 To 25, Deduct	*-6.54*	
		For >25 To 50, Deduct	*-13.08*	
		For >50 To 100, Deduct	*-19.62*	
		For >100, Deduct	*-26.16*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	311.16	36.22
		For Removal And Replacement In Existing Equipment, Add	*7.24*	
		For >10 To 25, Deduct	*-7.78*	
		For >25 To 50, Deduct	*-15.56*	
		For >50 To 100, Deduct	*-23.34*	
		For >100, Deduct	*-31.12*	

23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*

23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	116.40	18.11
		For Removal And Replacement In Existing Equipment, Add	*3.62*	
		For >10 To 25, Deduct	*-2.91*	
		For >25 To 50, Deduct	*-5.82*	
		For >50 To 100, Deduct	*-8.73*	
		For >100, Deduct	*-11.64*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	159.99	21.73
		For Removal And Replacement In Existing Equipment, Add	*4.35*	
		For >10 To 25, Deduct	*-4.00*	
		For >25 To 50, Deduct	*-8.00*	
		For >50 To 100, Deduct	*-12.00*	
		For >100, Deduct	*-16.00*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	242.16	25.36
		For Removal And Replacement In Existing Equipment, Add	*5.07*	
		For >10 To 25, Deduct	*-6.05*	
		For >25 To 50, Deduct	*-12.11*	
		For >50 To 100, Deduct	*-18.16*	
		For >100, Deduct	*-24.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	310.12	28.98
		For Removal And Replacement In Existing Equipment, Add	*5.80*	
		For >10 To 25, Deduct	*-7.75*	
		For >25 To 50, Deduct	*-15.51*	
		For >50 To 100, Deduct	*-23.26*	
		For >100, Deduct	*-31.01*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	109.09	14.49
		For Removal And Replacement In Existing Equipment, Add	*2.90*	
		For >10 To 25, Deduct	*-2.73*	
		For >25 To 50, Deduct	*-5.45*	
		For >50 To 100, Deduct	*-8.18*	
		For >100, Deduct	*-10.91*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	144.69	19.56
		For Removal And Replacement In Existing Equipment, Add	*3.91*	
		For >10 To 25, Deduct	*-3.62*	
		For >25 To 50, Deduct	*-7.23*	
		For >50 To 100, Deduct	*-10.85*	
		For >100, Deduct	*-14.47*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	193.72	23.18
		For Removal And Replacement In Existing Equipment, Add	*4.64*	
		For >10 To 25, Deduct	*-4.84*	
		For >25 To 50, Deduct	*-9.69*	
		For >50 To 100, Deduct	*-14.53*	
		For >100, Deduct	*-19.37*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	227.41	27.17
		For Removal And Replacement In Existing Equipment, Add	*5.43*	
		For >10 To 25, Deduct	*-5.69*	
		For >25 To 50, Deduct	*-11.37*	
		For >50 To 100, Deduct	*-17.06*	
		For >100, Deduct	*-22.74*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	259.67	30.43
		For Removal And Replacement In Existing Equipment, Add	*6.09*	
		For >10 To 25, Deduct	*-6.49*	
		For >25 To 50, Deduct	*-12.98*	
		For >50 To 100, Deduct	*-19.48*	
		For >100, Deduct	*-25.97*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	177.60	21.73
		For Removal And Replacement In Existing Equipment, Add	*4.35*	
		For >10 To 25, Deduct	*-4.44*	
		For >25 To 50, Deduct	*-8.88*	
		For >50 To 100, Deduct	*-13.32*	
		For >100, Deduct	*-17.76*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	237.93	25.36
		For Removal And Replacement In Existing Equipment, Add	*5.07*	
		For >10 To 25, Deduct	*-5.95*	
		For >25 To 50, Deduct	*-11.90*	
		For >50 To 100, Deduct	*-17.84*	
		For >100, Deduct	*-23.79*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	284.18	28.98
		For Removal And Replacement In Existing Equipment, Add	*5.80*	
		For >10 To 25, Deduct	*-7.10*	
		For >25 To 50, Deduct	*-14.21*	
		For >50 To 100, Deduct	*-21.31*	
		For >100, Deduct	*-28.42*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	350.30	36.22
		For Removal And Replacement In Existing Equipment, Add	*7.24*	
		For >10 To 25, Deduct	*-8.76*	
		For >25 To 50, Deduct	*-17.52*	
		For >50 To 100, Deduct	*-26.27*	
		For >100, Deduct	*-35.03*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	350.87	108.06
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	659.01	214.80
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	668.17	214.80
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	674.27	214.80
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	717.02	214.80
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	770.46	214.80
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,281.35	430.92
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,411.13	430.92
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,576.02	430.92
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	376.83	108.06
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	703.28	214.80
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	713.97	214.80
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	721.60	214.80
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	771.99	214.80
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	839.17	214.80
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,388.22	430.92
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,550.06	430.92
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,754.66	430.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0044		Filter, Bag Type, 90-95% Efficiency *(23 41 33)*		
23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	325.70	140.09
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	368.42	140.09
23 41 33 00-0047		Filter, Bag Type, 80-85% Efficiency *(23 41 33)*		
23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	320.79	140.09
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	352.31	140.09

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.87	10.87
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.40	10.87
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.72	10.87
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.72	10.87
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	53.73	10.87
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	60.31	10.87
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.45	12.32
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.90	12.32
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	62.28	12.32
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	62.28	12.32
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	66.71	12.32
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	79.05	12.32
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	30.54	10.87
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	32.45	10.87
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	32.52	10.87
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	35.01	10.87
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	37.23	10.87
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	35.31	12.32
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	38.63	12.32
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	39.34	12.32
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	43.45	12.32
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	46.07	12.32
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	74.63	13.04

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001		Stationary Floor, Room Air Purifier *(23 43 23)*		
23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,164.44	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,620.90	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,098.80	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	918.30	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,651.89	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,542.49	
23 43 23 00-0008		Surface Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	3,023.83	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,203.20	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,804.01	
23 43 23 00-0012		Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,894.17	

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,994.16	293.51
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,528.49	320.19
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,436.88	353.54
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	7,107.04	410.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 13-0007		**Centrifugal Impeller Vertical Discharge Fans** *(23 51 13 13-0001)*		
23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,802.49	320.19
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,857.90	353.54
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,608.12	413.59
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	9,010.88	463.61
23 51 13 13-0012		**Accessories For Vertical Discharge Fans** *(23 51 13 13-0001)*		
23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	560.87	100.06
23 51 13 16		**Vent Dampers** *(23 51 13)*		
23 51 13 16-0001		**Flue Shutter Draft Control Damper, Parallel Blade** *(23 51 13 16)*		
23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,071.90	59.24
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,175.15	62.84
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,297.18	66.70
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,385.88	71.14
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,512.98	76.21
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,607.34	82.05
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,776.96	88.96
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	1,951.17	97.02
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,183.66	101.72
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,345.65	106.73
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,562.36	112.07
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	3,036.83	177.44
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,329.65	188.45
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,607.56	200.12
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,669.40	206.79
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,784.98	213.46
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	3,891.70	226.80
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	4,060.77	233.32
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,237.95	246.66
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,442.64	266.83
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,666.80	275.99
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	4,872.91	280.17
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	5,112.20	293.51
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,352.85	306.85
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,594.16	320.19
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	5,834.46	333.53
23 51 13 19		**Barometric Dampers** *(23 51 13)*		
23 51 13 19-0001		**Barometric Dampers** *(23 51 13 19)*		
23 51 13 19-0002	EA	6" x 6" Barometric Damper	490.43	11.58
23 51 13 19-0003	EA	12" x 12" Barometric Damper	709.17	15.91
23 51 13 19-0004	EA	18" x 18" Barometric Damper	951.65	24.59
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,144.48	46.29
23 51 13 19-0006	EA	6" Diameter Barometric Damper	242.64	11.58
		For Stainless Steel, Add	*237.30*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	287.02	13.01
		For Stainless Steel, Add	*281.93*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	333.01	14.46
		For Stainless Steel, Add	*326.95*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	408.78	14.46
		For Stainless Steel, Add	*414.17*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	536.97	17.36
		For Stainless Steel, Add	*564.25*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	680.83	18.81
		For Stainless Steel, Add	*727.73*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	854.81	20.25
		For Stainless Steel, Add	*928.13*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,019.39	21.69
		For Stainless Steel, Add	*1,115.53*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,181.88	24.59
		For Stainless Steel, Add	*1,302.54*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,554.34	26.04
		For Stainless Steel, Add	*1,740.23*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,849.05	28.93
		For Stainless Steel, Add	*2,083.01*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,227.72	28.93
		For Stainless Steel, Add	*2,531.24*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,744.93	33.27
		For Stainless Steel, Add	*3,137.69*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,498.85	34.72
		For Stainless Steel, Add	*4,034.17*	
23 51 16		**Fabricated Breechings and Accessories** *(23 51)*		
23 51 16 00-0001		Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0002		**Round Galvanized Double Wall Flue/Vent Pipe** *(23 51 16 00-0001)*		
23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	36.95	11.87
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*5.16*	
		For 3" To 4" Wall Instead Of 1", Add	*9.22*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	39.58	12.55
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*5.75*	
		For 3" To 4" Wall Instead Of 1", Add	*10.16*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	43.66	13.34
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*6.50*	
		For 3" To 4" Wall Instead Of 1", Add	*11.39*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	47.55	14.28
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*7.23*	
		For 3" To 4" Wall Instead Of 1", Add	*12.60*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	55.53	15.21
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*9.20*	
		For 3" To 4" Wall Instead Of 1", Add	*15.66*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	61.71	16.41
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*10.23*	
		For 3" To 4" Wall Instead Of 1", Add	*17.41*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	87.65	17.61
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*17.34*	
		For 3" To 4" Wall Instead Of 1", Add	*28.25*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	106.06	19.48
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*22.11*	
		For 3" To 4" Wall Instead Of 1", Add	*35.59*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	147.39	20.28
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*34.05*	
		For 3" To 4" Wall Instead Of 1", Add	*53.62*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	183.32	21.35
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*44.37*	
		For 3" To 4" Wall Instead Of 1", Add	*69.21*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	224.79	22.42
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*56.11*	
		For 3" To 4" Wall Instead Of 1", Add	*87.00*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	287.52	35.62
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*68.68*	
		For 3" To 4" Wall Instead Of 1", Add	*107.41*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	346.65	37.63
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*85.01*	
		For 3" To 4" Wall Instead Of 1", Add	*132.26*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	411.16	40.02
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*103.17*	
		For 3" To 4" Wall Instead Of 1", Add	*159.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	476.48	41.36
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*122.29*	
		For 3" To 4" Wall Instead Of 1", Add	*188.60*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	499.44	42.69
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*128.49*	
		For 3" To 4" Wall Instead Of 1", Add	*198.08*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	530.84	45.76
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*136.41*	
		For 3" To 4" Wall Instead Of 1", Add	*210.32*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	600.19	47.50
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*156.36*	
		For 3" To 4" Wall Instead Of 1", Add	*240.47*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	672.01	49.23
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*177.00*	
		For 3" To 4" Wall Instead Of 1", Add	*271.65*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	707.30	51.23
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*186.60*	
		For 3" To 4" Wall Instead Of 1", Add	*286.30*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	766.85	53.36
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*203.41*	
		For 3" To 4" Wall Instead Of 1", Add	*311.77*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	844.36	55.64
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*225.48*	
		For 3" To 4" Wall Instead Of 1", Add	*345.17*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	883.35	58.17
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*235.89*	
		For 3" To 4" Wall Instead Of 1", Add	*361.11*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	977.06	60.97
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*262.62*	
		For 3" To 4" Wall Instead Of 1", Add	*401.55*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,060.63	64.04
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*286.16*	
		For 3" To 4" Wall Instead Of 1", Add	*437.25*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,166.33	67.38
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*316.26*	
		For 3" To 4" Wall Instead Of 1", Add	*482.80*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	92.43	23.74
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*15.97*	
		For 3" To 4" Wall Instead Of 1", Add	*26.89*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	102.24	25.08
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*18.16*	
		For 3" To 4" Wall Instead Of 1", Add	*30.37*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	113.78	26.68
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*20.85*	
		For 3" To 4" Wall Instead Of 1", Add	*34.60*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	125.64	28.42
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*23.58*	
		For 3" To 4" Wall Instead Of 1", Add	*38.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	149.26	30.41
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*29.65*	
		For 3" To 4" Wall Instead Of 1", Add	*48.26*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	174.27	32.82
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*35.87*	
		For 3" To 4" Wall Instead Of 1", Add	*57.91*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	301.32	35.62
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*72.55*	
		For 3" To 4" Wall Instead Of 1", Add	*113.29*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	364.43	38.82
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*89.93*	
		For 3" To 4" Wall Instead Of 1", Add	*139.75*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	471.45	40.70
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*121.11*	
		For 3" To 4" Wall Instead Of 1", Add	*186.74*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	578.69	42.69
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*152.30*	
		For 3" To 4" Wall Instead Of 1", Add	*233.78*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	746.92	44.96
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*201.59*	
		For 3" To 4" Wall Instead Of 1", Add	*308.00*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,054.07	71.11
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*280.63*	
		For 3" To 4" Wall Instead Of 1", Add	*429.84*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,387.30	75.37
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*378.50*	
		For 3" To 4" Wall Instead Of 1", Add	*577.18*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,565.17	80.04
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*429.49*	
		For 3" To 4" Wall Instead Of 1", Add	*654.25*	
23 51 16 00-0044		**45 Degree Elbows** *(23 51 16 00-0001)*		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	78.60	23.74
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*11.73*	
		For 3" To 4" Wall Instead Of 1", Add	*20.56*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	85.66	25.08
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*13.13*	
		For 3" To 4" Wall Instead Of 1", Add	*22.84*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	93.58	26.68
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*14.73*	
		For 3" To 4" Wall Instead Of 1", Add	*25.43*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	103.29	28.42
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*16.76*	
		For 3" To 4" Wall Instead Of 1", Add	*28.70*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	122.31	30.41
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*21.45*	
		For 3" To 4" Wall Instead Of 1", Add	*35.99*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	135.08	32.82
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*24.11*	
		For 3" To 4" Wall Instead Of 1", Add	*40.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	221.54	35.62
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*48.67*	
		For 3" To 4" Wall Instead Of 1", Add	*77.45*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	264.17	38.82
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*59.85*	
		For 3" To 4" Wall Instead Of 1", Add	*94.62*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	336.84	40.70
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*80.72*	
		For 3" To 4" Wall Instead Of 1", Add	*126.16*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	401.79	42.69
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*99.20*	
		For 3" To 4" Wall Instead Of 1", Add	*154.13*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	508.89	44.96
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*130.20*	
		For 3" To 4" Wall Instead Of 1", Add	*200.92*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	624.68	70.98
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*151.92*	
		For 3" To 4" Wall Instead Of 1", Add	*236.75*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	861.64	75.37
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*220.80*	
		For 3" To 4" Wall Instead Of 1", Add	*340.63*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,053.03	80.04
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*275.91*	
		For 3" To 4" Wall Instead Of 1", Add	*423.86*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,889.68	82.72
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*525.57*	
		For 3" To 4" Wall Instead Of 1", Add	*798.69*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,942.45	85.39
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*540.07*	
		For 3" To 4" Wall Instead Of 1", Add	*820.77*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,048.00	90.72
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*569.07*	
		For 3" To 4" Wall Instead Of 1", Add	*864.94*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,285.21	93.39
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*638.90*	
		For 3" To 4" Wall Instead Of 1", Add	*970.01*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,494.52	98.73
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*699.02*	
		For 3" To 4" Wall Instead Of 1", Add	*1,060.87*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,572.16	106.73
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*718.32*	
		For 3" To 4" Wall Instead Of 1", Add	*1,090.81*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,754.40	110.47
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*771.12*	
		For 3" To 4" Wall Instead Of 1", Add	*1,170.48*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,931.32	112.07
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*823.40*	
		For 3" To 4" Wall Instead Of 1", Add	*1,249.09*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,059.92	117.41
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*859.31*	
		For 3" To 4" Wall Instead Of 1", Add	*1,303.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,246.15	122.74
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*912.52*	
		For 3" To 4" Wall Instead Of 1", Add	*1,384.11*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,490.03	128.07
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*983.02*	
		For 3" To 4" Wall Instead Of 1", Add	*1,490.52*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,618.63	133.41
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,018.93*	
		For 3" To 4" Wall Instead Of 1", Add	*1,545.06*	
23 51 16 00-0071		**Tees** *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	126.43	31.62
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*22.10*	
		For 3" To 4" Wall Instead Of 1", Add	*37.10*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	131.62	32.82
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*23.08*	
		For 3" To 4" Wall Instead Of 1", Add	*38.72*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	137.26	34.16
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*24.10*	
		For 3" To 4" Wall Instead Of 1", Add	*40.42*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	146.63	35.62
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*26.19*	
		For 3" To 4" Wall Instead Of 1", Add	*43.74*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	172.39	37.09
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*33.15*	
		For 3" To 4" Wall Instead Of 1", Add	*54.36*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	184.60	38.82
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*35.98*	
		For 3" To 4" Wall Instead Of 1", Add	*58.82*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	339.12	40.70
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*81.41*	
		For 3" To 4" Wall Instead Of 1", Add	*127.19*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	392.57	42.69
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*96.43*	
		For 3" To 4" Wall Instead Of 1", Add	*149.98*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	584.28	47.50
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*151.57*	
		For 3" To 4" Wall Instead Of 1", Add	*233.28*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	792.73	53.36
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*211.15*	
		For 3" To 4" Wall Instead Of 1", Add	*323.39*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	982.42	60.97
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*264.24*	
		For 3" To 4" Wall Instead Of 1", Add	*403.98*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,306.40	75.37
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*354.27*	
		For 3" To 4" Wall Instead Of 1", Add	*540.82*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,640.98	98.45
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*443.06*	
		For 3" To 4" Wall Instead Of 1", Add	*676.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,885.54	104.06
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*513.63*	
		For 3" To 4" Wall Instead Of 1", Add	*783.45*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,585.78	112.07
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*719.68*	
		For 3" To 4" Wall Instead Of 1", Add	*1,093.53*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,884.72	116.47
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*807.21*	
		For 3" To 4" Wall Instead Of 1", Add	*1,225.36*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,131.07	122.74
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*877.95*	
		For 3" To 4" Wall Instead Of 1", Add	*1,332.27*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,605.42	128.07
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,017.61*	
		For 3" To 4" Wall Instead Of 1", Add	*1,542.42*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,676.50	133.41
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,036.24*	
		For 3" To 4" Wall Instead Of 1", Add	*1,571.04*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,275.30	142.35
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,211.40*	
		For 3" To 4" Wall Instead Of 1", Add	*1,834.90*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,377.38	160.10
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,233.13*	
		For 3" To 4" Wall Instead Of 1", Add	*1,869.72*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,780.32	183.04
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,342.59*	
		For 3" To 4" Wall Instead Of 1", Add	*2,036.76*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,259.92	213.46
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,471.25*	
		For 3" To 4" Wall Instead Of 1", Add	*2,233.55*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,729.61	240.14
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,598.91*	
		For 3" To 4" Wall Instead Of 1", Add	*2,428.35*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,268.41	248.15
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,756.53*	
		For 3" To 4" Wall Instead Of 1", Add	*2,665.80*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,634.47	256.16
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,862.31*	
		For 3" To 4" Wall Instead Of 1", Add	*2,825.47*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	64.28	18.54
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*10.00*	
		For 3" To 4" Wall Instead Of 1", Add	*17.32*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	67.34	19.48
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*10.49*	
		For 3" To 4" Wall Instead Of 1", Add	*18.17*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	85.98	21.35
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.12*	
		For 3" To 4" Wall Instead Of 1", Add	*25.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	91.85	23.74
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.71*	
		For 3" To 4" Wall Instead Of 1", Add	*26.53*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	110.78	25.08
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*20.69*	
		For 3" To 4" Wall Instead Of 1", Add	*34.17*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	130.10	26.68
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*25.69*	
		For 3" To 4" Wall Instead Of 1", Add	*41.87*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	298.66	30.41
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*74.36*	
		For 3" To 4" Wall Instead Of 1", Add	*115.35*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	551.75	38.16
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*146.47*	
		For 3" To 4" Wall Instead Of 1", Add	*224.47*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,013.48	45.76
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*281.18*	
		For 3" To 4" Wall Instead Of 1", Add	*427.48*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,681.76	64.04
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*472.50*	
		For 3" To 4" Wall Instead Of 1", Add	*716.76*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,473.95	67.38
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*708.50*	
		For 3" To 4" Wall Instead Of 1", Add	*1,071.17*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,771.56	71.11
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*795.89*	
		For 3" To 4" Wall Instead Of 1", Add	*1,202.73*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,127.95	75.37
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*900.70*	
		For 3" To 4" Wall Instead Of 1", Add	*1,360.47*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,312.62	80.04
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*953.75*	
		For 3" To 4" Wall Instead Of 1", Add	*1,440.63*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,498.86	85.39
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,006.95*	
		For 3" To 4" Wall Instead Of 1", Add	*1,521.10*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,744.48	91.52
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,077.62*	
		For 3" To 4" Wall Instead Of 1", Add	*1,627.87*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	26.99	10.01
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*3.11*	
		For 3" To 4" Wall Instead Of 1", Add	*5.91*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	34.25	12.81
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.85*	
		For 3" To 4" Wall Instead Of 1", Add	*7.38*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	45.62	17.21
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*5.08*	
		For 3" To 4" Wall Instead Of 1", Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	57.03	21.35
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*6.44*	
		For 3" To 4" Wall Instead Of 1", Add	*12.32*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	81.48	28.81
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*10.04*	
		For 3" To 4" Wall Instead Of 1", Add	*18.66*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	102.76	35.76
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*12.95*	
		For 3" To 4" Wall Instead Of 1", Add	*23.89*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	129.40	42.69
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*17.47*	
		For 3" To 4" Wall Instead Of 1", Add	*31.55*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	167.31	50.70
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*24.85*	
		For 3" To 4" Wall Instead Of 1", Add	*43.60*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	221.65	56.04
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*38.48*	
		For 3" To 4" Wall Instead Of 1", Add	*64.72*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	72.50	23.74
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*9.90*	
		For 3" To 4" Wall Instead Of 1", Add	*17.82*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	79.88	25.08
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*11.40*	
		For 3" To 4" Wall Instead Of 1", Add	*20.24*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	99.69	28.42
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*15.69*	
		For 3" To 4" Wall Instead Of 1", Add	*27.09*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	121.13	32.82
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*19.93*	
		For 3" To 4" Wall Instead Of 1", Add	*34.00*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	196.20	35.62
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*41.06*	
		For 3" To 4" Wall Instead Of 1", Add	*66.04*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	233.01	38.82
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*50.51*	
		For 3" To 4" Wall Instead Of 1", Add	*80.61*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	273.88	42.69
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*60.82*	
		For 3" To 4" Wall Instead Of 1", Add	*96.56*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	326.23	47.50
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*74.12*	
		For 3" To 4" Wall Instead Of 1", Add	*117.12*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	490.82	53.36
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*120.55*	
		For 3" To 4" Wall Instead Of 1", Add	*187.50*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	542.15	71.11
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*127.07*	
		For 3" To 4" Wall Instead Of 1", Add	*199.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	689.86	91.52
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*161.21*	
		For 3" To 4" Wall Instead Of 1", Add	*253.25*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	820.15	106.73
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*192.68*	
		For 3" To 4" Wall Instead Of 1", Add	*302.36*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	28.77	10.01
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.64*	
		For 3" To 4" Wall Instead Of 1", Add	*6.71*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	36.41	12.81
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*4.52*	
		For 3" To 4" Wall Instead Of 1", Add	*8.38*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	42.82	14.94
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*5.37*	
		For 3" To 4" Wall Instead Of 1", Add	*9.93*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	49.26	17.07
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*6.24*	
		For 3" To 4" Wall Instead Of 1", Add	*11.49*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	62.10	21.35
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*7.96*	
		For 3" To 4" Wall Instead Of 1", Add	*14.60*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	85.73	28.81
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*11.31*	
		For 3" To 4" Wall Instead Of 1", Add	*20.57*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	105.84	35.76
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*13.87*	
		For 3" To 4" Wall Instead Of 1", Add	*25.28*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	134.62	42.69
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*19.04*	
		For 3" To 4" Wall Instead Of 1", Add	*33.90*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	177.23	50.70
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*27.82*	
		For 3" To 4" Wall Instead Of 1", Add	*48.07*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	246.50	56.04
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*45.93*	
		For 3" To 4" Wall Instead Of 1", Add	*75.90*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	47.88	12.55
		For 2" Wall Instead Of 1", Add	*8.09*	
		For 3" To 4" Wall Instead Of 1", Add	*13.71*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	52.73	13.34
		For 2" Wall Instead Of 1", Add	*9.20*	
		For 3" To 4" Wall Instead Of 1", Add	*15.45*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	58.36	14.28
		For 2" Wall Instead Of 1", Add	*10.39*	
		For 3" To 4" Wall Instead Of 1", Add	*17.36*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	104.68	26.02
		For 2" Wall Instead Of 1", Add	*18.39*	
		For 3" To 4" Wall Instead Of 1", Add	*30.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	122.16	30.41
		For 2" Wall Instead Of 1", Add	*21.44*	
		For 3" To 4" Wall Instead Of 1", Add	*35.96*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	145.19	34.42
		For 2" Wall Instead Of 1", Add	*26.34*	
		For 3" To 4" Wall Instead Of 1", Add	*43.82*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	106.66	26.02
		For 2" Wall Instead Of 1", Add	*18.98*	
		For 3" To 4" Wall Instead Of 1", Add	*31.73*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	126.97	30.41
		For 2" Wall Instead Of 1", Add	*22.88*	
		For 3" To 4" Wall Instead Of 1", Add	*38.12*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	148.30	34.42
		For 2" Wall Instead Of 1", Add	*27.28*	
		For 3" To 4" Wall Instead Of 1", Add	*45.22*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	174.36	39.49
		For 2" Wall Instead Of 1", Add	*32.54*	
		For 3" To 4" Wall Instead Of 1", Add	*53.75*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	177.47	39.49
		For 2" Wall Instead Of 1", Add	*33.48*	
		For 3" To 4" Wall Instead Of 1", Add	*55.15*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	203.92	45.36
		For 2" Wall Instead Of 1", Add	*38.50*	
		For 3" To 4" Wall Instead Of 1", Add	*63.41*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	233.14	50.83
		For 2" Wall Instead Of 1", Add	*44.53*	
		For 3" To 4" Wall Instead Of 1", Add	*73.15*	

23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*

23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	66.37	12.81
		For 2" Wall Instead Of 1", Add	*13.48*	
		For 3" To 4" Wall Instead Of 1", Add	*21.83*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	103.15	17.21
		For 2" Wall Instead Of 1", Add	*22.34*	
		For 3" To 4" Wall Instead Of 1", Add	*35.66*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	54.20	12.81
		For 2" Wall Instead Of 1", Add	*9.83*	
		For 3" To 4" Wall Instead Of 1", Add	*16.36*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	91.70	17.21
		For 2" Wall Instead Of 1", Add	*18.90*	
		For 3" To 4" Wall Instead Of 1", Add	*30.51*	

23 51 16 00-0171 Storm Collars *(23 51 16 00-0149)*

23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	36.41	12.81
		For 2" Wall Instead Of 1", Add	*4.52*	
		For 3" To 4" Wall Instead Of 1", Add	*8.38*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	42.82	14.94
		For 2" Wall Instead Of 1", Add	*5.37*	
		For 3" To 4" Wall Instead Of 1", Add	*9.93*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	49.26	17.07
		For 2" Wall Instead Of 1", Add	*6.24*	
		For 3" To 4" Wall Instead Of 1", Add	*11.49*	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	127.72	14.28
		For 316 Stainless Steel, Add	*16.57*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.42*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	153.49	16.41
		For 316 Stainless Steel, Add	*20.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	170.34	17.75
		For 316 Stainless Steel, Add	*22.67*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.59*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.19*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	192.03	19.35
		For 316 Stainless Steel, Add	*25.84*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	216.04	20.28
		For 316 Stainless Steel, Add	*29.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	228.13	21.35
		For 316 Stainless Steel, Add	*31.44*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.93*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	252.58	22.55
		For 316 Stainless Steel, Add	*35.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.63*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.27*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	313.76	35.62
		For 316 Stainless Steel, Add	*40.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.95*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	389.85	40.02
		For 316 Stainless Steel, Add	*52.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	439.78	42.69
		For 316 Stainless Steel, Add	*59.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*66.62*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	492.19	47.37
		For 316 Stainless Steel, Add	*67.27*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	547.68	51.23
		For 316 Stainless Steel, Add	*75.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	625.21	58.30
		For 316 Stainless Steel, Add	*86.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	732.07	67.51
		For 316 Stainless Steel, Add	*101.39*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.66*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	596.34	29.49
		For 316 Stainless Steel, Add	*104.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*52.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*104.53*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	658.87	32.82
		For 316 Stainless Steel, Add	*115.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*115.37*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	749.82	35.62
		For 316 Stainless Steel, Add	*132.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.16*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	847.16	38.82
		For 316 Stainless Steel, Add	*150.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*75.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*150.03*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	981.81	40.70
		For 316 Stainless Steel, Add	*176.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,081.63	42.69
		For 316 Stainless Steel, Add	*194.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,249.73	44.96
		For 316 Stainless Steel, Add	*227.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*113.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*227.48*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,450.70	71.11
		For 316 Stainless Steel, Add	*254.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*127.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*254.56*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,784.37	80.04
		For 316 Stainless Steel, Add	*316.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*158.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*316.85*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,163.30	85.39
		For 316 Stainless Steel, Add	*389.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*389.97*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,855.49	91.39
		For 316 Stainless Steel, Add	*525.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*262.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*525.37*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,245.75	106.73
		For 316 Stainless Steel, Add	*595.78*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*297.89*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*595.78*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,759.40	116.47
		For 316 Stainless Steel, Add	*893.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,939.51	128.07
		For 316 Stainless Steel, Add	*1,123.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*561.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,123.87*	

23 51 16 00-0206 45 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	398.79	28.42
		For 316 Stainless Steel, Add	*65.54*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.54*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	455.76	32.82
		For 316 Stainless Steel, Add	*74.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	506.05	35.62
		For 316 Stainless Steel, Add	*83.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	576.36	38.82
		For 316 Stainless Steel, Add	*95.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	648.71	40.70
		For 316 Stainless Steel, Add	*109.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*109.41*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	726.87	42.69
		For 316 Stainless Steel, Add	*124.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*62.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*124.03*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	813.72	44.96
		For 316 Stainless Steel, Add	*140.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*70.14*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*140.28*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	979.50	71.11
		For 316 Stainless Steel, Add	*160.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,229.21	80.04
		For 316 Stainless Steel, Add	*205.82*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*102.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*205.82*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,377.95	85.39
		For 316 Stainless Steel, Add	*232.90*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*116.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*232.90*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,785.78	91.39
		For 316 Stainless Steel, Add	*311.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*155.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*311.43*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,365.62	106.73
		For 316 Stainless Steel, Add	*419.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*209.88*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*419.76*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,134.54	116.47
		For 316 Stainless Steel, Add	*568.70*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,179.27	128.07
		For 316 Stainless Steel, Add	*771.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*385.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*771.81*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	432.97	35.62
		For 316 Stainless Steel, Add	*75.66*	
		For Tee Cap, Add	*99.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	492.39	38.82
		For 316 Stainless Steel, Add	*86.98*	
		For Tee Cap, Add	*113.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*79.08*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	564.72	40.70
		For 316 Stainless Steel, Add	*101.88*	
		For Tee Cap, Add	*128.19*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*46.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*92.62*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	648.32	42.69
		For 316 Stainless Steel, Add	*119.16*	
		For Tee Cap, Add	*145.67*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*108.32*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	757.71	47.50
		For 316 Stainless Steel, Add	*140.60*	
		For Tee Cap, Add	*169.33*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.82*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	850.97	53.36
		For 316 Stainless Steel, Add	*157.88*	
		For Tee Cap, Add	*190.19*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*143.53*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	991.86	60.97
		For 316 Stainless Steel, Add	*184.69*	
		For Tee Cap, Add	*221.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*167.90*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,136.18	75.37
		For 316 Stainless Steel, Add	*208.52*	
		For Tee Cap, Add	*255.49*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*94.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*189.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,444.86	106.73
		For 316 Stainless Steel, Add	*259.17*	
		For Tee Cap, Add	*329.00*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*117.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*235.61*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,753.40	116.47
		For 316 Stainless Steel, Add	*321.72*	
		For Tee Cap, Add	*394.33*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*146.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*292.48*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,324.18	128.07
		For 316 Stainless Steel, Add	*440.88*	
		For Tee Cap, Add	*512.86*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.40*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*400.80*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,590.15	142.35
		For 316 Stainless Steel, Add	*491.52*	
		For Tee Cap, Add	*571.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*223.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,121.90	213.46
		For 316 Stainless Steel, Add	*789.42*	
		For Tee Cap, Add	*904.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*358.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*717.65*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,176.51	256.16
		For 316 Stainless Steel, Add	*997.94*	
		For Tee Cap, Add	*1,131.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*453.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*907.22*	
23 51 16 00-0236		**Bellows** *(23 51 16 00-0175)*		
23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	813.13	28.42
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*74.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*148.40*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	886.35	32.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.86*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	969.18	35.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,071.93	38.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,198.46	40.70
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*109.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*219.36*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,325.36	42.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,479.92	44.96
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*136.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*273.52*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,721.49	71.11
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*154.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*308.72*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,122.90	80.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*192.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*384.55*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,379.98	85.39
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*216.65*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*433.30*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,720.22	91.52
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*249.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*498.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,110.37	106.73
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,946.99	116.47
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*365.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*731.19*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,788.59	128.07
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	542.48	32.82
		For 316 Stainless Steel, Add	*57.55*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	589.89	38.82
		For 316 Stainless Steel, Add	*61.61*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	645.60	42.69
		For 316 Stainless Steel, Add	*67.36*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	698.21	47.50
		For 316 Stainless Steel, Add	*72.44*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	886.58	50.29
		For 316 Stainless Steel, Add	*95.12*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	794.16	53.36
		For 316 Stainless Steel, Add	*82.60*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	854.60	56.96
		For 316 Stainless Steel, Add	*89.03*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	963.83	80.04
		For 316 Stainless Steel, Add	*95.46*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,081.52	91.39
		For 316 Stainless Steel, Add	*106.63*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,234.61	98.45
		For 316 Stainless Steel, Add	*123.56*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,376.99	106.59
		For 316 Stainless Steel, Add	*138.79*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,538.65	127.94
		For 316 Stainless Steel, Add	*152.33*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,966.95	142.22
		For 316 Stainless Steel, Add	*201.42*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,431.04	159.97
		For 316 Stainless Steel, Add	*253.89*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	374.14	18.54
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	394.77	20.28
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	424.36	21.35
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	443.43	22.42
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	488.26	23.08
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	533.11	23.61
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	645.89	24.42
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	810.35	45.76
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,016.81	49.23
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,211.33	51.23
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,487.49	53.36
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,689.21	58.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,129.44	60.97
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,719.29	64.04

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	409.24	18.54
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	473.31	20.28
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	548.90	21.35
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	630.26	22.42
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	734.65	23.08
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	833.78	23.74
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	927.58	24.42
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,116.24	45.76
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,328.23	49.23
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,441.44	51.23
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,636.34	53.36
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,905.70	58.17
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,318.91	60.97
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,692.10	64.04

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	618.77	34.16
		For 316 Stainless Steel, Add	*106.70*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	683.91	40.70
		For 316 Stainless Steel, Add	*116.45*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	751.37	44.96
		For 316 Stainless Steel, Add	*127.82*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	802.51	50.16
		For 316 Stainless Steel, Add	*135.41*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	894.38	53.36
		For 316 Stainless Steel, Add	*152.20*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	949.35	56.96
		For 316 Stainless Steel, Add	*161.40*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,019.20	61.10
		For 316 Stainless Steel, Add	*173.32*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,134.22	85.39
		For 316 Stainless Steel, Add	*184.15*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,275.42	98.59
		For 316 Stainless Steel, Add	*205.82*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,471.94	106.73
		For 316 Stainless Steel, Add	*241.02*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,753.42	116.47
		For 316 Stainless Steel, Add	*292.48*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,034.99	142.35
		For 316 Stainless Steel, Add	*335.81*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,027.07	160.10
		For 316 Stainless Steel, Add	*525.37*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,704.76	181.98
		For 316 Stainless Steel, Add	*649.95*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0312		**Round Stainless Steel Double Wall Flue/Vent Pipe** *(23 51 16 00-0311)* Note: With 1" insulation.		
23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	111.47	14.28
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.17*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	135.63	15.21
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.50*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	154.84	16.41
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.75*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	209.55	17.75
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	270.63	19.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.41*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	343.43	20.41
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*58.50*	
23 51 16 00-0319		**90 Degree Elbows** *(23 51 16 00-0311)*		
23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	240.42	28.42
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.85*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	265.74	30.41
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*37.91*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	298.74	32.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.33*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	370.64	35.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	440.95	38.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	513.23	40.70
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*82.33*	
23 51 16 00-0326		**45 Degree Elbows** *(23 51 16 00-0311)*		
23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	198.11	28.42
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.39*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	218.35	30.41
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.44*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	244.60	32.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*32.50*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	300.22	35.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*42.25*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	354.94	38.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.59*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	410.38	40.70
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*61.74*	
23 51 16 00-0333		**Tees With Tee Caps** *(23 51 16 00-0311)*		
23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	390.66	28.42
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	493.23	30.41
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	553.26	32.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*94.24*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	752.39	35.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.70*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,031.26	38.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*186.86*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,320.22	40.70
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0340		**Joist Shields** *(23 51 16 00-0311)*		
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	168.60	28.42
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	181.80	30.41
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	212.04	32.82
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	263.71	35.62
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	315.00	38.82
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	372.41	40.70
23 51 16 00-0347		**Adjustable Roof Flashing** *(23 51 16 00-0311)*		
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	199.75	28.42
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	222.41	30.41
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	241.82	32.82
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	293.47	35.62
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	361.13	38.82
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	431.94	40.55
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	179.43	28.42
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	223.76	30.41
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	279.74	32.82
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	443.81	35.62
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	603.49	38.82
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	767.82	40.70
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	264.64	28.42
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	294.17	30.41
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	318.98	32.82
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	400.36	35.62
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	473.44	38.82
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	578.26	40.70
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	261.00	54.33
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	282.76	54.33
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)* Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	49.87	16.50
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	56.59	17.37
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	64.81	19.31
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	80.38	22.71
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	59.89	18.91
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	72.06	19.92
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	88.23	22.13
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	109.02	26.03
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	98.50	25.03
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	116.09	26.34
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	144.09	29.27
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	186.43	34.44
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	146.10	36.94
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	166.81	38.87
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	216.33	43.20
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	280.80	50.83
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	61.62	20.05
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	71.91	21.11
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	89.44	21.88
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	103.64	22.78
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	61.62	20.05
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	71.91	21.11
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	89.44	21.88
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	103.64	22.78
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	61.62	20.05
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	71.91	21.11
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	89.44	21.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	103.64	22.78
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	61.62	20.05
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	71.91	21.11
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	88.36	21.88
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	106.31	22.78
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	188.96	30.08
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	236.90	31.67
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	277.65	32.82
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	303.64	34.16
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	72.16	20.05
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	102.59	21.11
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	119.14	21.88
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	161.71	22.78
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	79.80	20.58
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	87.26	21.49
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	155.20	22.32
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	106.83	20.58
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	85.06	21.49
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	212.94	22.32
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	79.80	20.58
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	87.26	21.49
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	191.20	22.32
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	101.64	30.08
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	113.79	31.67
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	172.47	32.82
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	184.06	34.16
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	282.50	32.82
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	369.75	41.03
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	233.15	34.16
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	344.49	42.69
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	358.34	21.49
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	414.58	22.32
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	138.14	30.08
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	166.44	31.67
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	190.26	32.82
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	216.72	34.16
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	239.65	32.82
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	263.99	34.16
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	78.80	10.03
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	100.90	10.55
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	119.74	10.94
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	156.07	11.38
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	153.94	30.08
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	188.34	31.67
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	217.43	32.82
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	261.39	34.16
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	197.97	20.05
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	175.03	21.11
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	218.53	21.88
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	443.75	21.11

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23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	473.75	21.88
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	552.72	22.78
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	117.82	20.05
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	124.59	20.05
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	131.36	20.05
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	138.13	20.05
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	127.24	21.11
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	134.01	21.11
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	140.78	21.11
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	147.55	21.11
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	142.70	21.88
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	149.47	21.88
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	156.24	21.88
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	124.52	20.05
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	159.05	21.11
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	145.48	30.08
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	190.72	31.67
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	225.00	32.82
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	247.69	34.16
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	52.48	17.37
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	62.64	19.31
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	63.04	19.92
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	78.49	22.13
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	94.79	26.34
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	131.08	38.87
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	158.47	43.20
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	57.91	17.37
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	74.29	19.92
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	121.11	26.34
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	63.78	20.05
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	74.62	21.11
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	92.90	21.88
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	62.76	20.05
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	73.94	21.11
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	91.71	21.88
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	40.68	10.03
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	47.31	10.55
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	52.93	10.94
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	102.77	10.55
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	118.04	11.38
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	20.73	5.02
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	19.78	5.28
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	20.37	5.47
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	31.95	5.69
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	38.98	7.53
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	45.74	7.91
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	53.00	8.21
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	37.09	7.53
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	37.06	8.21
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	45.07	8.54
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	28.46	7.91
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	56.95	20.05
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	62.73	21.11
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	67.49	21.88
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	75.26	22.78
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.35	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.86	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.58	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.87	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	17.21	5.02
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	19.45	5.28
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	20.93	5.47
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	23.12	5.69
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	85.59	10.03
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	87.76	10.55
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	65.36	10.94
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	74.34	7.53
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	76.69	7.91
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	102.83	8.21
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	173.99	8.54
23 51 16 00-0531		**Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.44	1.76
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.64	1.76
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	16.50	2.08
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	14.24	2.08
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	23.79	2.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	20.31	2.57
23 51 16 00-0538		**Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	94.98	20.05
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	106.29	20.05
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	215.58	21.11
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	393.16	21.88
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	109.62	20.05
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	256.87	21.11
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	663.92	21.88
23 51 16 00-0546		**Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	124.62	20.05
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	115.25	21.11
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	142.33	21.88
23 51 16 00-0550		**Aluminum Flue/Vent Fittings** *(23 51 16)*		
23 51 16 00-0551		**Aluminum Vent Top Caps** *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	118.97	19.88
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	126.53	19.48
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	137.22	20.41
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	191.47	21.35
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	214.16	23.74
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	611.69	25.08
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	626.89	26.68

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001		**Packaged Electric Steam Boiler** *(23 52 13)*		
		Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.		
23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	9,230.59	733.84
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,966.92	856.14
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,686.49	917.30
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,887.90	978.45
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	13,060.66	1,039.60
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	15,237.04	1,161.91
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	17,413.54	1,284.21
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	18,130.35	1,345.37
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	19,112.81	1,406.52
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	24,937.27	1,528.83
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	25,984.73	1,589.98
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	27,185.04	1,700.26
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	28,316.24	1,826.21
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	30,546.53	1,952.15
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	32,898.02	2,141.07
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	34,985.67	2,204.05
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	36,680.24	2,267.01
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	38,995.99	2,329.99
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	41,312.35	2,392.96
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	44,203.57	2,518.90
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	47,182.95	2,644.86
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	50,099.35	2,707.82
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	55,503.59	2,770.80
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	59,777.44	2,896.75
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	61,223.05	3,022.69
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	67,294.44	3,211.61
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	69,489.23	3,400.52
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	71,809.98	3,589.44
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	76,253.31	3,778.36
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	78,229.57	3,904.31
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	80,822.60	4,156.20
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	83,587.87	4,408.09
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	91,287.31	4,659.97
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	96,234.42	4,911.87
23 52 13 00-0036		**Packaged Electric Hot Water Boiler** *(23 52 13)*		
		Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.		
23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	8,110.02	672.68
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,535.62	733.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,961.22	794.99
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,378.14	856.14
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,862.20	917.30
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	10,213.32	978.45
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,638.92	1,039.60
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	11,277.32	1,100.76
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,850.80	1,161.91
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	12,191.28	1,223.06
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	13,096.55	1,284.21
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,954.74	1,345.37
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	15,511.40	1,406.52
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	16,539.12	1,467.67
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	17,394.25	1,528.83
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	18,859.88	1,589.98
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	20,485.36	1,700.26
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	22,015.78	1,826.21
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	23,682.79	1,952.15
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	25,339.17	2,141.07
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	27,006.18	2,267.01
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	28,564.19	2,392.96
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	30,751.92	2,455.94
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	32,768.32	2,518.90
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	34,699.59	2,644.86
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	36,725.80	2,644.86
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	40,228.42	2,707.82
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	42,090.73	2,770.80
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	44,442.83	2,896.75
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	46,217.98	2,959.71
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	47,999.55	3,022.69
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	49,335.58	3,211.61
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	51,750.11	3,400.52
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	60,207.09	3,589.44
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	66,051.31	3,778.36
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	68,608.70	3,904.31
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	71,457.61	4,156.20
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	74,306.54	4,408.09
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	82,345.17	4,659.97
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	87,530.55	4,911.87
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	89,741.08	5,037.82
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	91,951.59	5,163.76
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	92,455.37	5,352.68
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	99,256.29	5,478.63
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	103,803.28	5,667.54
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	111,446.73	6,045.38
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	120,117.29	6,675.10
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	130,095.07	7,430.78
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	137,738.53	8,186.45

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,630.26	489.22
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,396.45	651.65
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,298.43	733.72
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,156.11	774.57
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	19,965.46	896.87
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	23,091.05	978.33
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	31,137.66	1,141.36
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	43,196.96	1,304.52
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	52,773.45	1,426.82
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	76,071.22	1,671.32
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	83,815.67	1,793.62

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	39,907.78	1,059.91
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	41,799.80	1,141.36
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	46,744.12	1,304.52
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	50,528.16	1,467.55
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	56,020.35	1,589.86
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	64,058.11	1,671.32
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	76,908.72	1,793.62

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0021		**Buderus SB735 Stainless Steel Condensing Boilers** *(23 52 16 13)*		
		Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	78,451.28	1,956.66
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	90,792.66	2,038.23
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	105,167.63	2,119.81
23 52 16 13-0025		**Laars Neotherm Stainless Steel Condensing Boiler** *(23 52 16 13)*		
		Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	8,882.12	529.95
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	10,140.00	611.53
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	11,367.66	733.72
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	12,659.79	815.29
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	15,910.13	896.87
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	20,760.85	978.33
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	24,927.07	1,059.91
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	27,667.25	1,141.36
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	30,050.92	1,222.94
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	32,679.21	1,385.97
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	46,439.06	1,467.55
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	61,705.82	1,712.16
23 52 16 13-0038		**AERCO Benchmark Stainless-Steel Condensing Boilers** *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0039	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	50,332.32	1,671.32
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0040	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	59,686.45	1,793.62
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0041	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	85,690.85	1,997.51
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0042	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	91,272.63	1,997.51
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0043		**Lochinvar Knight Stainless Steel Condensing Boilers** *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,312.68	733.72
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,907.32	815.29
23 52 16 13-0046		**Lochinvar Knight XL Stainless Steel Condensing Boilers** *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	18,067.57	937.60
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	22,490.09	978.33
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	27,575.32	1,059.91
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	33,036.61	1,100.63
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	40,368.64	1,182.21
23 52 16 13-0052		**Lochinvar Crest Stainless Steel Condensing Boilers** *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	51,145.59	1,385.73
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	52,816.52	1,589.86
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	57,892.58	1,691.50
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	62,968.63	1,793.62
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	73,842.10	1,875.20
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	81,791.77	1,956.66
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	100,439.45	2,038.23
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	110,956.11	2,119.69
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	136,071.35	2,201.15
23 52 16 13-0062		**Patterson Kelley Stainless Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0063		**Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series** *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	47,848.02	1,671.32
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	73,428.79	1,997.51
23 52 16 13-0066		**Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series** *(23 52 16 13-0062)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	25,012.63	1,182.21
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	30,083.51	1,467.55
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	50,861.42	1,793.62
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	87,126.03	2,119.81
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	36,601.21	1,549.01
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	60,075.02	1,793.62
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	89,086.36	2,119.81
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)* Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,535.51	529.95
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,412.49	611.53
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,622.57	733.72
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	11,921.13	815.29
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	15,449.90	937.60
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)* Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	20,973.43	896.87
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	23,591.95	1,019.18
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	26,731.69	1,222.94
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	39,565.62	1,385.97
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	41,333.12	1,467.55
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	64,072.95	1,671.32
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	69,381.27	1,793.62
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	81,755.09	1,956.66
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	94,859.64	1,997.51
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	107,911.25	2,119.81
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,189.57	489.22
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,189.79	570.68
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,309.79	692.99
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,105.43	774.57
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	366.15	122.31
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	467.19	122.31
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	953.36	122.31
23 52 16 16-0026		Buderus GB162 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,305.11	896.87
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	12,615.45	937.60
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,949.62	1,100.63
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,423.14	1,100.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,570.30	1,182.21
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	27,043.82	1,182.21
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,223.26	1,385.97
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,031.99	1,467.55
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,171.12	1,549.01
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,782.48	1,549.01
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	50,045.58	1,589.86
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	50,656.94	1,589.86
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	774.01	122.31
23 52 16 16-0040		Buderus GB312 Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	14,530.00	896.87
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	16,902.88	978.33
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	21,089.43	1,080.21
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	24,206.75	1,182.21
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	28,891.40	1,304.52
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	31,894.15	1,426.82
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	506.71	61.15
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	283.39	61.15
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	396.15	61.15
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	814.95	61.15
23 52 16 19		**Copper Water-Tube Condensing Boilers** *(23 52 16)*		
23 52 16 19-0001		Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)* Note: Rated by gross rated output.		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	46,011.14	1,549.01
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	51,869.17	1,712.16
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	56,737.67	1,793.62
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	61,211.43	1,875.20
23 52 16 23		**Cast Iron Condensing Boilers** *(23 52 16)*		
23 52 16 23-0001		Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)* Note: Rated by gross rated output.		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	16,259.15	774.57
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	23,756.38	978.33
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	38,925.85	1,141.36
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	51,085.99	1,467.55
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	68,032.89	1,712.16
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	74,190.66	1,793.62
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	94,332.61	1,956.66
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	103,069.19	1,997.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23		**Cast-Iron Boilers** *(23 52)*		
23 52 23 00-0001		Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002		Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,209.34	3,712.53
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	19,848.12	3,960.03
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	21,636.62	4,207.54
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	23,303.70	4,455.04
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	24,847.47	4,702.54
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	26,940.49	4,950.05
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	28,570.55	5,197.54
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	29,876.06	5,445.04
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	31,176.94	5,692.55
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	32,670.57	5,940.05
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	12,280.87	503.78
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	13,631.48	503.78
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	15,638.10	629.73
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	17,015.25	629.73
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	18,777.47	755.67
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	20,598.76	755.67
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	22,444.78	881.62
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	23,966.75	1,007.56
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	24,982.15	1,007.56
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	26,689.88	1,133.51
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,998.47	3,712.53
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,778.33	3,960.03
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,481.62	4,207.54
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,377.76	4,455.04
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,950.86	4,702.54
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,222.66	4,950.05
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	29,671.15	5,197.54
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	31,081.41	5,445.04
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,383.69	5,692.55
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,915.02	5,940.05
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,070.01	503.78
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,561.69	503.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,483.11	629.73
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,089.31	629.73
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,880.86	755.67
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,880.93	755.67
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,545.38	881.62
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,172.10	1,007.56
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,188.90	1,007.56
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,934.34	1,133.51
23 52 23 00-0046		**Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		**Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	29,248.84	5,568.80
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	32,204.73	5,909.11
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	35,845.08	6,249.43
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	39,061.69	6,589.74
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	41,868.65	6,930.06
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	45,901.70	7,270.38
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	48,734.23	7,610.69
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	51,249.10	7,951.00
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	54,580.58	8,291.31
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	57,275.30	8,631.64
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	61,865.09	8,971.95
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	64,432.87	9,312.26
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	67,151.60	9,652.58
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	70,172.28	9,992.90
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	72,644.29	10,333.21
23 52 23 00-0063		**Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	22,464.34	881.62
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	25,482.17	1,007.56
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	29,201.15	1,133.51
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	32,466.21	1,259.45
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	34,829.43	1,259.45
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	38,928.30	1,385.40
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	41,320.84	1,385.40
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	43,897.35	1,511.34
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	46,789.91	1,511.34
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	49,546.60	1,637.29
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	52,218.04	1,763.24
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	54,346.61	1,763.24
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	57,128.40	1,889.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	59,708.10	1,889.18
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	62,271.95	2,015.13
23 52 23 00-0079		**Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	30,220.95	5,568.80
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	33,171.25	5,909.11
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	37,063.00	6,249.43
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	40,402.53	6,589.74
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	43,072.61	6,930.06
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	47,030.23	7,270.38
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	50,428.42	7,610.69
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	52,943.30	7,951.00
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	56,241.26	8,291.31
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	59,649.69	8,631.64
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	64,359.60	8,971.95
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	67,766.80	9,312.26
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	69,644.71	9,652.58
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	72,589.97	9,992.90
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	75,088.51	10,333.21
23 52 23 00-0095		**Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	23,436.44	881.62
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	26,448.68	1,007.56
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	30,405.10	1,133.51
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	33,807.05	1,259.45
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	36,036.18	1,259.45
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	40,056.83	1,385.40
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	43,015.04	1,385.40
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	45,591.54	1,511.34
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	48,450.59	1,511.34
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	51,927.97	1,637.29
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	54,712.54	1,763.24
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	56,283.83	1,763.24
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	59,621.51	1,889.18
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	62,125.79	1,889.18
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	64,688.24	2,015.13
23 52 23 00-0111		**Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		**Gas Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	78,191.67	10,828.21
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	84,682.34	11,446.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	90,620.90	12,065.73
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	96,437.72	12,684.48
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	102,307.99	13,303.23
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	109,972.20	13,922.00
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	115,510.27	14,540.75
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	120,872.95	15,159.50
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	129,524.33	15,778.26
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	134,883.97	16,397.01
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	139,498.71	17,015.76
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,852.82	17,634.53
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,255.83	18,253.28
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	161,799.79	18,872.03
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,481.00	19,490.79
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,686.28	20,109.55
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,033.05	20,728.30
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,529.94	21,347.06

23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*

23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	68,443.95	1,637.29
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	74,642.06	1,763.24
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	80,284.29	1,889.18
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	85,809.14	2,015.13
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	90,879.16	2,015.13
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,272.92	2,141.07
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	101,011.92	2,141.07
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	106,080.06	2,267.01
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	113,933.70	2,267.01
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	119,000.42	2,392.96
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	122,816.21	2,392.96
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	130,879.01	2,518.90
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	135,482.53	2,518.90
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	143,757.64	2,644.86
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	148,613.96	2,644.86
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	154,522.96	2,770.80
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	159,072.02	2,770.80
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	164,274.22	2,896.75

23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	74,023.92	10,828.21
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	80,514.58	11,446.97
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	88,383.39	12,065.73
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	93,696.00	12,684.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	99,222.68	13,303.23
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	106,502.80	13,922.00
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	112,300.65	14,540.75
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	117,666.12	15,159.50
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	127,314.75	15,778.26
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	132,675.79	16,397.01
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	138,034.96	17,015.76
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,862.59	17,634.53
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,265.61	18,253.28
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	162,034.43	18,872.03
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,714.25	19,490.79
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,799.41	20,109.55
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,146.18	20,728.30
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,651.46	21,347.06
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	64,049.93	1,637.29
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	70,248.04	1,763.24
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	77,820.51	1,889.18
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	82,841.15	2,015.13
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	87,567.59	2,015.13
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	92,577.25	2,141.07
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	97,576.04	2,141.07
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	102,644.18	2,267.01
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	111,497.86	2,267.01
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	116,563.18	2,392.96
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	121,126.20	2,392.96
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	130,662.52	2,518.90
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	135,266.04	2,518.90
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	143,738.08	2,644.86
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	148,620.95	2,644.86
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	154,409.83	2,770.80
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	158,958.88	2,770.80
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	164,169.47	2,896.75
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	79,501.78	10,828.21
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	85,993.84	11,446.97
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	92,289.96	12,065.73
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	98,247.84	12,684.48
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	104,085.99	13,303.23
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	110,628.65	13,922.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	117,690.52	14,540.75
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	123,396.78	15,159.50
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	132,267.45	15,778.26
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	137,627.09	16,397.01
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	142,339.59	17,015.76
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	150,788.68	17,634.53
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	157,588.40	18,253.28
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	166,880.98	18,872.03
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	172,520.29	19,490.79
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	178,985.36	20,109.55
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	184,333.52	20,728.30
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	189,834.61	21,347.06
23 52 23 00-0207		Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	69,856.01	1,637.29
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	76,055.52	1,763.24
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	82,059.49	1,889.18
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	87,722.62	2,015.13
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	92,760.52	2,015.13
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	97,031.33	2,141.07
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	103,294.13	2,141.07
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	108,704.46	2,267.01
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	116,780.18	2,267.01
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	121,844.10	2,392.96
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	125,759.05	2,392.96
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	133,916.83	2,518.90
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	139,918.45	2,518.90
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	148,914.25	2,644.86
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	153,756.61	2,644.86
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	159,924.00	2,770.80
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	164,474.45	2,770.80
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	169,682.25	2,896.75
23 52 33		**Water-Tube Boilers** *(23 52)*		
23 52 33 13		**Finned Water-Tube Boilers** *(23 52 33)*		
23 52 33 13-0001		Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,227.27	726.50
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	10,157.91	807.22
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,688.11	968.66
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	14,825.09	1,009.03
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	17,427.83	1,210.84
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	21,399.19	1,453.00
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	24,255.78	1,533.72
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	26,847.90	1,654.81
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	29,244.49	1,735.52
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	31,342.10	1,775.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0012		**Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler** *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,715.00	1,453.00
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	39,538.52	1,654.81
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	42,137.01	1,775.89
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	59,395.88	2,018.05
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	62,364.45	2,260.21
23 52 33 13-0018		**Lochinvar Copper-Fin II Finned Tube Boiler** *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,558.78	651.89
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	17,481.33	814.55
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	18,770.96	978.45
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	19,283.62	978.45
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	23,921.58	1,223.06
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	27,684.04	1,223.06
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	30,172.86	1,223.06
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	32,539.63	1,467.67
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	38,483.36	1,712.29
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0028		**Raypak Cupro-Nickel Finned-Tube Boiler With Pump** *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	14,061.13	896.01
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	15,140.05	807.22
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	16,833.57	968.66
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	17,868.24	1,099.65
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	19,848.42	1,210.84
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	21,347.81	1,303.29
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	24,390.84	1,453.00
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	28,342.22	1,533.72
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	30,072.35	1,654.81
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	35,950.67	1,695.16
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	36,072.97	1,735.52
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	42,210.22	1,775.89
23 52 33 16		**Steel Water-Tube Boilers** *(23 52 33)*		
23 52 33 16-0001		**Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler** *(23 52 33 16)* Note: Compliant with BAAQMD.		
23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	90,672.36	1,956.90
23 52 33 16-0003	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	97,522.99	2,446.12
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	99,315.88	2,690.74
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	106,980.95	2,935.35
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	110,650.87	3,302.27
23 52 33 16-0007	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	122,147.34	3,669.18
23 52 33 16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	127,284.68	3,791.49
23 52 33 16-0009		**Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler** *(23 52 33 16)* Note: Compliant with BAAQMD.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS)	105,839.76	2,201.51
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS)	111,139.84	2,568.43
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS)	114,238.66	2,813.04
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS)	127,773.64	3,057.65
23 52 33 16-0014	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS)	132,502.62	3,302.27
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS)	141,715.96	3,669.18
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS)	150,040.85	3,913.80
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS)	250,654.03	4,158.41
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)	271,364.84	4,403.02
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS)	285,552.79	4,647.63
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS)	292,891.37	4,892.25

23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	113,992.78	2,201.51
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	120,925.29	2,568.43
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	125,327.78	2,813.04
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	139,189.24	3,057.65
23 52 33 16-0026	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	143,918.22	3,302.27
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	151,501.42	3,669.18
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	160,145.94	3,913.80
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	260,112.99	4,158.41
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	282,456.24	4,403.02
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	291,424.97	4,647.63
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	303,982.77	4,892.25
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	338,065.82	5,136.86
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	489,076.58	5,381.47
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	513,865.06	5,626.08

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,839.69	3,022.69
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	96,015.63	3,274.58
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	100,525.35	3,526.47
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	108,707.21	3,778.36
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	113,550.72	4,030.25
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	118,310.96	4,282.14
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	131,600.37	4,534.03
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	152,287.21	5,037.82
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	173,324.65	5,541.59
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	190,148.03	6,108.35
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	206,971.56	6,675.10
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	217,584.52	7,808.61
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	265,168.89	8,942.12
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	313,921.65	10,075.63
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	363,176.77	11,335.08
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	411,301.32	12,279.67

23 52 39 Fire-Tube Boilers *(23 52)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13		**Scotch Marine Boilers** *(23 52 39)*		
23 52 39 13-0001		15 PSI Steam Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0002		15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,194.34	1,385.40
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,787.05	1,511.34
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,572.97	1,637.29
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,411.84	1,889.18
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,689.34	2,015.13
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,074.42	2,141.07
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,101.51	2,204.05
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,726.70	2,267.01
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,671.24	2,518.90
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,121.92	2,770.80
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	150,403.46	3,054.17
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,682.41	3,337.56
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,650.03	3,904.31
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,971.14	4,471.06
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,310.71	5,037.82
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,639.54	5,604.57
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	325,061.78	6,171.32
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	380,280.58	6,738.08
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,145.09	7,304.83
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	483,889.42	7,871.58
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	753,398.52	8,438.34
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	819,727.91	9,005.09
23 52 39 13-0025		15 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,838.87	1,385.40
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,028.48	1,511.34
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,313.66	1,637.29
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,417.38	1,889.18
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,157.41	2,015.13
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,891.53	2,141.07
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,382.65	2,204.05
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,346.49	2,267.01
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,784.74	2,518.90
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,245.44	2,770.80
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	150,540.33	3,054.17
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,832.63	3,337.56
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,806.93	3,904.31
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	210,164.76	4,471.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,517.68	5,037.82
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,886.58	5,604.57
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	325,362.23	6,171.32
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	380,634.44	6,738.08
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,549.03	7,304.83
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	484,343.43	7,871.58
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	754,116.21	8,438.34
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	820,513.04	9,005.09
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,538.33	1,385.40
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,307.46	1,511.34
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,307.04	1,637.29
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,810.23	1,889.18
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,813.98	2,015.13
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,811.82	2,141.07
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,563.33	2,204.05
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,315.73	2,267.01
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,398.27	2,518.90
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,503.26	2,770.80
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,305.57	3,054.17
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	170,101.96	3,337.56
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,356.68	3,904.31
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	218,176.68	4,471.06
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	236,157.20	5,037.82
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	278,115.13	5,604.57
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	337,890.87	6,171.32
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	395,369.69	6,738.08
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	450,397.43	7,304.83
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	503,211.50	7,871.58
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	784,133.88	8,438.34
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	853,199.16	9,005.09
23 52 39 13-0071		**125 PSI Water Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		**125 PSI Gas Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,648.74	1,511.34
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,236.99	1,637.29
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,464.23	1,889.18
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,293.68	2,015.13
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	120,287.46	2,141.07
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,646.19	2,204.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,357.45	2,267.01
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,292.69	2,518.90
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,485.19	2,770.80
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,652.10	3,054.17
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,653.55	3,337.56
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,636.19	3,904.31
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	247,573.75	4,471.06
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,849.53	5,037.82
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	297,734.32	5,604.57
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,768.24	6,171.32
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	422,273.05	6,738.08
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	481,156.52	7,304.83
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	537,662.75	7,871.58
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	838,938.29	8,438.34
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	912,878.07	9,005.09
23 52 39 13-0094		**125 PSI Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,265.91	1,511.34
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,052.97	1,637.29
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,915.62	1,889.18
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,997.29	2,015.13
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,069.70	2,141.07
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,895.78	2,204.05
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,252.83	2,267.01
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,429.56	2,518.90
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,632.08	2,770.80
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,809.00	3,054.17
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,817.13	3,337.56
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,833.15	3,904.31
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	247,804.09	4,471.06
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	267,096.56	5,037.82
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	298,011.40	5,604.57
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	361,105.41	6,171.32
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	422,670.31	6,738.08
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	481,610.53	7,304.83
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	538,170.18	7,871.58
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	839,742.68	8,438.34
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	913,754.71	9,005.09
23 52 39 13-0116		**125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,439.56	1,511.34
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,374.99	1,637.29
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,486.88	1,889.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,099.34	2,015.13
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,705.88	2,141.07
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	131,066.09	2,204.05
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	138,427.19	2,267.01
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	152,111.34	2,518.90
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	165,821.28	2,770.80
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	176,375.43	3,054.17
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,587.20	3,337.56
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	221,052.04	3,904.31
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	257,385.01	4,471.06
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	277,385.21	5,037.82
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	309,495.15	5,604.57
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	375,126.27	6,171.32
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	439,158.18	6,738.08
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	500,461.91	7,304.83
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	559,281.58	7,871.58
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	873,329.53	8,438.34
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	950,323.10	9,005.09
23 52 39 13-0138		**150 PSI Steam Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		**150 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,609.51	1,511.34
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,278.24	1,637.29
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,968.37	1,889.18
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,377.55	2,015.13
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,927.70	2,141.07
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,789.37	2,204.05
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,026.96	2,267.01
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,853.94	2,518.90
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,931.51	2,770.80
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,858.47	3,054.17
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,782.84	3,337.56
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,760.12	3,904.31
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,600.21	4,471.06
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	289,435.22	5,037.82
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	341,212.34	5,604.57
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	415,185.87	6,171.32
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	486,268.27	6,738.08
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	554,325.38	7,304.83
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	619,611.34	7,871.58
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	969,297.46	8,438.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,054,816.59	9,005.09
23 52 39 13-0161		**150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,121.71	1,511.34
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,142.80	1,637.29
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,072.57	1,889.18
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,787.39	2,015.13
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,492.95	2,141.07
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,952.18	2,204.05
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,929.01	2,267.01
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,997.48	2,518.90
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,095.08	2,770.80
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	192,038.74	3,054.17
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,979.80	3,337.56
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,963.76	3,904.31
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,850.58	4,471.06
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	289,705.62	5,037.82
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	341,532.82	5,604.57
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	415,576.45	6,171.32
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	486,728.95	6,738.08
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	554,849.49	7,304.83
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	620,198.88	7,871.58
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	970,231.90	8,438.34
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,055,837.73	9,005.09
23 52 39 13-0183		**150 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,884.38	1,511.34
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,833.53	1,637.29
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,384.94	1,889.18
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,440.26	2,015.13
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,486.33	2,141.07
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,289.40	2,204.05
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	138,090.03	2,267.01
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,996.41	2,518.90
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	181,928.58	2,770.80
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,529.88	3,054.17
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	217,131.93	3,337.56
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	228,479.76	3,904.31
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	278,266.08	4,471.06
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	300,935.66	5,037.82
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	354,829.26	5,604.57
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	431,867.35	6,171.32
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	505,884.12	6,738.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	576,752.08	7,304.83
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	644,728.71	7,871.58
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,009,251.99	8,438.34
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,098,325.84	9,005.09

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,387.61	1,528.72
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,010.18	1,800.99
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,588.18	1,864.08
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,864.78	1,932.47
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,385.08	2,065.29
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,768.87	2,237.95
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,633.29	2,390.69
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	19,063.55	2,722.73
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,961.92	2,921.96
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	22,577.80	3,121.18

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,065.93	1,303.32
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,525.58	1,528.72
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,738.00	1,800.99
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,666.64	1,864.08
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,895.19	1,932.47
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,507.29	2,065.29
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,075.55	2,237.95
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,617.20	2,390.69
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	22,661.16	2,560.16
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	24,377.82	2,722.73
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	26,078.52	2,921.96
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	28,132.13	3,121.18

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	12,615.88	1,800.99
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	16,386.90	2,063.30
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	21,551.69	2,361.48
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	25,902.31	2,724.06
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	27,496.50	2,921.96
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	29,017.84	3,121.18
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	32,325.69	3,586.17
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	41,699.40	4,117.57
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	54,016.10	4,757.74
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	68,284.93	5,461.40
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	87,350.97	6,283.54

23 53 16 00-0038 Duplex Vacuum Condensate Pumps *(23 53 16)*

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,288.55	1,062.53
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	35,066.99	1,128.94
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,962.80	1,195.35
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,739.61	1,261.75
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	47,145.25	1,328.16
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,625.76	1,394.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54		**Furnaces** *(23 50)*		
		Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
23 54 13		**Electric-Resistance Furnaces** *(23 54)*		
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,322.74	133.41
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,743.26	166.77
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,248.33	200.12
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,322.74	133.41
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,577.92	150.09
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,725.64	166.77
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,809.98	183.45
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,248.33	200.12
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	231.37	33.63
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	264.18	36.99
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	286.45	40.35
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	387.97	43.71
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	419.03	47.07
23 54 16		**Fuel-Fired Furnaces** *(23 54)*		
23 54 16 13		**Gas-Fired Furnaces** *(23 54 16)*		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces *(23 54 16 13)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,038.12	116.73
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,175.26	133.41
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,507.94	150.09
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,935.51	183.45
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,134.32	200.12
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,263.56	116.73
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,481.74	133.41
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,636.11	150.09
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,241.08	166.77
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,113.41	183.45
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,285.80	200.12
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,999.28	116.73
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,294.96	133.41
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,498.83	166.77
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,671.23	183.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0020		**Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,608.79	116.73
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,753.00	133.41
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,066.30	150.09
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,358.25	183.45
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,601.09	200.12
23 54 16 13-0026		**Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,823.21	116.73
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,926.90	133.41
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,150.37	150.09
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,167.99	150.09
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,366.79	166.77
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,498.69	183.45
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,651.69	200.12
23 54 16 13-0034		**Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,282.46	116.73
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,405.53	133.41
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,606.10	150.09
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,607.86	150.09
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,766.16	166.77
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,818.78	183.45
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,019.35	200.12
23 54 16 13-0042		**Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,300.07	116.73
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,410.81	133.41
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,685.36	150.09
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,855.99	166.77
23 54 16 13-0047		**75% AFUE Gas Wall/Recessed Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,163.31	100.06
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,501.16	125.15
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,960.75	100.06
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	2,096.27	108.46
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	2,082.07	116.73
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	2,147.21	125.15
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,221.32	125.15
23 54 16 13-0055		**Gas Fired Indoor Duct Furnace** *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		**Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace** *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,848.01	260.16
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,172.55	320.19
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,601.53	460.28
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,062.12	520.31
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,734.60	600.36
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,203.17	720.43
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,936.28	960.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,189.78	260.16
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,509.21	320.19
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,064.02	460.28
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,607.92	520.31
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,676.58	600.36
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,225.07	720.43
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,902.05	960.58

23 54 16 16 Oil-Fired Furnaces *(23 54 16)*

23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,478.69	133.41
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,717.57	183.45
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,293.09	216.80
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	4,045.19	183.45
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,094.05	216.80
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,509.73	183.45
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,166.26	216.80

23 54 19 Furnace Accessories *(23 54)*

23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	226.43	33.35
23 54 19 00-0002	EA	1" Furnace External Filter Rack	68.48	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	617.66	

23 55 Fuel-Fired Heaters *(23 50)*

23 55 23 Gas-Fired Radiant Heaters *(23 55)*

23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters *(23 55 23)*

23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)* Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)* Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,068.49	132.82
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,183.91	146.09
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,264.13	146.09
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,583.80	175.32
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,597.32	175.32
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)* Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,210.18	146.76
		For Stainless Steel Housing, Add	*191.37*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,292.62	146.76
		For Stainless Steel Housing, Add	*211.98*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,386.83	146.76
		For Stainless Steel Housing, Add	*235.53*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,500.09	146.76
		For Stainless Steel Housing, Add	*263.85*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,636.30	160.10
		For Stainless Steel Housing, Add	*294.00*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,747.19	173.44
		For Stainless Steel Housing, Add	*316.62*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,795.69	186.78
		For Stainless Steel Housing, Add	*565.38*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0016		Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)* Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	98.93	6.64
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	114.20	7.97
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	139.43	9.30
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	80.47	5.31
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	102.32	6.64
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	124.15	7.97
23 55 33		**Fuel-Fired Unit Heaters** *(23 55)*		
23 55 33 13		**Oil-Fired Unit Heaters** *(23 55 33)*		
23 55 33 13-0001		Oil Fired Unit Heater *(23 55 33 13)*		
23 55 33 13-0002		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 13-0001)*		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,431.80	611.53
		For 3 Phase, 460 Volt, Add	*671.93*	
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,911.15	672.68
		For 3 Phase, 460 Volt, Add	*718.01*	
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,431.42	733.84
		For 3 Phase, 460 Volt, Add	*769.29*	
23 55 33 16		**Gas-Fired Unit Heaters** *(23 55 33)*		
23 55 33 16-0001		Gas Fired Unit Heaters *(23 55 33 16)*		
23 55 33 16-0002		Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase *(23 55 33 16-0001)* Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,921.63	229.33
		For 90 Percent Efficiency, Add	*825.11*	
		For Stainless Steel Heat Exchanger, Add	*215.51*	
		For 30 Degree, Downward Air Deflection Hood, Add	*59.11*	
		For 60 Degree, Downward Air Deflection Hood, Add	*94.83*	
		For 90 Degree, Downward Air Deflection Hood, Add	*141.62*	
		For 3 Phase, 460 Volt, Add	*317.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,182.62	275.19
		For 90 Percent Efficiency, Add	*881.82*	
		For Stainless Steel Heat Exchanger, Add	*230.33*	
		For 30 Degree, Downward Air Deflection Hood, Add	*63.17*	
		For 60 Degree, Downward Air Deflection Hood, Add	*101.34*	
		For 90 Degree, Downward Air Deflection Hood, Add	*151.36*	
		For 3 Phase, 460 Volt, Add	*339.57*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,234.21	275.19
		For Blower Unit Model, Add	*254.97*	
		For 90 Percent Efficiency, Add	*899.10*	
		For Stainless Steel Heat Exchanger, Add	*234.84*	
		For 30 Degree, Downward Air Deflection Hood, Add	*64.41*	
		For 60 Degree, Downward Air Deflection Hood, Add	*103.33*	
		For 90 Degree, Downward Air Deflection Hood, Add	*154.32*	
		For 3 Phase, 460 Volt, Add	*346.22*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,520.04	321.05
		For Blower Unit Model, Add	*273.41*	
		For 90 Percent Efficiency, Add	*964.11*	
		For Stainless Steel Heat Exchanger, Add	*251.82*	
		For 30 Degree, Downward Air Deflection Hood, Add	*69.07*	
		For 60 Degree, Downward Air Deflection Hood, Add	*110.80*	
		For 90 Degree, Downward Air Deflection Hood, Add	*165.48*	
		For 3 Phase, 460 Volt, Add	*371.26*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,863.60	366.92
		For Blower Unit Model, Add	*297.33*	
		For 90 Percent Efficiency, Add	*1,048.49*	
		For Stainless Steel Heat Exchanger, Add	*273.86*	
		For 30 Degree, Downward Air Deflection Hood, Add	*75.12*	
		For 60 Degree, Downward Air Deflection Hood, Add	*120.50*	
		For 90 Degree, Downward Air Deflection Hood, Add	*179.96*	
		For 3 Phase, 460 Volt, Add	*403.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,148.92	389.85
		For Blower Unit Model, Add	*320.08*	
		For 90 Percent Efficiency, Add	*1,128.72*	
		For Stainless Steel Heat Exchanger, Add	*294.81*	
		For 30 Degree, Downward Air Deflection Hood, Add	*80.86*	
		For 60 Degree, Downward Air Deflection Hood, Add	*129.72*	
		For 90 Degree, Downward Air Deflection Hood, Add	*193.74*	
		For 3 Phase, 460 Volt, Add	*434.64*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,279.00	389.85
		For Blower Unit Model, Add	*332.44*	
		For 90 Percent Efficiency, Add	*1,172.30*	
		For Stainless Steel Heat Exchanger, Add	*306.20*	
		For 30 Degree, Downward Air Deflection Hood, Add	*83.99*	
		For 60 Degree, Downward Air Deflection Hood, Add	*134.73*	
		For 90 Degree, Downward Air Deflection Hood, Add	*201.21*	
		For 3 Phase, 460 Volt, Add	*451.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,397.79	389.85
		For Blower Unit Model, Add	*343.73*	
		For 90 Percent Efficiency, Add	*1,212.09*	
		For Stainless Steel Heat Exchanger, Add	*316.59*	
		For 30 Degree, Downward Air Deflection Hood, Add	*86.84*	
		For 60 Degree, Downward Air Deflection Hood, Add	*139.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*208.05*	
		For 3 Phase, 460 Volt, Add	*466.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,987.59	412.79
		For Blower Unit Model, Add	*395.40*	
		For 90 Percent Efficiency, Add	*1,394.30*	
		For Stainless Steel Heat Exchanger, Add	*364.18*	
		For 30 Degree, Downward Air Deflection Hood, Add	*99.89*	
		For 60 Degree, Downward Air Deflection Hood, Add	*160.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*239.32*	
		For 3 Phase, 460 Volt, Add	*536.91*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,495.46	412.79
		For Blower Unit Model, Add	*443.65*	
		For 90 Percent Efficiency, Add	*1,564.44*	
		For Stainless Steel Heat Exchanger, Add	*408.62*	
		For 30 Degree, Downward Air Deflection Hood, Add	*112.08*	
		For 60 Degree, Downward Air Deflection Hood, Add	*179.79*	
		For 90 Degree, Downward Air Deflection Hood, Add	*268.52*	
		For 3 Phase, 460 Volt, Add	*602.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,916.62	412.79
		For Blower Unit Model, Add	*483.66*	
		For 90 Percent Efficiency, Add	*1,705.53*	
		For Stainless Steel Heat Exchanger, Add	*445.47*	
		For 30 Degree, Downward Air Deflection Hood, Add	*122.19*	
		For 60 Degree, Downward Air Deflection Hood, Add	*196.01*	
		For 90 Degree, Downward Air Deflection Hood, Add	*292.74*	
		For 3 Phase, 460 Volt, Add	*656.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,094.45	458.65
		For Blower Unit Model, Add	*586.82*	
		For 90 Percent Efficiency, Add	*2,069.32*	
		For Stainless Steel Heat Exchanger, Add	*540.49*	
		For 30 Degree, Downward Air Deflection Hood, Add	*148.25*	
		For 60 Degree, Downward Air Deflection Hood, Add	*237.82*	
		For 90 Degree, Downward Air Deflection Hood, Add	*355.18*	
		For 3 Phase, 460 Volt, Add	*796.84*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,048.26	458.65
		For Blower Unit Model, Add	*677.43*	
		For 90 Percent Efficiency, Add	*2,388.84*	
		For Stainless Steel Heat Exchanger, Add	*623.95*	
		For 30 Degree, Downward Air Deflection Hood, Add	*171.14*	
		For 60 Degree, Downward Air Deflection Hood, Add	*274.54*	
		For 90 Degree, Downward Air Deflection Hood, Add	*410.03*	
		For 3 Phase, 460 Volt, Add	*919.88*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,627.13	504.51
		For Blower Unit Model, Add	*723.72*	
		For 90 Percent Efficiency, Add	*2,552.06*	
		For Stainless Steel Heat Exchanger, Add	*666.58*	
		For 30 Degree, Downward Air Deflection Hood, Add	*182.83*	
		For 60 Degree, Downward Air Deflection Hood, Add	*293.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*438.04*	
		For 3 Phase, 460 Volt, Add	*982.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	763.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,029.33	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	22,976.40	2,125.06
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	30,954.63	2,257.88
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	41,657.34	2,768.87

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,672.63	332.04
		For Bronze Head And Tube Sheet, Add	*1,003.46*	
		For Copper Nickel Tubes, Add	*222.99*	
		For Double Wall Tube Bundles, Add	*334.49*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,907.99	332.04
		For Bronze Head And Tube Sheet, Add	*1,519.52*	
		For Copper Nickel Tubes, Add	*337.67*	
		For Double Wall Tube Bundles, Add	*506.51*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,888.44	464.86
		For Bronze Head And Tube Sheet, Add	*2,350.96*	
		For Copper Nickel Tubes, Add	*522.44*	
		For Double Wall Tube Bundles, Add	*783.65*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,292.13	464.86
		For Bronze Head And Tube Sheet, Add	*3,583.79*	
		For Copper Nickel Tubes, Add	*796.40*	
		For Double Wall Tube Bundles, Add	*1,194.60*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,236.35	547.20
		For Bronze Head And Tube Sheet, Add	*4,759.27*	
		For Copper Nickel Tubes, Add	*1,057.62*	
		For Double Wall Tube Bundles, Add	*1,586.42*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,068.59	686.43
		For Bronze Head And Tube Sheet, Add	*6,250.12*	
		For Copper Nickel Tubes, Add	*1,388.92*	
		For Double Wall Tube Bundles, Add	*2,083.37*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,844.30	1,030.28
		For Bronze Head And Tube Sheet, Add	*7,654.97*	
		For Copper Nickel Tubes, Add	*1,701.10*	
		For Double Wall Tube Bundles, Add	*2,551.66*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,045.66	1,030.28
		For Bronze Head And Tube Sheet, Add	*11,926.84*	
		For Copper Nickel Tubes, Add	*2,650.41*	
		For Double Wall Tube Bundles, Add	*3,975.61*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,213.57	332.04
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,598.74	332.04
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,462.95	398.45
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,126.65	431.65
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	11,078.96	431.65
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,435.21	464.86
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,214.37	464.86
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,810.00	531.27
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	23,011.65	597.67
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	23,877.38	597.67
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	29,552.86	695.44
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	35,667.87	764.86
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	41,176.71	834.26

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,182.33	332.04
		For Copper Nickel Tubes, Add	*273.96*	
		For Double Wall Tube Bundles, Add	*410.94*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,417.69	332.04
		For Copper Nickel Tubes, Add	*388.64*	
		For Double Wall Tube Bundles, Add	*582.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,589.27	464.86
		For Copper Nickel Tubes, Add	*592.52*	
		For Double Wall Tube Bundles, Add	*888.78*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,422.81	464.86
		For Copper Nickel Tubes, Add	*853.74*	
		For Double Wall Tube Bundles, Add	*1,280.61*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,667.36	531.27
		For Copper Nickel Tubes, Add	*1,051.24*	
		For Double Wall Tube Bundles, Add	*1,576.87*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,542.07	531.27
		For Copper Nickel Tubes, Add	*1,414.40*	
		For Double Wall Tube Bundles, Add	*2,121.60*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,251.06	515.13
		For Copper Nickel Tubes, Add	*1,758.44*	
		For Double Wall Tube Bundles, Add	*2,637.67*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	23,940.60	515.13
		For Copper Nickel Tubes, Add	*2,191.68*	
		For Double Wall Tube Bundles, Add	*3,287.53*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,608.86	515.13
		For Copper Nickel Tubes, Add	*2,803.32*	
		For Double Wall Tube Bundles, Add	*4,204.98*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,597.96	265.63
		For Copper Nickel Tubes, Add	*306.67*	
		For Double Wall Tube Bundles, Add	*460.00*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,558.56	442.68
		For Copper Nickel Tubes, Add	*867.31*	
		For Double Wall Tube Bundles, Add	*1,300.97*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	12,877.81	577.48
		For Copper Nickel Tubes, Add	*1,172.49*	
		For Double Wall Tube Bundles, Add	*1,758.73*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,822.69	699.01
		For Copper Nickel Tubes, Add	*1,242.76*	
		For Double Wall Tube Bundles, Add	*1,864.13*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,656.92	818.17
		For Copper Nickel Tubes, Add	*1,499.42*	
		For Double Wall Tube Bundles, Add	*2,249.13*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	957.19	125.92
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,151.77	125.92
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,571.47	157.33
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,972.80	157.33
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,216.03	157.33
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,242.80	163.69
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,256.99	163.69
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,480.82	176.27
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,668.16	188.87
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,912.23	201.46
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,329.78	201.46
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,744.11	214.05
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,817.97	226.64
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,879.17	232.88
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	5,377.58	1,219.10
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,340.86	1,393.20
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	11,304.34	1,567.42
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	15,132.49	1,697.92
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	18,961.04	1,828.65
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	22,753.24	2,194.38
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	27,527.85	2,358.53
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	32,120.98	2,493.63
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	42,330.19	2,813.34
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	50,143.62	2,887.12
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	63,090.41	2,960.79
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	66,318.03	2,997.74
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	69,409.12	3,034.57
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	75,192.83	3,108.23
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	80,438.62	3,182.14
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	85,729.55	3,483.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	89,898.26	3,561.48
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	93,481.61	3,606.83
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	96,624.29	3,718.41
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	99,179.61	3,796.37
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	101,773.13	3,900.40
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	104,272.39	3,942.34
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	106,807.93	4,007.58
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	109,666.02	4,277.86
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	112,459.69	4,508.47

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,149.97	125.92
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,188.20	125.92
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,289.38	157.33
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,327.58	157.33
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,346.69	157.33
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,389.86	163.69
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,431.91	163.69
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,537.35	176.27
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,638.99	188.87
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,778.80	201.46
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,855.25	201.46
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,995.06	214.05
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,364.25	226.64
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,587.02	232.88

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,284.92	626.97
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,198.59	783.70
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	10,305.58	954.10
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,112.64	1,097.19
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,482.58	1,219.10
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	16,059.46	1,371.49
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,745.43	1,567.42
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	26,624.79	1,567.42
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	32,870.50	1,828.65
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,993.69	1,959.27
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,084.72	2,053.29
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	40,185.93	2,154.72
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,320.17	2,163.08
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,403.15	2,264.86
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,505.87	2,358.53

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,553.63	201.22
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,629.36	214.17
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,670.01	226.52
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,702.89	232.99
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,110.33	294.19
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	4,005.59	441.27
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,584.14	514.82
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	5,137.26	588.37
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	6,208.08	706.04
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,315.79	794.30
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,575.56	882.55
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	12,078.60	1,176.73
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	13,632.76	1,470.92
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	14,597.05	1,765.11

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	47,017.79	2,997.74
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	48,444.04	3,034.57
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	51,535.41	3,108.23
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	54,594.87	3,182.14
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	58,758.78	3,483.52
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	62,340.75	3,561.48
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	65,842.23	3,606.83
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	69,472.65	3,718.41
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	73,058.00	3,796.37
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	78,098.03	3,900.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	81,626.71	3,942.34
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	83,272.46	4,007.58
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	93,460.37	4,277.86
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	103,504.29	4,508.47

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,768.80	1,087.30
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	17,125.73	1,164.96
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	30,007.86	1,242.64
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,534.21	1,320.30
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,142.28	1,397.96
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	46,704.56	1,553.29
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	48,026.14	1,711.60
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	51,728.49	1,994.67
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	55,197.29	2,160.89
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	63,255.60	2,327.11
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	71,512.07	2,576.45
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	75,583.46	2,680.36
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	85,329.81	2,847.87
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	93,263.49	3,015.40

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,419.46	1,087.30
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	15,137.41	1,164.96
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,575.35	1,242.64
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,460.57	1,320.30
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,345.78	1,397.96
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	32,401.71	1,553.29
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	36,658.69	1,711.60
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,050.10	1,994.67
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	52,765.27	2,160.89
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	57,103.78	2,327.11
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	65,669.13	2,576.45
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	69,555.19	2,680.36
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	76,294.95	2,847.87
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	86,993.34	3,015.40

23 62 13 00-0031 Packaged Chiller With Remote Air-Cooled Condenser *(23 62 13)*

Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	55,208.89	9,691.51
		For Gas Fired Engine Driven, Add	*9,588.79*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	62,479.34	10,215.36
		For Gas Fired Engine Driven, Add	*10,964.34*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	72,673.96	11,116.61
		For Gas Fired Engine Driven, Add	*12,868.13*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	81,379.77	11,811.47
		For Gas Fired Engine Driven, Add	*14,505.12*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	102,077.29	13,033.33
		For Gas Fired Engine Driven, Add	*18,461.44*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	112,797.50	13,498.75
		For Gas Fired Engine Driven, Add	*20,535.69*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	122,607.99	14,537.14
		For Gas Fired Engine Driven, Add	*22,342.11*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	149,480.12	15,554.25
		For Gas Fired Engine Driven, Add	*27,534.91*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	151,286.02	15,871.70
		For Gas Fired Engine Driven, Add	*27,877.63*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	153,941.89	16,561.84
		For Gas Fired Engine Driven, Add	*28,305.34*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	171,053.90	17,314.67
		For Gas Fired Engine Driven, Add	*31,614.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	189,485.26	18,139.21
		For Gas Fired Engine Driven, Add	*35,177.54*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	210,332.94	19,046.12
		For Gas Fired Engine Driven, Add	*39,211.10*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	227,557.17	20,048.59
		For Gas Fired Engine Driven, Add	*42,505.66*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	251,335.19	21,162.36
		For Gas Fired Engine Driven, Add	*47,094.27*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001 Water Cooled Condensing Units *(23 62 23)*

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,489.52	850.03
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,874.29	1,241.41
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,736.86	1,345.37
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,271.76	1,614.44
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	19,744.49	1,899.42
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	41,742.92	2,783.07
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	51,804.12	3,358.92
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	71,620.46	3,675.18

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,541.03	850.03
		For >10 To 25, Deduct	*-187.61*	
		For >25 To 50, Deduct	*-312.68*	
		For >50, Deduct	*-500.29*	
		For Low Ambient Protection, 0 Degree F, Add	*1,134.83*	
		For Winter Start Control, Add	*378.89*	
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,033.16	1,009.03
		For >10 To 25, Deduct	*-225.13*	
		For >25 To 50, Deduct	*-375.22*	
		For >50, Deduct	*-600.35*	
		For Low Ambient Protection, 0 Degree F, Add	*982.55*	
		For Winter Start Control, Add	*302.97*	
23 63 13 00-0004	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,753.09	1,241.41
		For >10 To 25, Deduct	*-296.14*	
		For >25 To 50, Deduct	*-493.57*	
		For >50, Deduct	*-789.72*	
		For Low Ambient Protection, 0 Degree F, Add	*1,161.41*	
		For Winter Start Control, Add	*385.59*	
23 63 13 00-0005	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,573.23	1,291.55
		For >10 To 25, Deduct	*-378.49*	
		For >25 To 50, Deduct	*-630.82*	
		For >50, Deduct	*-1,009.31*	
		For Low Ambient Protection, 0 Degree F, Add	*1,372.37*	
		For Winter Start Control, Add	*448.02*	
23 63 13 00-0006	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	17,399.64	1,345.37
		For >10 To 25, Deduct	*-460.84*	
		For >25 To 50, Deduct	*-768.06*	
		For >50, Deduct	*-1,228.90*	
		For Low Ambient Protection, 0 Degree F, Add	*1,431.28*	
		For Winter Start Control, Add	*357.46*	
23 63 13 00-0007	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	22,440.87	1,614.44
		For >10 To 25, Deduct	*-599.84*	
		For >25 To 50, Deduct	*-999.74*	
		For >50, Deduct	*-1,599.58*	
		For Low Ambient Protection, 0 Degree F, Add	*1,811.22*	
		For Winter Start Control, Add	*444.56*	
23 63 13 00-0008	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,545.00	1,736.75
		For >10 To 25, Deduct	*-687.48*	
		For >25 To 50, Deduct	*-1,145.79*	
		For >50, Deduct	*-1,833.27*	
		For Low Ambient Protection, 0 Degree F, Add	*1,917.65*	
		For Winter Start Control, Add	*492.07*	
23 63 13 00-0009	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	29,309.76	1,895.75
		For >10 To 25, Deduct	*-793.24*	
		For >25 To 50, Deduct	*-1,322.07*	
		For >50, Deduct	*-2,115.31*	
		For Low Ambient Protection, 0 Degree F, Add	*2,039.16*	
		For Winter Start Control, Add	*551.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0010	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	40,306.22	2,213.80
		For >10 To 25, Deduct	*-1,106.76*	
		For >25 To 50, Deduct	*-1,844.60*	
		For >50, Deduct	*-2,951.37*	
		For Low Ambient Protection, 0 Degree F, Add	*2,698.14*	
		For Winter Start Control, Add	*710.34*	
23 63 13 00-0011	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	48,927.70	2,783.07
		For >10 To 25, Deduct	*-1,339.07*	
		For >25 To 50, Deduct	*-2,231.78*	
		For >50, Deduct	*-3,570.85*	
		For Low Ambient Protection, 0 Degree F, Add	*2,858.44*	
		For Winter Start Control, Add	*652.39*	
23 63 13 00-0012	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	56,407.02	3,071.65
		For >10 To 25, Deduct	*-1,553.85*	
		For >25 To 50, Deduct	*-2,589.75*	
		For >50, Deduct	*-4,143.60*	
		For Low Ambient Protection, 0 Degree F, Add	*3,224.82*	
		For Winter Start Control, Add	*720.18*	
23 63 13 00-0013	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	73,172.29	3,358.92
		For >10 To 25, Deduct	*-2,039.77*	
		For >25 To 50, Deduct	*-3,399.61*	
		For >50, Deduct	*-5,439.38*	
		For Low Ambient Protection, 0 Degree F, Add	*4,014.71*	
		For Winter Start Control, Add	*857.97*	
23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	101,093.93	3,024.34
		For >10 To 25, Deduct	*-2,848.12*	
		For >25 To 50, Deduct	*-4,746.86*	
		For >50, Deduct	*-7,594.98*	
		For Low Ambient Protection, 0 Degree F, Add	*4,387.28*	
		For Winter Start Control, Add	*1,090.35*	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	124,722.17	3,126.87
		For >10 To 25, Deduct	*-3,550.70*	
		For >25 To 50, Deduct	*-5,917.84*	
		For >50, Deduct	*-9,468.54*	
		For Low Ambient Protection, 0 Degree F, Add	*5,142.04*	

23 63 13 00-0016 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,673.76	433.95
		For >10 To 25, Deduct	*-60.69*	
		For >25 To 50, Deduct	*-101.14*	
		For >50, Deduct	*-161.83*	
		For 15 SEER, Add	*485.48*	
		For 16 SEER, Add	*829.36*	
		For 18 SEER, Add	*1,739.64*	
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,874.97	482.41
		For >10 To 25, Deduct	*-64.55*	
		For >25 To 50, Deduct	*-107.59*	
		For >50, Deduct	*-172.14*	
		For 15 SEER, Add	*516.41*	
		For 16 SEER, Add	*882.21*	
		For 18 SEER, Add	*1,850.48*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,049.96	530.65
		For >10 To 25, Deduct	*-67.63*	
		For >25 To 50, Deduct	*-112.72*	
		For >50, Deduct	*-180.35*	
		For 15 SEER, Add	*541.05*	
		For 16 SEER, Add	*924.30*	
		For 18 SEER, Add	*1,938.78*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,504.58	578.60
		For >10 To 25, Deduct	*-79.10*	
		For >25 To 50, Deduct	*-131.83*	
		For >50, Deduct	*-210.93*	
		For 15 SEER, Add	*632.80*	
		For 16 SEER, Add	*1,081.04*	
		For 18 SEER, Add	*2,267.54*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,710.15	627.13
		For >10 To 25, Deduct	*-83.10*	
		For >25 To 50, Deduct	*-138.50*	
		For >50, Deduct	*-221.59*	
		For 15 SEER, Add	*664.78*	
		For 16 SEER, Add	*1,135.67*	
		For 18 SEER, Add	*2,382.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit	4,136.37	675.37
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-93.71*	
		For >25 To 50, Deduct	*-156.19*	
		For >50, Deduct	*-249.91*	
		For 15 SEER, Add	*749.72*	
		For 16 SEER, Add	*1,280.77*	
		For 18 SEER, Add	*2,686.49*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit	4,670.61	723.25
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-107.57*	
		For >25 To 50, Deduct	*-179.29*	
		For >50, Deduct	*-286.86*	
		For 15 SEER, Add	*860.58*	
		For 16 SEER, Add	*1,470.15*	
		For 18 SEER, Add	*3,083.74*	
23 63 13 00-0024		Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*		
		Note: Includes storage and cleaning.		
23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	444.71	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	1,667.66	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	2,569.46	
23 63 23		**Water-Cooled Refrigerant Condensers** *(23 63)*		
23 63 23 00-0001		Water Cooled Condensers *(23 63 23)*		
		Note: Steel shell and copper tube type. Includes equipment rigging.		
23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type	22,706.21	462.46
		For Saddle Legs, Add	*1,749.41*	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type	29,488.66	621.31
		For Saddle Legs, Add	*2,269.51*	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type	38,645.01	776.65
		For Saddle Legs, Add	*2,978.73*	
		For Dual Compressor, Add	*1,873.41*	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type	40,365.57	944.92
		For Saddle Legs, Add	*3,095.18*	
		For Dual Compressor, Add	*1,946.65*	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type	48,098.62	1,208.51
		For Saddle Legs, Add	*3,678.32*	
		For Dual Compressor, Add	*2,313.41*	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type	54,978.06	1,359.13
		For Saddle Legs, Add	*4,207.04*	
		For Dual Compressor, Add	*2,645.94*	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type	67,058.42	1,553.29
		For Saddle Legs, Add	*5,144.04*	
		For Dual Compressor, Add	*3,235.25*	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type	82,946.92	1,812.17
		For Saddle Legs, Add	*6,376.00*	
		For Dual Compressor, Add	*4,010.06*	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type	134,168.43	2,338.18
		For Saddle Legs, Add	*10,384.85*	
		For Dual Compressor, Add	*6,531.35*	
23 63 23 00-0011	EA	120 Ton Water Cooled Condenser, Shell And Tube Type	153,797.34	2,562.58
		For Saddle Legs, Add	*11,918.21*	
		For Dual Compressor, Add	*7,495.73*	
23 63 23 00-0012	EA	150 Ton Water Cooled Condenser, Shell And Tube Type	183,069.97	2,787.69
		For Saddle Legs, Add	*14,218.24*	
		For Dual Compressor, Add	*8,942.29*	

23 64 Packaged Water Chillers *(23 60)*

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001		Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*		
		Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	219,405.52	13,222.22
		For Two Stage Unit, Add	*143,006.09*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	276,857.34	15,229.28
		For Two Stage Unit, Add	*181,616.71*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	350,581.22	16,371.48
		For Two Stage Unit, Add	*232,309.67*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	389,314.95	17,513.67
		For Two Stage Unit, Add	*258,509.53*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	434,555.45	18,021.31
		For Two Stage Unit, Add	*289,771.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	489,283.59	18,655.86
		For Two Stage Unit, Add	*327,573.82*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	524,572.09	19,290.42
		For Two Stage Unit, Add	*351,768.12*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	623,800.90	20,305.70
		For Two Stage Unit, Add	*420,416.07*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	697,968.70	20,940.26
		For Two Stage Unit, Add	*471,825.88*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	845,035.19	21,574.81
		For Two Stage Unit, Add	*574,264.78*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	916,119.80	23,097.73
		For Two Stage Unit, Add	*622,805.67*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	982,090.70	24,493.76
		For Two Stage Unit, Add	*667,868.48*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,052,767.53	25,812.79
		For Two Stage Unit, Add	*716,287.04*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,204,809.91	26,442.37
		For Two Stage Unit, Add	*822,162.67*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,319,483.93	27,953.37
		For Two Stage Unit, Add	*901,276.07*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,540,698.35	29,212.53
		For Two Stage Unit, Add	*1,055,118.82*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,800,522.48	30,093.94
		For Two Stage Unit, Add	*1,236,290.60*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	166,828.59	7,240.88
		For 208/230 Voltage Motor Rating, Add	*6,207.89*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	182,340.65	7,424.28
		For 208/230 Voltage Motor Rating, Add	*6,816.44*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	201,086.73	7,612.99
		For 208/230 Voltage Motor Rating, Add	*7,554.31*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	219,389.45	7,918.21
		For 208/230 Voltage Motor Rating, Add	*8,266.80*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	237,285.98	8,365.31
		For 208/230 Voltage Motor Rating, Add	*8,953.94*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	254,528.51	8,800.24
		For 208/230 Voltage Motor Rating, Add	*9,615.70*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	271,211.54	9,282.76
		For 208/230 Voltage Motor Rating, Add	*10,252.01*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	287,222.50	9,740.52
		For 208/230 Voltage Motor Rating, Add	*10,863.04*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	302,532.59	10,157.93
		For 208/230 Voltage Motor Rating, Add	*11,448.62*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	317,067.35	10,487.51
		For 208/230 Voltage Motor Rating, Add	*12,008.83*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	331,272.93	11,007.09
		For 208/230 Voltage Motor Rating, Add	*12,543.68*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	344,692.03	11,431.73
		For 208/230 Voltage Motor Rating, Add	*13,053.15*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	357,468.00	11,850.92
		For 208/230 Voltage Motor Rating, Add	*13,537.26*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	369,457.99	12,175.56
		For 208/230 Voltage Motor Rating, Add	*13,995.99*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	391,183.88	12,607.30
		For 208/230 Voltage Motor Rating, Add	*14,837.29*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	410,119.61	12,881.44
		For 208/230 Voltage Motor Rating, Add	*15,577.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	427,099.15	13,518.14
		For 208/230 Voltage Motor Rating, Add	*16,215.38*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	441,557.16	14,164.50
		For 208/230 Voltage Motor Rating, Add	*16,752.17*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	453,586.34	14,875.58
		For 208/230 Voltage Motor Rating, Add	*17,187.64*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	481,779.69	15,593.26
		For 208/230 Voltage Motor Rating, Add	*18,269.26*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	509,774.06	16,308.65
		For 208/230 Voltage Motor Rating, Add	*19,343.08*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	537,680.00	17,092.71
		For 208/230 Voltage Motor Rating, Add	*20,408.93*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	565,512.40	17,955.96
		For 208/230 Voltage Motor Rating, Add	*21,466.76*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	592,574.22	18,663.53
		For 208/230 Voltage Motor Rating, Add	*22,516.56*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	642,971.67	21,534.92
		For 208/230 Voltage Motor Rating, Add	*24,349.93*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	691,483.49	24,414.50
		For 208/230 Voltage Motor Rating, Add	*26,107.35*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	737,223.25	26,747.09
		For 208/230 Voltage Motor Rating, Add	*27,788.66*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	779,635.63	28,183.29
		For 208/230 Voltage Motor Rating, Add	*29,393.87*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	820,065.40	29,572.52
		For 208/230 Voltage Motor Rating, Add	*30,922.74*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	857,765.60	30,429.76
		For 208/230 Voltage Motor Rating, Add	*32,376.26*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	895,569.18	32,552.70
		For 208/230 Voltage Motor Rating, Add	*33,753.45*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	930,619.80	34,140.63
		For 208/230 Voltage Motor Rating, Add	*35,054.53*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	964,518.29	36,200.86
		For 208/230 Voltage Motor Rating, Add	*36,279.51*	
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	995,298.46	37,493.77
		For 208/230 Voltage Motor Rating, Add	*37,428.53*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,059,876.65	39,616.09
		For 208/230 Voltage Motor Rating, Add	*39,968.32*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,117,555.22	41,993.01
		For 208/230 Voltage Motor Rating, Add	*42,032.79*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	31,902.96	1,935.44
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	46,781.26	1,960.26
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	51,057.97	2,096.73
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	56,176.02	2,245.62
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	57,085.24	2,394.50
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	60,232.41	2,568.19
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	68,881.40	2,779.10
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	73,973.27	3,014.83
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	78,118.56	3,101.67
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	81,590.21	3,238.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	84,330.42	3,349.81
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	97,297.83	3,771.64
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	104,727.27	4,131.43
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	106,639.98	4,143.84
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	112,848.53	4,156.25
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	118,893.40	4,168.65
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	125,013.43	4,181.06
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	131,447.32	4,193.47

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,309.29	2,364.64
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,252.89	2,436.08
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	50,204.89	2,674.31
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	61,685.98	3,374.69
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	68,243.59	3,698.32
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	71,693.61	4,086.17

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	112,526.75	4,751.76
		For Aluminum Fins Instead Of Copper, Deduct	*-1,581.08*	
		For 208/230 Voltage Motor Rating, Add	*4,216.21*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	120,939.53	5,161.19
		For Aluminum Fins Instead Of Copper, Deduct	*-1,698.15*	
		For 208/230 Voltage Motor Rating, Add	*4,528.41*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	127,217.19	5,384.51
		For Aluminum Fins Instead Of Copper, Deduct	*-1,787.11*	
		For 208/230 Voltage Motor Rating, Add	*4,765.62*	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	131,927.81	5,793.93
		For Aluminum Fins Instead Of Copper, Deduct	*-1,848.65*	
		For 208/230 Voltage Motor Rating, Add	*4,929.72*	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	141,581.52	6,079.28
		For Aluminum Fins Instead Of Copper, Deduct	*-1,987.13*	
		For 208/230 Voltage Motor Rating, Add	*5,299.00*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	150,444.35	6,203.35
		For Aluminum Fins Instead Of Copper, Deduct	*-2,117.09*	
		For 208/230 Voltage Motor Rating, Add	*5,645.57*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	158,804.24	6,414.27
		For Aluminum Fins Instead Of Copper, Deduct	*-2,237.84*	
		For 208/230 Voltage Motor Rating, Add	*5,967.56*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	163,880.01	6,550.74
		For Aluminum Fins Instead Of Copper, Deduct	*-2,310.81*	
		For 208/230 Voltage Motor Rating, Add	*6,162.16*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	173,038.21	6,687.22
		For Aluminum Fins Instead Of Copper, Deduct	*-2,445.02*	
		For 208/230 Voltage Motor Rating, Add	*6,520.05*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	180,617.29	6,898.13
		For Aluminum Fins Instead Of Copper, Deduct	*-2,554.05*	
		For 208/230 Voltage Motor Rating, Add	*6,810.80*	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	190,456.44	7,171.07
		For Aluminum Fins Instead Of Copper, Deduct	*-2,695.50*	
		For 208/230 Voltage Motor Rating, Add	*7,187.99*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	199,075.45	7,319.95
		For Aluminum Fins Instead Of Copper, Deduct	*-2,821.62*	
		For 208/230 Voltage Motor Rating, Add	*7,524.32*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	213,382.04	7,444.02
		For Aluminum Fins Instead Of Copper, Deduct	*-3,033.24*	
		For 208/230 Voltage Motor Rating, Add	*8,088.64*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	222,886.70	7,518.46
		For Aluminum Fins Instead Of Copper, Deduct	*-3,174.32*	
		For 208/230 Voltage Motor Rating, Add	*8,464.86*	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	232,391.35	7,580.49
		For Aluminum Fins Instead Of Copper, Deduct	*-3,315.40*	
		For 208/230 Voltage Motor Rating, Add	*8,841.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	260,830.85	7,729.37
		For Aluminum Fins Instead Of Copper, Deduct	*-3,738.64*	
		For 208/230 Voltage Motor Rating, Add	*9,969.72*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	275,149.86	7,878.26
		For Aluminum Fins Instead Of Copper, Deduct	*-3,950.27*	
		For 208/230 Voltage Motor Rating, Add	*10,534.04*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	294,159.17	8,002.33
		For Aluminum Fins Instead Of Copper, Deduct	*-4,232.43*	
		For 208/230 Voltage Motor Rating, Add	*11,286.48*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	322,573.86	8,138.80
		For Aluminum Fins Instead Of Copper, Deduct	*-4,655.67*	
		For 208/230 Voltage Motor Rating, Add	*12,415.12*	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	351,635.36	8,238.05
		For Aluminum Fins Instead Of Copper, Deduct	*-5,089.17*	
		For 208/230 Voltage Motor Rating, Add	*13,571.13*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	74,167.11	5,710.98
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	80,471.62	5,933.07
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	85,949.92	6,091.71
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	90,727.34	6,348.71
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	95,466.10	6,523.21
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	101,236.62	6,706.34
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	136,457.84	6,893.79
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	141,659.33	7,080.34
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	145,556.04	7,255.61
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,047.51	7,618.44
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	146,030.54	7,985.85
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	154,485.23	8,156.80
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	167,859.31	8,335.24
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	178,330.08	8,716.74
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	188,235.69	9,069.55
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	199,762.49	9,428.83
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	219,296.27	10,264.54
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	235,306.65	11,289.98
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	247,811.99	12,419.48

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,069.95	2,059.51
		For Counter Flow Type, Add	*1,273.55*	
		For Stainless Steel Cooling Tower, Add	*13,584.54*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	27,608.50	2,518.56
		For Counter Flow Type, Add	*1,788.70*	
		For Stainless Steel Cooling Tower, Add	*19,079.42*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	34,659.85	3,163.71
		For Counter Flow Type, Add	*2,217.98*	
		For Stainless Steel Cooling Tower, Add	*23,658.48*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	39,952.54	3,535.92
		For Counter Flow Type, Add	*2,570.27*	
		For Stainless Steel Cooling Tower, Add	*27,416.22*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	45,650.95	3,982.55
		For Counter Flow Type, Add	*2,943.68*	
		For Stainless Steel Cooling Tower, Add	*31,399.27*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	51,326.29	4,466.41
		For Counter Flow Type, Add	*3,311.64*	
		For Stainless Steel Cooling Tower, Add	*35,324.18*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	57,596.41	4,975.09
		For Counter Flow Type, Add	*3,720.49*	
		For Stainless Steel Cooling Tower, Add	*39,685.19*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	62,974.76	5,607.83
		For Counter Flow Type, Add	*4,047.56*	
		For Stainless Steel Cooling Tower, Add	*43,174.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	68,631.45	6,228.16
		For Counter Flow Type, Add	*4,396.44*	
		For Stainless Steel Cooling Tower, Add	*46,895.39*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	75,252.34	7,369.58
		For Counter Flow Type, Add	*4,756.23*	
		For Stainless Steel Cooling Tower, Add	*50,733.08*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	81,812.19	8,163.61
		For Counter Flow Type, Add	*5,151.44*	
		For Stainless Steel Cooling Tower, Add	*54,948.72*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	86,215.59	8,684.69
		For Counter Flow Type, Add	*5,424.01*	
		For Stainless Steel Cooling Tower, Add	*57,856.06*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	91,366.61	9,193.37
		For Counter Flow Type, Add	*5,744.27*	
		For Stainless Steel Cooling Tower, Add	*61,272.18*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	96,356.37	9,640.01
		For Counter Flow Type, Add	*6,064.53*	
		For Stainless Steel Cooling Tower, Add	*64,688.31*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	102,060.53	10,086.65
		For Counter Flow Type, Add	*6,439.30*	
		For Stainless Steel Cooling Tower, Add	*68,685.90*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	108,120.11	10,632.55
		For Counter Flow Type, Add	*6,827.71*	
		For Stainless Steel Cooling Tower, Add	*72,828.86*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	114,984.97	11,178.44
		For Counter Flow Type, Add	*7,277.44*	
		For Stainless Steel Cooling Tower, Add	*77,625.98*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	121,647.31	11,649.89
		For Counter Flow Type, Add	*7,720.35*	
		For Stainless Steel Cooling Tower, Add	*82,350.40*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	128,322.05	12,121.35
		For Counter Flow Type, Add	*8,163.26*	
		For Stainless Steel Cooling Tower, Add	*87,074.82*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	140,939.56	12,630.02
		For Counter Flow Type, Add	*9,049.10*	
		For Stainless Steel Cooling Tower, Add	*96,523.68*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	154,647.32	13,126.29
		For Counter Flow Type, Add	*10,016.69*	
		For Stainless Steel Cooling Tower, Add	*106,844.74*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	160,197.83	13,399.24
		For Counter Flow Type, Add	*10,425.54*	
		For Stainless Steel Cooling Tower, Add	*111,205.74*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	166,838.60	13,572.94
		For Counter Flow Type, Add	*10,916.15*	
		For Stainless Steel Cooling Tower, Add	*116,438.96*	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	174,653.62	14,267.71
		For Counter Flow Type, Add	*11,420.39*	
		For Stainless Steel Cooling Tower, Add	*121,817.54*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	183,740.60	14,962.49
		For Counter Flow Type, Add	*12,020.03*	
		For Stainless Steel Cooling Tower, Add	*128,213.69*	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	192,926.83	15,719.29
		For Counter Flow Type, Add	*12,619.67*	
		For Stainless Steel Cooling Tower, Add	*134,609.83*	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	203,566.71	16,476.11
		For Counter Flow Type, Add	*13,328.34*	
		For Stainless Steel Cooling Tower, Add	*142,168.91*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	214,562.02	17,344.57
		For Counter Flow Type, Add	*14,050.63*	
		For Stainless Steel Cooling Tower, Add	*149,873.37*	
23 65 13 16-0031	EA	1,000 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	226,998.57	18,213.05
		For Counter Flow Type, Add	*14,881.95*	
		For Stainless Steel Cooling Tower, Add	*158,740.75*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers
(23 65 14 13)
Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,288.47	1,389.55
		For Polymer Coating Over Galvanized Components, Add	*1,230.62*	
		For Stainless Steel Support Structure, Add	*2,461.25*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,179.32	1,501.21
		For Polymer Coating Over Galvanized Components, Add	*1,488.20*	
		For Stainless Steel Support Structure, Add	*2,976.39*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,551.00	1,687.31
		For Polymer Coating Over Galvanized Components, Add	*1,803.00*	
		For Stainless Steel Support Structure, Add	*3,606.01*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	16,147.10	1,861.00
		For Polymer Coating Over Galvanized Components, Add	*2,003.34*	
		For Stainless Steel Support Structure, Add	*4,006.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,115.98	2,059.51
		For Polymer Coating Over Galvanized Components, Add	*2,404.01*	
		For Stainless Steel Support Structure, Add	*4,808.01*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	22,222.31	2,220.80
		For Polymer Coating Over Galvanized Components, Add	*2,834.60*	
		For Stainless Steel Support Structure, Add	*5,669.20*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	25,509.77	2,518.56
		For Polymer Coating Over Galvanized Components, Add	*3,262.58*	
		For Stainless Steel Support Structure, Add	*6,525.16*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	31,797.93	3,163.71
		For Polymer Coating Over Galvanized Components, Add	*4,006.68*	
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	34,682.98	3,535.92
		For Polymer Coating Over Galvanized Components, Add	*4,350.11*	
		For Stainless Steel Support Structure, Add	*8,700.21*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	52,805.11	3,982.55
		For Polymer Coating Over Galvanized Components, Add	*6,960.49*	
		For Stainless Steel Support Structure, Add	*13,920.98*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	63,915.34	4,975.09
		For Polymer Coating Over Galvanized Components, Add	*8,388.81*	
		For Stainless Steel Support Structure, Add	*16,777.63*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	82,891.18	8,163.61
		For Polymer Coating Over Galvanized Components, Add	*10,464.73*	
		For Stainless Steel Support Structure, Add	*20,929.47*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	31,797.93	3,163.71
		For Polymer Coating Over Galvanized Components, Add	*4,006.68*	
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	42,334.76	3,982.55
		For Polymer Coating Over Galvanized Components, Add	*5,389.94*	
		For Stainless Steel Support Structure, Add	*10,779.87*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	53,780.52	4,975.09
		For Polymer Coating Over Galvanized Components, Add	*6,868.59*	
		For Stainless Steel Support Structure, Add	*13,737.18*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	63,852.51	6,228.16
		For Polymer Coating Over Galvanized Components, Add	*8,076.05*	
		For Stainless Steel Support Structure, Add	*16,152.09*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	75,970.26	8,163.61
		For Polymer Coating Over Galvanized Components, Add	*9,426.60*	
		For Stainless Steel Support Structure, Add	*18,853.19*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	84,688.82	9,193.37
		For Polymer Coating Over Galvanized Components, Add	*10,486.87*	
		For Stainless Steel Support Structure, Add	*20,973.73*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	94,428.76	10,086.65
		For Polymer Coating Over Galvanized Components, Add	*11,733.84*	
		For Stainless Steel Support Structure, Add	*23,467.68*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	106,989.78	11,178.44
		For Polymer Coating Over Galvanized Components, Add	*13,355.59*	
		For Stainless Steel Support Structure, Add	*26,711.18*	
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	120,599.43	12,121.35
		For Polymer Coating Over Galvanized Components, Add	*15,168.14*	
		For Stainless Steel Support Structure, Add	*30,336.27*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	129,128.49	12,778.90
		For Polymer Coating Over Galvanized Components, Add	*16,326.53*	
		For Stainless Steel Support Structure, Add	*32,653.06*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	138,342.60	13,126.29
		For Polymer Coating Over Galvanized Components, Add	*17,587.68*	
		For Stainless Steel Support Structure, Add	*35,175.36*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	156,753.76	13,572.94
		For Polymer Coating Over Galvanized Components, Add	*20,319.58*	
		For Stainless Steel Support Structure, Add	*40,639.16*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	171,929.53	14,962.49
		For Polymer Coating Over Galvanized Components, Add	*22,268.41*	
		For Stainless Steel Support Structure, Add	*44,536.81*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	189,938.56	16,476.11
		For Polymer Coating Over Galvanized Components, Add	*24,612.45*	
		For Stainless Steel Support Structure, Add	*49,224.90*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,594.46	1,389.55
		For Polymer Coating Over Galvanized Components, Add	*976.52*	
		For Stainless Steel Support Structure, Add	*1,953.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,261.91	1,414.36
		For Polymer Coating Over Galvanized Components, Add	*1,072.92*	
		For Stainless Steel Support Structure, Add	*2,145.83*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,075.11	1,538.43
		For Polymer Coating Over Galvanized Components, Add	*1,165.12*	
		For Stainless Steel Support Structure, Add	*2,330.24*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,751.44	1,612.87
		For Polymer Coating Over Galvanized Components, Add	*1,399.82*	
		For Stainless Steel Support Structure, Add	*2,799.64*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,288.06	1,687.31
		For Polymer Coating Over Galvanized Components, Add	*1,613.56*	
		For Stainless Steel Support Structure, Add	*3,227.13*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,793.62	1,774.16
		For Polymer Coating Over Galvanized Components, Add	*1,818.93*	
		For Stainless Steel Support Structure, Add	*3,637.85*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,175.01	1,861.00
		For Polymer Coating Over Galvanized Components, Add	*2,007.53*	
		For Stainless Steel Support Structure, Add	*4,015.05*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,708.50	1,960.26
		For Polymer Coating Over Galvanized Components, Add	*2,217.08*	
		For Stainless Steel Support Structure, Add	*4,434.16*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,210.94	2,059.51
		For Polymer Coating Over Galvanized Components, Add	*2,418.25*	
		For Stainless Steel Support Structure, Add	*4,836.50*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	22,156.89	2,220.80
		For Polymer Coating Over Galvanized Components, Add	*2,824.79*	
		For Stainless Steel Support Structure, Add	*5,649.57*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,351.19	2,394.50
		For Polymer Coating Over Galvanized Components, Add	*3,264.85*	
		For Stainless Steel Support Structure, Add	*6,529.70*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,838.08	2,518.56
		For Polymer Coating Over Galvanized Components, Add	*3,461.83*	
		For Stainless Steel Support Structure, Add	*6,923.66*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	28,473.87	2,729.48
		For Polymer Coating Over Galvanized Components, Add	*3,658.81*	
		For Stainless Steel Support Structure, Add	*7,317.62*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,690.53	2,940.39
		For Polymer Coating Over Galvanized Components, Add	*3,792.92*	
		For Stainless Steel Support Structure, Add	*7,585.85*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,965.51	3,163.71
		For Polymer Coating Over Galvanized Components, Add	*4,031.81*	
		For Stainless Steel Support Structure, Add	*8,063.63*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,315.42	3,535.92
		For Polymer Coating Over Galvanized Components, Add	*4,144.97*	
		For Stainless Steel Support Structure, Add	*8,289.95*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	38,673.14	3,982.55
		For Polymer Coating Over Galvanized Components, Add	*4,840.69*	
		For Stainless Steel Support Structure, Add	*9,681.38*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	42,739.33	4,466.41
		For Polymer Coating Over Galvanized Components, Add	*5,335.24*	
		For Stainless Steel Support Structure, Add	*10,670.48*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	45,039.02	4,975.09
		For Polymer Coating Over Galvanized Components, Add	*5,557.37*	
		For Stainless Steel Support Structure, Add	*11,114.73*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	52,035.63	5,607.83
		For Polymer Coating Over Galvanized Components, Add	*6,454.26*	
		For Stainless Steel Support Structure, Add	*12,908.51*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	57,064.01	6,228.16
		For Polymer Coating Over Galvanized Components, Add	*7,057.77*	
		For Stainless Steel Support Structure, Add	*14,115.54*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	61,150.97	7,369.58
		For Polymer Coating Over Galvanized Components, Add	*7,397.25*	
		For Stainless Steel Support Structure, Add	*14,794.49*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	66,017.66	8,163.61
		For Polymer Coating Over Galvanized Components, Add	*7,933.71*	
		For Stainless Steel Support Structure, Add	*15,867.41*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	75,435.21	9,193.37
		For Polymer Coating Over Galvanized Components, Add	*9,098.82*	
		For Stainless Steel Support Structure, Add	*18,197.65*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	83,148.59	10,086.65
		For Polymer Coating Over Galvanized Components, Add	*10,041.82*	
		For Stainless Steel Support Structure, Add	*20,083.63*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	91,911.00	11,178.44
		For Polymer Coating Over Galvanized Components, Add	*11,093.78*	
		For Stainless Steel Support Structure, Add	*22,187.55*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	100,142.74	12,121.35
		For Polymer Coating Over Galvanized Components, Add	*12,099.63*	
		For Stainless Steel Support Structure, Add	*24,199.27*	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	114,328.85	13,126.29
		For Polymer Coating Over Galvanized Components, Add	*13,985.62*	
		For Stainless Steel Support Structure, Add	*27,971.24*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	127,966.73	13,572.94
		For Polymer Coating Over Galvanized Components, Add	*16,001.52*	
		For Stainless Steel Support Structure, Add	*32,003.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	143,002.95	14,962.49
		For Polymer Coating Over Galvanized Components, Add	*17,929.42*	
		For Stainless Steel Support Structure, Add	*35,858.84*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	157,622.97	16,476.11
		For Polymer Coating Over Galvanized Components, Add	*19,765.11*	
		For Stainless Steel Support Structure, Add	*39,530.22*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	171,991.22	18,213.05
		For Polymer Coating Over Galvanized Components, Add	*21,512.79*	
		For Stainless Steel Support Structure, Add	*43,025.58*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	188,093.00	19,093.93
		For Polymer Coating Over Galvanized Components, Add	*23,721.48*	
		For Stainless Steel Support Structure, Add	*47,442.97*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	203,617.44	19,912.76
		For Polymer Coating Over Galvanized Components, Add	*25,854.74*	
		For Stainless Steel Support Structure, Add	*51,709.48*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	216,663.20	21,624.88
		For Polymer Coating Over Galvanized Components, Add	*27,409.63*	
		For Stainless Steel Support Structure, Add	*54,819.26*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	229,320.73	23,461.08
		For Polymer Coating Over Galvanized Components, Add	*28,876.51*	
		For Stainless Steel Support Structure, Add	*57,753.01*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	241,552.81	25,396.51
		For Polymer Coating Over Galvanized Components, Add	*30,255.37*	
		For Stainless Steel Support Structure, Add	*60,510.74*	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	252,832.08	27,145.87
		For Polymer Coating Over Galvanized Components, Add	*31,537.84*	
		For Stainless Steel Support Structure, Add	*63,075.68*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	263,906.06	29,143.34
		For Polymer Coating Over Galvanized Components, Add	*32,728.10*	
		For Stainless Steel Support Structure, Add	*65,456.21*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	274,889.55	31,451.00
		For Polymer Coating Over Galvanized Components, Add	*33,830.36*	
		For Stainless Steel Support Structure, Add	*67,660.72*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	285,218.08	33,758.64
		For Polymer Coating Over Galvanized Components, Add	*34,836.22*	
		For Stainless Steel Support Structure, Add	*69,672.43*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	296,274.93	36,909.95
		For Polymer Coating Over Galvanized Components, Add	*35,754.06*	
		For Stainless Steel Support Structure, Add	*71,508.12*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	95,565.36	3,163.71
		For Induced Draft Counter Flow Type, Add	*4,523.93*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	108,316.28	3,511.09
		For Induced Draft Counter Flow Type, Add	*5,131.70*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	118,377.43	3,982.55
		For Induced Draft Counter Flow Type, Add	*5,598.78*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	131,595.07	4,975.09
		For Induced Draft Counter Flow Type, Add	*6,180.26*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	149,055.57	6,228.16
		For Induced Draft Counter Flow Type, Add	*6,952.17*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	171,132.26	8,163.61
		For Induced Draft Counter Flow Type, Add	*7,900.30*	
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	186,444.15	9,193.37
		For Induced Draft Counter Flow Type, Add	*8,583.39*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	201,532.71	10,086.65
		For Induced Draft Counter Flow Type, Add	*9,266.48*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	232,610.12	12,121.35
		For Induced Draft Counter Flow Type, Add	*10,656.58*	
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	262,739.95	13,126.29
		For Induced Draft Counter Flow Type, Add	*12,082.43*	
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	325,388.83	14,267.71
		For Induced Draft Counter Flow Type, Add	*15,090.81*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	422,352.15	18,213.05
		For Induced Draft Counter Flow Type, Add	*19,688.98*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	40,161.81	2,059.51
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	57,080.03	2,518.56
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	67,275.40	3,163.71
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	76,265.06	3,535.92
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	83,663.96	3,982.55
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	100,325.47	4,975.09
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	118,074.94	6,228.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	139,976.35	8,163.61
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	153,241.81	9,193.37
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	173,735.41	10,086.65
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	201,397.37	12,121.35
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	227,354.21	13,126.29
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	281,190.44	14,267.71
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	358,156.36	18,014.54

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	70,075.02	3,163.71
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	75,829.25	3,535.92
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	81,712.28	3,982.55
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	96,635.27	4,975.09
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	106,521.15	6,228.16

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,875.64	1,290.30
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,132.13	1,352.33
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,952.18	1,389.55
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,715.98	1,414.36
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,769.80	1,538.43
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,274.54	1,612.87
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,471.09	1,687.31
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,068.08	1,861.00
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,466.45	2,059.51
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,085.79	2,220.80
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,390.33	2,394.50
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	18,940.05	2,729.48
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	22,933.09	3,163.71
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,323.39	3,535.92
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	31,810.23	3,982.55
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	38,601.35	4,466.41
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	43,052.21	4,975.09
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,591.50	5,607.83
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	51,929.73	6,228.16
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	62,260.67	8,163.61
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	70,750.26	9,193.37
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	78,623.46	10,086.65
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	95,577.84	11,873.21
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	109,140.20	13,126.29
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	115,358.91	10,086.65
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	132,213.76	14,962.49
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	150,773.45	12,468.74

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,438.13
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,628.16
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,596.11
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,872.16
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,032.19
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,255.21
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,478.21
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,503.12
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,765.11	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,154.16	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,546.20	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,802.20	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	30,915.79	235.11
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	43,142.00	311.72
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	49,392.22	377.03
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	58,482.33	471.29
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	68,044.15	626.49
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	87,922.32	942.69
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	99,286.91	1,061.77
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	136,345.42	1,410.32
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	176,411.33	1,639.55

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	11,080.29	885.22
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,312.12	1,062.53
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,406.18	1,328.16
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	18,011.12	1,517.43
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	19,916.53	1,593.80
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	24,182.49	1,771.10
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	32,051.25	1,859.43
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	39,874.53	1,992.24
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	48,268.51	2,276.47
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	54,146.79	2,921.96
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	72,481.28	3,320.41
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	86,215.63	3,984.49

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	19,840.71	664.08
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	31,173.17	885.49
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	46,215.28	1,328.16

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units *(23 73 13)*

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,978.66	701.85
		For Flat Filter Box And Throwaway Filters, Add	*247.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*465.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*693.07*	
		For Manual Roll Filter, Add	*1,187.08*	
		For Automatic Roll Filter, Add	*1,285.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*594.27*	
		For Electric Heating Coil, Add	*989.47*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*989.47*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*890.67*	
		For Steam Heating Coil, Aluminum Fins, Add	*791.87*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*642.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,187.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,088.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*791.87*	
		For Variable Air Volume, Add	*276.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,341.85*	
		For 2 Coils, Independent Circuits, Add	*337.39*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,698.24	842.22
		For Flat Filter Box And Throwaway Filters, Add	*409.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*783.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,169.03*	
		For Manual Roll Filter, Add	*2,043.04*	
		For Automatic Roll Filter, Add	*2,217.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*994.23*	
		For Electric Heating Coil, Add	*1,693.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,693.43*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,518.63*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,343.83*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,108.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,043.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,868.24*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,343.83*	
		For Variable Air Volume, Add	*489.44*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,481.55*	
		For 2 Coils, Independent Circuits, Add	*539.74*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,309.83	904.51
		For Flat Filter Box And Throwaway Filters, Add	*466.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*894.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,334.54*	
		For Manual Roll Filter, Add	*2,338.98*	
		For Automatic Roll Filter, Add	*2,539.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,133.65*	
		For Electric Heating Coil, Add	*1,937.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,937.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,736.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,535.43*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,269.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,338.98*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,138.09*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,535.43*	
		For Variable Air Volume, Add	*562.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,544.44*	
		For 2 Coils, Independent Circuits, Add	*611.34*	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,989.83	971.94
		For Flat Filter Box And Throwaway Filters, Add	*529.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,017.44*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,519.21*	
		For Manual Roll Filter, Add	*2,669.49*	
		For Automatic Roll Filter, Add	*2,899.55*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,289.15*	
		For Electric Heating Coil, Add	*2,209.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,209.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,979.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,749.27*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,449.77*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,669.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,439.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,749.27*	
		For Variable Air Volume, Add	*644.16*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,612.09*	
		For 2 Coils, Independent Circuits, Add	*691.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,791.54	1,045.63
		For Flat Filter Box And Throwaway Filters, Add	*604.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,164.34*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,739.06*	
		For Manual Roll Filter, Add	*3,063.93*	
		For Automatic Roll Filter, Add	*3,328.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,474.08*	
		For Electric Heating Coil, Add	*2,533.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,533.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,269.01*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,004.03*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,664.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,063.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,798.96*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,004.03*	
		For Variable Air Volume, Add	*741.93*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,684.42*	
		For 2 Coils, Independent Circuits, Add	*785.14*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,726.40	1,123.71
		For Flat Filter Box And Throwaway Filters, Add	*692.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,336.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,996.87*	
		For Manual Roll Filter, Add	*3,527.15*	
		For Automatic Roll Filter, Add	*3,833.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,690.81*	
		For Electric Heating Coil, Add	*2,915.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,915.04*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,608.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,302.93*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,916.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,527.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,221.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,302.93*	
		For Variable Air Volume, Add	*856.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,763.68*	
		For 2 Coils, Independent Circuits, Add	*895.06*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,459.53	1,208.06
		For Flat Filter Box And Throwaway Filters, Add	*759.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,468.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,193.43*	
		For Manual Roll Filter, Add	*3,877.77*	
		For Automatic Roll Filter, Add	*4,214.63*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,856.56*	
		For Electric Heating Coil, Add	*3,204.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,204.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,867.16*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,530.29*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,107.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,877.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,540.90*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,530.29*	
		For Variable Air Volume, Add	*943.23*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,845.52*	
		For 2 Coils, Independent Circuits, Add	*980.70*	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,254.18	1,301.93
		For Flat Filter Box And Throwaway Filters, Add	*832.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,609.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,404.35*	
		For Manual Roll Filter, Add	*4,253.02*	
		For Automatic Roll Filter, Add	*4,622.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,034.62*	
		For Electric Heating Coil, Add	*3,513.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,513.55*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,143.82*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,774.09*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,311.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,253.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,883.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,774.09*	
		For Variable Air Volume, Add	*1,035.25*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,772.73*	
		For 2 Coils, Independent Circuits, Add	*1,073.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,128.26	1,395.81
		For Flat Filter Box And Throwaway Filters, Add	*913.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,766.42*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,639.65*	
		For Manual Roll Filter, Add	*4,673.19*	
		For Automatic Roll Filter, Add	*5,079.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,232.95*	
		For Electric Heating Coil, Add	*3,859.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,859.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,453.07*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,046.36*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,539.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,673.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,266.48*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,046.36*	
		For Variable Air Volume, Add	*1,138.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,846.77*	
		For 2 Coils, Independent Circuits, Add	*1,175.51*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,934.76	1,500.33
		For Flat Filter Box And Throwaway Filters, Add	*986.31*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,908.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,851.76*	
		For Manual Roll Filter, Add	*5,049.62*	
		For Automatic Roll Filter, Add	*5,489.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,412.19*	
		For Electric Heating Coil, Add	*4,170.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,170.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,730.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,291.34*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,744.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,049.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,610.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,291.34*	
		For Variable Air Volume, Add	*1,230.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,928.83*	
		For 2 Coils, Independent Circuits, Add	*1,269.30*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,795.81	1,614.38
		For Flat Filter Box And Throwaway Filters, Add	*1,064.28*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,059.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,077.55*	
		For Manual Roll Filter, Add	*5,450.00*	
		For Automatic Roll Filter, Add	*5,924.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,603.05*	
		For Electric Heating Coil, Add	*4,501.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,501.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,026.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,552.04*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,962.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,450.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,975.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,552.04*	
		For Variable Air Volume, Add	*1,328.57*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,018.29*	
		For 2 Coils, Independent Circuits, Add	*1,369.38*	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,720.37	1,868.68
		For Flat Filter Box And Throwaway Filters, Add	*1,238.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,397.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,582.22*	
		For Manual Roll Filter, Add	*6,344.95*	
		For Automatic Roll Filter, Add	*6,897.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,029.68*	
		For Electric Heating Coil, Add	*5,239.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,239.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,687.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,134.77*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,448.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,344.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,792.41*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,134.77*	
		For Variable Air Volume, Add	*1,547.13*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,218.20*	
		For 2 Coils, Independent Circuits, Add	*1,593.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,372.44	2,008.17
		For Flat Filter Box And Throwaway Filters, Add	*1,293.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,501.44*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,737.81*	
		For Manual Roll Filter, Add	*6,613.51*	
		For Automatic Roll Filter, Add	*7,188.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,162.67*	
		For Electric Heating Coil, Add	*5,463.23*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,463.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,888.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,312.95*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,594.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,613.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,038.37*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,312.95*	
		For Variable Air Volume, Add	*1,610.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,328.29*	
		For 2 Coils, Independent Circuits, Add	*1,667.30*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,037.88	2,158.19
		For Flat Filter Box And Throwaway Filters, Add	*1,349.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,606.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,894.73*	
		For Manual Roll Filter, Add	*6,883.41*	
		For Automatic Roll Filter, Add	*7,481.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,296.99*	
		For Electric Heating Coil, Add	*5,687.94*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,687.94*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,090.20*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,492.47*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,740.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,883.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,285.67*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,492.47*	
		For Variable Air Volume, Add	*1,673.66*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,445.74*	
		For 2 Coils, Independent Circuits, Add	*1,742.88*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,501.20	2,491.58
		For Flat Filter Box And Throwaway Filters, Add	*1,472.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,837.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,238.25*	
		For Manual Roll Filter, Add	*7,473.42*	
		For Automatic Roll Filter, Add	*8,120.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,591.22*	
		For Electric Heating Coil, Add	*6,179.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,179.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,532.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,885.29*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,060.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,473.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,826.39*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,885.29*	
		For Variable Air Volume, Add	*1,811.69*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,364.21*	
		For 2 Coils, Independent Circuits, Add	*1,908.93*	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,501.20	2,491.58
		For Flat Filter Box And Throwaway Filters, Add	*1,472.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,837.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,238.25*	
		For Manual Roll Filter, Add	*7,473.42*	
		For Automatic Roll Filter, Add	*8,120.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,591.22*	
		For Electric Heating Coil, Add	*6,179.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,179.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,532.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,885.29*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,060.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,473.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,826.39*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,885.29*	
		For Variable Air Volume, Add	*1,811.69*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,364.21*	
		For 2 Coils, Independent Circuits, Add	*1,908.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,097.88	2,861.80
		For Flat Filter Box And Throwaway Filters, Add	*1,605.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,087.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,611.55*	
		For Manual Roll Filter, Add	*8,113.74*	
		For Automatic Roll Filter, Add	*8,814.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,911.11*	
		For Electric Heating Coil, Add	*6,712.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,712.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,012.43*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,311.99*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,407.09*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,113.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,413.30*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,311.99*	
		For Variable Air Volume, Add	*1,961.23*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,575.64*	
		For 2 Coils, Independent Circuits, Add	*2,089.96*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,020.41	3,104.82
		For Flat Filter Box And Throwaway Filters, Add	*1,680.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,227.34*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,818.83*	
		For Manual Roll Filter, Add	*8,464.81*	
		For Automatic Roll Filter, Add	*9,194.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,089.63*	
		For Electric Heating Coil, Add	*7,006.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,006.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,277.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,548.02*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,597.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,464.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,735.61*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,548.02*	
		For Variable Air Volume, Add	*2,041.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,714.59*	
		For 2 Coils, Independent Circuits, Add	*2,193.72*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,924.49	3,335.55
		For Flat Filter Box And Throwaway Filters, Add	*1,754.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,365.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,024.26*	
		For Manual Roll Filter, Add	*8,814.03*	
		For Automatic Roll Filter, Add	*9,571.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,266.31*	
		For Electric Heating Coil, Add	*7,298.12*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,298.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,540.17*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,782.22*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,785.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,814.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,056.08*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,782.22*	
		For Variable Air Volume, Add	*2,122.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,846.17*	
		For 2 Coils, Independent Circuits, Add	*2,295.63*	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,834.14	3,570.67
		For Flat Filter Box And Throwaway Filters, Add	*1,828.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,503.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,230.26*	
		For Manual Roll Filter, Add	*9,163.81*	
		For Automatic Roll Filter, Add	*9,950.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,443.55*	
		For Electric Heating Coil, Add	*7,590.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,590.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,803.68*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,016.97*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,975.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,163.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,377.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,016.97*	
		For Variable Air Volume, Add	*2,202.79*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,979.97*	
		For 2 Coils, Independent Circuits, Add	*2,398.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,882.46	3,843.51
		For Flat Filter Box And Throwaway Filters, Add	*1,913.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,662.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,466.55*	
		For Manual Roll Filter, Add	*9,564.43*	
		For Automatic Roll Filter, Add	*10,384.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,646.97*	
		For Electric Heating Coil, Add	*7,925.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,925.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,105.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,286.13*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,192.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,564.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,744.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,286.13*	
		For Variable Air Volume, Add	*2,294.81*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,136.38*	
		For 2 Coils, Independent Circuits, Add	*2,516.08*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,946.73	4,118.11
		For Flat Filter Box And Throwaway Filters, Add	*1,999.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,822.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,704.44*	
		For Manual Roll Filter, Add	*9,966.64*	
		For Automatic Roll Filter, Add	*10,819.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,852.00*	
		For Electric Heating Coil, Add	*8,261.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,261.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,409.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,556.88*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,409.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,966.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,114.20*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,556.88*	
		For Variable Air Volume, Add	*2,386.83*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,949.37*	
		For 2 Coils, Independent Circuits, Add	*2,635.65*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,043.95	4,434.70
		For Flat Filter Box And Throwaway Filters, Add	*2,087.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,984.87*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,945.62*	
		For Manual Roll Filter, Add	*10,372.15*	
		For Automatic Roll Filter, Add	*11,257.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,060.31*	
		For Electric Heating Coil, Add	*8,601.54*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,601.54*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,716.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,830.93*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,628.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,372.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,486.84*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,830.93*	
		For Variable Air Volume, Add	*2,478.86*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,081.35*	
		For 2 Coils, Independent Circuits, Add	*2,758.52*	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,294.26	4,804.17
		For Flat Filter Box And Throwaway Filters, Add	*2,186.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,168.52*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,218.54*	
		For Manual Roll Filter, Add	*10,829.94*	
		For Automatic Roll Filter, Add	*11,752.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,296.26*	
		For Electric Heating Coil, Add	*8,985.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,985.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,063.10*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,140.82*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,876.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,829.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,907.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,140.82*	
		For Variable Air Volume, Add	*2,582.38*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,234.60*	
		For 2 Coils, Independent Circuits, Add	*2,898.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,514.33	5,129.28
		For Flat Filter Box And Throwaway Filters, Add	*2,284.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,350.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,488.45*	
		For Manual Roll Filter, Add	*11,284.71*	
		For Automatic Roll Filter, Add	*12,243.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,529.19*	
		For Electric Heating Coil, Add	*9,366.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,366.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,406.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,447.70*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,121.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,284.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,325.46*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,447.70*	
		For Variable Air Volume, Add	*2,685.91*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,378.78*	
		For 2 Coils, Independent Circuits, Add	*3,035.13*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,625.62	4,966.47
		For Flat Filter Box And Throwaway Filters, Add	*2,309.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,405.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,573.52*	
		For Manual Roll Filter, Add	*11,462.22*	
		For Automatic Roll Filter, Add	*12,439.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,595.78*	
		For Electric Heating Coil, Add	*9,506.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,506.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,529.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,551.26*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,219.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,462.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,484.48*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,551.26*	
		For Variable Air Volume, Add	*2,737.67*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,301.25*	
		For 2 Coils, Independent Circuits, Add	*3,053.66*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,794.58	5,510.16
		For Flat Filter Box And Throwaway Filters, Add	*2,385.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,535.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,764.36*	
		For Manual Roll Filter, Add	*11,745.49*	
		For Automatic Roll Filter, Add	*12,741.72*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,768.14*	
		For Electric Heating Coil, Add	*9,753.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,753.04*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,756.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,760.59*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,370.86*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,745.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,749.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,760.59*	
		For Variable Air Volume, Add	*2,789.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,541.02*	
		For 2 Coils, Independent Circuits, Add	*3,177.95*	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,267.48	5,731.49
		For Flat Filter Box And Throwaway Filters, Add	*2,519.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,793.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,149.93*	
		For Manual Roll Filter, Add	*12,428.90*	
		For Automatic Roll Filter, Add	*13,484.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,094.13*	
		For Electric Heating Coil, Add	*10,317.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,317.31*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,261.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,205.72*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,742.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,428.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,373.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,205.72*	
		For Variable Air Volume, Add	*2,956.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,030.32*	
		For 2 Coils, Independent Circuits, Add	*3,349.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,818.67	5,953.45
		For Flat Filter Box And Throwaway Filters, Add	*2,656.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,057.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,543.32*	
		For Manual Roll Filter, Add	*13,120.13*	
		For Automatic Roll Filter, Add	*14,235.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,427.95*	
		For Electric Heating Coil, Add	*10,889.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,889.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,774.04*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,658.68*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,117.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,120.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,004.77*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,658.68*	
		For Variable Air Volume, Add	*3,123.02*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,102.28*	
		For 2 Coils, Independent Circuits, Add	*3,528.01*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	32,461.50	6,182.43
		For Flat Filter Box And Throwaway Filters, Add	*2,806.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,348.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,978.74*	
		For Manual Roll Filter, Add	*13,894.47*	
		For Automatic Roll Filter, Add	*15,077.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,795.59*	
		For Electric Heating Coil, Add	*11,528.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,528.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,345.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,161.89*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,538.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,894.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,711.33*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,161.89*	
		For Variable Air Volume, Add	*3,312.81*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,159.71*	
		For 2 Coils, Independent Circuits, Add	*3,719.41*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	34,174.27	6,411.66
		For Flat Filter Box And Throwaway Filters, Add	*2,959.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,644.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,421.15*	
		For Manual Roll Filter, Add	*14,675.81*	
		For Automatic Roll Filter, Add	*15,926.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,170.22*	
		For Electric Heating Coil, Add	*12,173.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,173.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,923.02*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,672.08*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,963.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,675.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,424.88*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,672.08*	
		For Variable Air Volume, Add	*3,502.61*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,231.13*	
		For 2 Coils, Independent Circuits, Add	*3,917.80*	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	38,089.64	6,873.75
		For Flat Filter Box And Throwaway Filters, Add	*3,317.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,340.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,874.98*	
		For Manual Roll Filter, Add	*15,679.87*	
		For Automatic Roll Filter, Add	*16,527.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,635.37*	
		For Electric Heating Coil, Add	*7,200.65*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,288.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,874.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,461.78*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,557.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,114.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,701.39*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,874.98*	
		For Variable Air Volume, Add	*3,956.97*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,454.47*	
		For 2 Coils, Independent Circuits, Add	*4,374.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	42,253.99	7,408.04
		For Flat Filter Box And Throwaway Filters, Add	*3,694.34*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,070.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,133.59*	
		For Manual Roll Filter, Add	*17,511.15*	
		For Automatic Roll Filter, Add	*18,460.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,388.67*	
		For Electric Heating Coil, Add	*8,021.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,715.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,133.59*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,551.95*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,439.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,878.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,296.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,133.59*	
		For Variable Air Volume, Add	*4,428.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,593.72*	
		For 2 Coils, Independent Circuits, Add	*4,858.05*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	46,801.18	7,937.57
		For Flat Filter Box And Throwaway Filters, Add	*4,112.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,885.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,543.45*	
		For Manual Roll Filter, Add	*19,570.52*	
		For Automatic Roll Filter, Add	*20,634.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,225.45*	
		For Electric Heating Coil, Add	*8,934.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,316.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,543.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,770.78*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,430.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,861.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,088.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*13,543.45*	
		For Variable Air Volume, Add	*4,963.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,720.87*	
		For 2 Coils, Independent Circuits, Add	*5,389.18*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	57,561.50	8,548.55
		For Flat Filter Box And Throwaway Filters, Add	*5,145.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,925.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*17,094.64*	
		For Manual Roll Filter, Add	*24,804.82*	
		For Automatic Roll Filter, Add	*26,165.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,291.55*	
		For Electric Heating Coil, Add	*11,198.63*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,362.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,094.64*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,826.94*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,948.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,897.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,630.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*17,094.64*	
		For Variable Air Volume, Add	*6,349.56*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,871.32*	
		For 2 Coils, Independent Circuits, Add	*6,663.23*	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	64,294.80	9,124.32
		For Flat Filter Box And Throwaway Filters, Add	*5,778.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,165.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,246.91*	
		For Manual Roll Filter, Add	*27,962.75*	
		For Automatic Roll Filter, Add	*29,500.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,556.45*	
		For Electric Heating Coil, Add	*12,581.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,810.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,246.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,683.42*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*13,468.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,937.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*24,373.88*	
		For Hot Water Heating Coil, Copper Fins, Add	*19,246.91*	
		For Variable Air Volume, Add	*7,177.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,718.77*	
		For 2 Coils, Independent Circuits, Add	*7,454.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	70,434.40	9,825.55
		For Flat Filter Box And Throwaway Filters, Add	*6,341.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,263.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,144.66*	
		For Manual Roll Filter, Add	*30,733.49*	
		For Automatic Roll Filter, Add	*32,425.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,683.93*	
		For Electric Heating Coil, Add	*13,812.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,964.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,144.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*18,324.42*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,802.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,605.40*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,785.15*	
		For Hot Water Heating Coil, Copper Fins, Add	*21,144.66*	
		For Variable Air Volume, Add	*7,896.68*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,869.43*	
		For 2 Coils, Independent Circuits, Add	*8,171.54*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	77,276.00	10,670.32
		For Flat Filter Box And Throwaway Filters, Add	*6,965.45*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,473.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,235.86*	
		For Manual Roll Filter, Add	*33,781.48*	
		For Automatic Roll Filter, Add	*35,642.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,930.91*	
		For Electric Heating Coil, Add	*15,171.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*26,337.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,235.86*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,134.21*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,270.41*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*32,540.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*29,439.17*	
		For Hot Water Heating Coil, Copper Fins, Add	*23,235.86*	
		For Variable Air Volume, Add	*8,684.63*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,051.44*	
		For 2 Coils, Independent Circuits, Add	*8,968.26*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	83,164.04	11,317.48
		For Flat Filter Box And Throwaway Filters, Add	*7,508.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,531.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,067.38*	
		For Manual Roll Filter, Add	*36,458.05*	
		For Automatic Roll Filter, Add	*38,468.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,016.80*	
		For Electric Heating Coil, Add	*16,356.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*28,417.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,067.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*21,717.19*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*17,558.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,117.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,767.77*	
		For Hot Water Heating Coil, Copper Fins, Add	*25,067.38*	
		For Variable Air Volume, Add	*9,380.55*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,189.02*	
		For 2 Coils, Independent Circuits, Add	*9,656.48*	
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	89,698.04	12,106.93
		For Flat Filter Box And Throwaway Filters, Add	*8,102.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,683.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,055.93*	
		For Manual Roll Filter, Add	*39,354.50*	
		For Automatic Roll Filter, Add	*41,524.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,204.26*	
		For Electric Heating Coil, Add	*17,651.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*30,673.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,055.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*23,438.71*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,953.80*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*37,907.61*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*34,290.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*27,055.93*	
		For Variable Air Volume, Add	*10,128.23*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,999.19*	
		For 2 Coils, Independent Circuits, Add	*10,416.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	96,812.14	13,072.11
		For Flat Filter Box And Throwaway Filters, Add	*8,747.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,934.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*29,215.46*	
		For Manual Roll Filter, Add	*42,498.75*	
		For Automatic Roll Filter, Add	*44,842.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,494.91*	
		For Electric Heating Coil, Add	*19,057.65*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*33,122.31*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,215.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,308.61*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,468.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,936.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*37,029.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*29,215.46*	
		For Variable Air Volume, Add	*10,939.18*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,164.39*	
		For 2 Coils, Independent Circuits, Add	*11,243.95*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	100,856.45	13,686.10
		For Flat Filter Box And Throwaway Filters, Add	*9,109.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,634.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,420.98*	
		For Manual Roll Filter, Add	*44,249.01*	
		For Automatic Roll Filter, Add	*46,689.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,219.78*	
		For Electric Heating Coil, Add	*19,846.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,488.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,420.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,353.92*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,311.09*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,622.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,555.12*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,420.98*	
		For Variable Air Volume, Add	*11,387.79*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,269.39*	
		For 2 Coils, Independent Circuits, Add	*11,712.47*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	104,668.76	14,212.49
		For Flat Filter Box And Throwaway Filters, Add	*9,452.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,296.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,562.22*	
		For Manual Roll Filter, Add	*45,907.06*	
		For Automatic Roll Filter, Add	*48,438.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,905.01*	
		For Electric Heating Coil, Add	*20,592.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*35,781.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,562.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,343.15*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,109.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*44,219.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,000.36*	
		For Hot Water Heating Coil, Copper Fins, Add	*31,562.22*	
		For Variable Air Volume, Add	*11,813.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,365.92*	
		For 2 Coils, Independent Circuits, Add	*12,154.50*	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	112,851.68	15,177.54
		For Flat Filter Box And Throwaway Filters, Add	*10,200.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,750.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*34,075.13*	
		For Manual Roll Filter, Add	*49,572.30*	
		For Automatic Roll Filter, Add	*52,307.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,401.15*	
		For Electric Heating Coil, Add	*22,224.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,633.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*34,075.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,517.13*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*23,874.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*47,749.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*43,191.11*	
		For Hot Water Heating Coil, Copper Fins, Add	*34,075.13*	
		For Variable Air Volume, Add	*12,762.38*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,541.48*	
		For 2 Coils, Independent Circuits, Add	*13,108.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	123,448.19	16,230.32
		For Flat Filter Box And Throwaway Filters, Add	*11,184.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,672.42*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,404.53*	
		For Manual Roll Filter, Add	*54,445.13*	
		For Automatic Roll Filter, Add	*57,452.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*22,368.70*	
		For Electric Heating Coil, Add	*24,373.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*42,416.47*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*37,404.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,392.59*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*26,220.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*52,440.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*47,428.41*	
		For Hot Water Heating Coil, Copper Fins, Add	*37,404.53*	
		For Variable Air Volume, Add	*14,033.44*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,220.94*	
		For 2 Coils, Independent Circuits, Add	*14,349.60*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	135,328.84	17,546.29
		For Flat Filter Box And Throwaway Filters, Add	*12,279.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*23,807.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*41,098.56*	
		For Manual Roll Filter, Add	*59,843.23*	
		For Automatic Roll Filter, Add	*63,151.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*24,559.16*	
		For Electric Heating Coil, Add	*26,764.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*46,611.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*41,098.56*	
		For Steam Heating Coil, Aluminum Fins, Add	*35,585.43*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*28,818.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*57,637.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*52,124.84*	
		For Hot Water Heating Coil, Copper Fins, Add	*41,098.56*	
		For Variable Air Volume, Add	*15,436.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,406.61*	
		For 2 Coils, Independent Circuits, Add	*15,738.14*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	148,559.38	19,037.72
		For Flat Filter Box And Throwaway Filters, Add	*13,493.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*26,169.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*45,184.35*	
		For Manual Roll Filter, Add	*65,807.67*	
		For Automatic Roll Filter, Add	*69,447.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*26,987.30*	
		For Electric Heating Coil, Add	*29,413.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*51,250.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*45,184.35*	
		For Steam Heating Coil, Aluminum Fins, Add	*39,118.67*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*31,690.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*63,381.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*57,315.71*	
		For Hot Water Heating Coil, Copper Fins, Add	*45,184.35*	
		For Variable Air Volume, Add	*16,983.91*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,624.57*	
		For 2 Coils, Independent Circuits, Add	*17,282.21*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,828.20	1,578.92
		For Economizer, Panel, Controls And Damper(s), Add	*2,218.61*	
		For Flat Filter Box And Throwaway Filters, Add	*770.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,472.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,868.78*	
		For Manual Roll Filter, Add	*3,840.69*	
		For Automatic Roll Filter, Add	*3,840.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*882.82*	
		For Electric Heating Coil, Add	*1,014.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,183.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,183.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,840.69*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,840.69*	
		For 2 Coils, Independent Circuits, Add	*1,014.28*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,001.16	1,978.09
		For Economizer, Panel, Controls And Damper(s), Add	*2,618.16*	
		For Flat Filter Box And Throwaway Filters, Add	*958.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,832.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,326.40*	
		For Manual Roll Filter, Add	*4,778.97*	
		For Automatic Roll Filter, Add	*4,778.97*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,100.12*	
		For Electric Heating Coil, Add	*1,263.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,961.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,961.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,778.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,778.97*	
		For 2 Coils, Independent Circuits, Add	*1,263.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,606.36	2,105.30
		For Economizer, Panel, Controls And Damper(s), Add	*2,745.14*	
		For Flat Filter Box And Throwaway Filters, Add	*1,210.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,330.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,950.49*	
		For Manual Roll Filter, Add	*6,130.20*	
		For Automatic Roll Filter, Add	*6,130.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,360.64*	
		For Electric Heating Coil, Add	*1,572.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,070.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,070.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,130.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,130.20*	
		For 2 Coils, Independent Circuits, Add	*1,572.62*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,147.48	2,254.44
		For Economizer, Panel, Controls And Damper(s), Add	*2,893.86*	
		For Flat Filter Box And Throwaway Filters, Add	*1,253.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,410.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,053.90*	
		For Manual Roll Filter, Add	*6,332.20*	
		For Automatic Roll Filter, Add	*6,332.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,414.75*	
		For Electric Heating Coil, Add	*1,633.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,239.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,239.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,332.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,332.20*	
		For 2 Coils, Independent Circuits, Add	*1,633.30*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,557.64	2,416.75
		For Economizer, Panel, Controls And Damper(s), Add	*3,056.85*	
		For Flat Filter Box And Throwaway Filters, Add	*1,483.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,862.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,621.51*	
		For Manual Roll Filter, Add	*7,553.01*	
		For Automatic Roll Filter, Add	*7,553.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,655.76*	
		For Electric Heating Coil, Add	*1,917.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,242.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,242.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,553.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,553.01*	
		For 2 Coils, Independent Circuits, Add	*1,917.86*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,459.36	2,588.08
		For Economizer, Panel, Controls And Damper(s), Add	*3,227.94*	
		For Flat Filter Box And Throwaway Filters, Add	*1,561.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,011.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,810.28*	
		For Manual Roll Filter, Add	*7,938.97*	
		For Automatic Roll Filter, Add	*7,938.97*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,745.94*	
		For Electric Heating Coil, Add	*2,021.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,562.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,562.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,938.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,938.97*	
		For 2 Coils, Independent Circuits, Add	*2,021.18*	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,408.11	2,763.41
		For Economizer, Panel, Controls And Damper(s), Add	*3,403.19*	
		For Flat Filter Box And Throwaway Filters, Add	*1,643.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,168.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,009.91*	
		For Manual Roll Filter, Add	*8,348.12*	
		For Automatic Roll Filter, Add	*8,348.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,840.81*	
		For Electric Heating Coil, Add	*2,130.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,902.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,902.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,348.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,348.12*	
		For 2 Coils, Independent Circuits, Add	*2,130.02*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,536.36	2,965.32
		For Economizer, Panel, Controls And Damper(s), Add	*3,074.86*	
		For Flat Filter Box And Throwaway Filters, Add	*1,842.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,557.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,500.04*	
		For Manual Roll Filter, Add	*9,392.84*	
		For Automatic Roll Filter, Add	*9,392.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,053.64*	
		For Electric Heating Coil, Add	*2,379.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,761.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,761.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,392.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,392.84*	
		For 2 Coils, Independent Circuits, Add	*2,379.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,448.39	3,175.63
		For Economizer, Panel, Controls And Damper(s), Add	*3,245.27*	
		For Flat Filter Box And Throwaway Filters, Add	*2,018.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,899.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,931.57*	
		For Manual Roll Filter, Add	*10,305.03*	
		For Automatic Roll Filter, Add	*10,305.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,244.84*	
		For Electric Heating Coil, Add	*2,603.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,513.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,513.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,305.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,305.03*	
		For 2 Coils, Independent Circuits, Add	*2,603.07*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,731.84	3,391.70
		For Economizer, Panel, Controls And Damper(s), Add	*3,408.89*	
		For Flat Filter Box And Throwaway Filters, Add	*2,131.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,117.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,207.81*	
		For Manual Roll Filter, Add	*10,877.05*	
		For Automatic Roll Filter, Add	*10,877.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,373.18*	
		For Electric Heating Coil, Add	*2,751.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,987.31*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,987.31*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,877.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,877.05*	
		For 2 Coils, Independent Circuits, Add	*2,751.13*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,171.59	3,623.56
		For Economizer, Panel, Controls And Damper(s), Add	*3,598.42*	
		For Flat Filter Box And Throwaway Filters, Add	*2,358.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,561.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,766.06*	
		For Manual Roll Filter, Add	*12,063.85*	
		For Automatic Roll Filter, Add	*12,063.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,617.16*	
		For Electric Heating Coil, Add	*3,037.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,964.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,964.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,063.85*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,063.85*	
		For 2 Coils, Independent Circuits, Add	*3,037.01*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,846.72	3,877.98
		For Economizer, Panel, Controls And Damper(s), Add	*3,796.71*	
		For Flat Filter Box And Throwaway Filters, Add	*2,507.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,849.21*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,130.76*	
		For Manual Roll Filter, Add	*12,822.93*	
		For Automatic Roll Filter, Add	*12,822.93*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,784.67*	
		For Electric Heating Coil, Add	*3,230.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,592.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,592.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,822.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,822.93*	
		For 2 Coils, Independent Circuits, Add	*3,230.82*	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,536.71	4,211.11
		For Economizer, Panel, Controls And Damper(s), Add	*4,056.08*	
		For Flat Filter Box And Throwaway Filters, Add	*2,753.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,325.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,732.52*	
		For Manual Roll Filter, Add	*14,090.21*	
		For Automatic Roll Filter, Add	*14,090.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,053.67*	
		For Electric Heating Coil, Add	*3,544.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,637.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,637.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,090.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,090.21*	
		For 2 Coils, Independent Circuits, Add	*3,544.18*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,810.27	4,535.84
		For Economizer, Panel, Controls And Damper(s), Add	*4,312.37*	
		For Flat Filter Box And Throwaway Filters, Add	*2,957.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,720.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,231.01*	
		For Manual Roll Filter, Add	*15,130.99*	
		For Automatic Roll Filter, Add	*15,130.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,281.03*	
		For Electric Heating Coil, Add	*3,807.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,497.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,497.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,130.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,130.99*	
		For 2 Coils, Independent Circuits, Add	*3,807.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,434.39	4,904.19
		For Economizer, Panel, Controls And Damper(s), Add	*3,736.78*	
		For Flat Filter Box And Throwaway Filters, Add	*3,093.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,977.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,559.81*	
		For Manual Roll Filter, Add	*15,792.54*	
		For Automatic Roll Filter, Add	*15,792.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,443.44*	
		For Electric Heating Coil, Add	*3,992.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,048.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,048.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,792.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,792.54*	
		For 2 Coils, Independent Circuits, Add	*3,992.29*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,208.22	5,289.95
		For Economizer, Panel, Controls And Damper(s), Add	*3,964.57*	
		For Flat Filter Box And Throwaway Filters, Add	*3,442.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,658.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,417.84*	
		For Manual Roll Filter, Add	*17,611.88*	
		For Automatic Roll Filter, Add	*17,611.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,820.82*	
		For Electric Heating Coil, Add	*4,433.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,547.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,547.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,611.88*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,611.88*	
		For 2 Coils, Independent Circuits, Add	*4,433.76*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,236.23	5,702.29
		For Economizer, Panel, Controls And Damper(s), Add	*4,200.64*	
		For Flat Filter Box And Throwaway Filters, Add	*3,616.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,987.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,836.32*	
		For Manual Roll Filter, Add	*18,461.71*	
		For Automatic Roll Filter, Add	*18,461.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,023.62*	
		For Electric Heating Coil, Add	*4,665.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,253.25*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,253.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,461.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,461.71*	
		For 2 Coils, Independent Circuits, Add	*4,665.32*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	42,481.95	6,176.30
		For Economizer, Panel, Controls And Damper(s), Add	*4,458.05*	
		For Flat Filter Box And Throwaway Filters, Add	*3,808.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,353.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,301.22*	
		For Manual Roll Filter, Add	*19,407.26*	
		For Automatic Roll Filter, Add	*19,407.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,248.20*	
		For Electric Heating Coil, Add	*4,921.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,038.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,038.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,407.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,407.26*	
		For 2 Coils, Independent Circuits, Add	*4,921.93*	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,902.00	6,667.21
		For Economizer, Panel, Controls And Damper(s), Add	*4,039.25*	
		For Flat Filter Box And Throwaway Filters, Add	*4,013.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,741.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,795.87*	
		For Manual Roll Filter, Add	*20,407.22*	
		For Automatic Roll Filter, Add	*20,407.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,490.20*	
		For Electric Heating Coil, Add	*5,197.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,870.11*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,870.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,407.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,407.22*	
		For 2 Coils, Independent Circuits, Add	*5,197.62*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,166.33	6,922.01
		For Economizer, Panel, Controls And Damper(s), Add	*4,153.57*	
		For Flat Filter Box And Throwaway Filters, Add	*4,121.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,944.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,054.80*	
		For Manual Roll Filter, Add	*20,931.12*	
		For Automatic Roll Filter, Add	*20,931.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,616.63*	
		For Electric Heating Coil, Add	*5,341.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,305.68*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,305.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,931.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,931.12*	
		For 2 Coils, Independent Circuits, Add	*5,341.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	47,373.38	7,169.03
		For Economizer, Panel, Controls And Damper(s), Add	*4,250.71*	
		For Flat Filter Box And Throwaway Filters, Add	*4,225.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,144.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,307.99*	
		For Manual Roll Filter, Add	*21,449.29*	
		For Automatic Roll Filter, Add	*21,449.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,737.34*	
		For Electric Heating Coil, Add	*5,480.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,735.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,735.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,449.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,449.29*	
		For 2 Coils, Independent Circuits, Add	*5,480.09*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	53,570.66	7,457.17
		For Economizer, Panel, Controls And Damper(s), Add	*3,536.32*	
		For Flat Filter Box And Throwaway Filters, Add	*4,822.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,325.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,790.43*	
		For Manual Roll Filter, Add	*24,657.15*	
		For Automatic Roll Filter, Add	*24,657.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,357.07*	
		For Electric Heating Coil, Add	*6,214.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,368.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,368.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*24,657.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*24,657.15*	
		For 2 Coils, Independent Circuits, Add	*6,214.85*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	59,720.79	7,752.57
		For Economizer, Panel, Controls And Damper(s), Add	*3,674.05*	
		For Flat Filter Box And Throwaway Filters, Add	*5,418.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,503.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,268.15*	
		For Manual Roll Filter, Add	*27,860.30*	
		For Automatic Roll Filter, Add	*27,860.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,972.08*	
		For Electric Heating Coil, Add	*6,944.89*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,996.25*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,996.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*27,860.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,860.30*	
		For 2 Coils, Independent Circuits, Add	*6,944.89*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	68,692.49	8,044.97
		For Economizer, Panel, Controls And Damper(s), Add	*3,745.14*	
		For Flat Filter Box And Throwaway Filters, Add	*6,294.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,245.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*15,450.15*	
		For Manual Roll Filter, Add	*32,611.94*	
		For Automatic Roll Filter, Add	*32,611.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,869.25*	
		For Electric Heating Coil, Add	*8,013.37*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*26,891.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*26,891.34*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*32,611.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*32,611.94*	
		For 2 Coils, Independent Circuits, Add	*8,013.37*	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	77,669.94	8,334.49
		For Economizer, Panel, Controls And Damper(s), Add	*3,817.23*	
		For Flat Filter Box And Throwaway Filters, Add	*7,172.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,987.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*17,632.71*	
		For Manual Roll Filter, Add	*37,364.16*	
		For Automatic Roll Filter, Add	*37,364.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,766.99*	
		For Electric Heating Coil, Add	*9,082.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*30,787.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,787.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*37,364.16*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*37,364.16*	
		For 2 Coils, Independent Circuits, Add	*9,082.42*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	87,222.34	9,036.34
		For Economizer, Panel, Controls And Damper(s), Add	*3,993.54*	
		For Flat Filter Box And Throwaway Filters, Add	*8,076.94*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,050.88*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,869.70*	
		For Manual Roll Filter, Add	*31,017.16*	
		For Automatic Roll Filter, Add	*38,448.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,722.23*	
		For Electric Heating Coil, Add	*10,208.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,017.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,017.16*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,153.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*38,448.80*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,448.80*	
		For 2 Coils, Independent Circuits, Add	*10,208.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	94,068.98	9,825.92
		For Economizer, Panel, Controls And Damper(s), Add	*3,859.01*	
		For Flat Filter Box And Throwaway Filters, Add	*8,708.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,993.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,423.23*	
		For Manual Roll Filter, Add	*33,439.57*	
		For Automatic Roll Filter, Add	*41,450.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,406.90*	
		For Electric Heating Coil, Add	*11,009.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*33,439.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*33,439.57*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,417.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*41,450.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,450.46*	
		For 2 Coils, Independent Circuits, Add	*11,009.08*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	112,277.64	10,615.13
		For Economizer, Panel, Controls And Damper(s), Add	*4,039.15*	
		For Flat Filter Box And Throwaway Filters, Add	*10,469.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,628.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,795.26*	
		For Manual Roll Filter, Add	*40,362.76*	
		For Automatic Roll Filter, Add	*50,074.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,227.76*	
		For Electric Heating Coil, Add	*13,170.10*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,362.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*40,362.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,939.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,074.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*50,074.42*	
		For 2 Coils, Independent Circuits, Add	*13,170.10*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	126,945.28	11,492.81
		For Economizer, Panel, Controls And Damper(s), Add	*4,224.25*	
		For Flat Filter Box And Throwaway Filters, Add	*11,874.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,730.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*29,277.07*	
		For Manual Roll Filter, Add	*45,859.62*	
		For Automatic Roll Filter, Add	*56,914.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,694.53*	
		For Electric Heating Coil, Add	*14,905.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*45,859.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*45,859.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*23,749.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*56,914.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*56,914.64*	
		For 2 Coils, Independent Circuits, Add	*14,905.53*	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	137,596.76	12,370.51
		For Economizer, Panel, Controls And Damper(s), Add	*4,416.98*	
		For Flat Filter Box And Throwaway Filters, Add	*12,875.68*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,225.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,747.21*	
		For Manual Roll Filter, Add	*49,734.74*	
		For Automatic Roll Filter, Add	*61,726.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,759.68*	
		For Electric Heating Coil, Add	*16,158.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*49,734.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*49,734.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,751.36*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*61,726.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*61,726.42*	
		For 2 Coils, Independent Circuits, Add	*16,158.01*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	153,762.90	14,475.31
		For Economizer, Panel, Controls And Damper(s), Add	*4,412.36*	
		For Flat Filter Box And Throwaway Filters, Add	*14,343.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,411.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,341.89*	
		For Manual Roll Filter, Add	*55,307.50*	
		For Automatic Roll Filter, Add	*68,617.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,376.29*	
		For Electric Heating Coil, Add	*18,038.37*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,307.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,307.50*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,686.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,617.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,617.90*	
		For 2 Coils, Independent Circuits, Add	*18,038.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	154,535.56	15,002.07
		For Economizer, Panel, Controls And Damper(s), Add	*4,508.94*	
		For Flat Filter Box And Throwaway Filters, Add	*14,381.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,465.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,419.16*	
		For Manual Roll Filter, Add	*55,384.77*	
		For Automatic Roll Filter, Add	*68,695.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,453.56*	
		For Electric Heating Coil, Add	*18,115.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,384.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,384.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,763.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,695.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,695.17*	
		For 2 Coils, Independent Circuits, Add	*18,115.64*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	161,634.78	15,527.96
		For Economizer, Panel, Controls And Damper(s), Add	*4,605.53*	
		For Flat Filter Box And Throwaway Filters, Add	*15,053.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,468.88*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,078.07*	
		For Manual Roll Filter, Add	*57,992.65*	
		For Automatic Roll Filter, Add	*71,935.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,163.48*	
		For Electric Heating Coil, Add	*18,952.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,992.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,992.65*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,106.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,935.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,935.71*	
		For 2 Coils, Independent Circuits, Add	*18,952.09*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	169,102.14	16,668.97
		For Economizer, Panel, Controls And Damper(s), Add	*4,804.61*	
		For Flat Filter Box And Throwaway Filters, Add	*15,720.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*23,461.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*38,706.00*	
		For Manual Roll Filter, Add	*60,501.79*	
		For Automatic Roll Filter, Add	*75,032.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,910.21*	
		For Electric Heating Coil, Add	*19,816.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*60,501.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*60,501.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*31,440.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*75,032.31*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*75,032.31*	
		For 2 Coils, Independent Circuits, Add	*19,816.32*	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	182,256.23	17,546.29
		For Economizer, Panel, Controls And Damper(s), Add	*4,949.40*	
		For Flat Filter Box And Throwaway Filters, Add	*16,977.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,342.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*41,820.78*	
		For Manual Roll Filter, Add	*65,415.93*	
		For Automatic Roll Filter, Add	*81,146.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,225.62*	
		For Electric Heating Coil, Add	*21,371.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*65,415.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*65,415.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*33,955.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*81,146.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*81,146.04*	
		For 2 Coils, Independent Circuits, Add	*21,371.64*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	195,939.49	18,511.33
		For Economizer, Panel, Controls And Damper(s), Add	*4,547.83*	
		For Flat Filter Box And Throwaway Filters, Add	*18,270.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*27,272.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*45,013.12*	
		For Manual Roll Filter, Add	*70,432.29*	
		For Automatic Roll Filter, Add	*87,378.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,593.95*	
		For Electric Heating Coil, Add	*22,983.17*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*70,432.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*70,432.29*	
		For Steam Heating Coil, Aluminum Fins, Add	*36,540.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*87,378.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*87,378.41*	
		For 2 Coils, Independent Circuits, Add	*22,983.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	211,077.18	19,651.84
		For Economizer, Panel, Controls And Damper(s), Add	*4,705.91*	
		For Flat Filter Box And Throwaway Filters, Add	*19,704.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*29,416.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*48,560.43*	
		For Manual Roll Filter, Add	*76,013.13*	
		For Automatic Roll Filter, Add	*94,314.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,107.72*	
		For Electric Heating Coil, Add	*24,768.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*76,013.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*76,013.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*39,409.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*94,314.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*94,314.94*	
		For 2 Coils, Independent Circuits, Add	*24,768.08*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	226,459.05	20,178.23
		For Economizer, Panel, Controls And Damper(s), Add	*4,777.49*	
		For Flat Filter Box And Throwaway Filters, Add	*21,207.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*31,666.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*52,298.53*	
		For Manual Roll Filter, Add	*81,951.15*	
		For Automatic Roll Filter, Add	*101,719.56*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*22,645.91*	
		For Electric Heating Coil, Add	*26,599.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*81,951.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*81,951.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*42,414.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*101,719.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*101,719.56*	
		For 2 Coils, Independent Circuits, Add	*26,599.59*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,833.65	701.72
23 73 13 00-0090	EA	500 CFM Return Air Fan	4,975.15	842.10
23 73 13 00-0091	EA	750 CFM Return Air Fan	5,196.88	877.19
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,936.07	929.82
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	6,115.88	973.70
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	6,256.48	1,017.56
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	6,566.13	1,070.20
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	7,305.30	1,122.83
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	7,653.87	1,175.47
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,846.27	1,228.12
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	8,307.25	1,359.71
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	8,524.91	1,429.90
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	8,729.75	1,491.31
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	8,986.44	1,561.62
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	9,216.24	1,640.58
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	9,647.95	1,833.59
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	10,956.74	2,175.74
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	11,241.95	2,210.83
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	11,371.08	2,219.60
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	11,968.70	2,254.70
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	12,236.47	2,281.02
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	12,873.79	2,369.12
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	13,715.25	2,412.49
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	15,494.23	2,481.04
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	16,894.95	2,614.28
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	20,103.39	2,728.07
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	21,068.03	2,823.20
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	22,027.32	2,903.91
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	23,343.90	3,193.42
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	24,960.13	3,368.64
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	28,168.93	3,508.88
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	33,200.41	3,859.81
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	40,863.41	4,386.20
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	49,759.44	4,544.49
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	52,088.67	4,675.71
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	53,286.57	4,798.53
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	55,883.92	5,008.96
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	58,697.26	5,255.61
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	63,135.90	5,513.42
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	65,935.47	5,805.69
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	68,078.89	6,136.31
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	73,204.31	6,417.18
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	78,758.57	6,724.12
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	84,786.54	7,062.88
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	92,779.05	7,439.12

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	3,213.61	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	4,359.33	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	5,422.96	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	9,894.53	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,269.60	2,047.10
		For Unit Without Heat, Deduct	*-449.95*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,073.89	2,140.16
		For Unit Without Heat, Deduct	*-496.37*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,412.86	2,233.21
		For Unit Without Heat, Deduct	*-569.52*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,021.64	2,372.78
		For Unit Without Heat, Deduct	*-659.27*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,849.78	2,512.36
		For Unit Without Heat, Deduct	*-709.98*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,601.59	2,698.46
		For Unit Without Heat, Deduct	*-809.98*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,069.95	2,838.04
		For Unit Without Heat, Deduct	*-942.70*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,891.32	3,024.14
		For Unit Without Heat, Deduct	*-996.18*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,463.62	3,267.93
		For Unit Without Heat, Deduct	*-1,191.07*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,128.57	3,512.65
		For Unit Without Heat, Deduct	*-1,290.61*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	24,120.17	3,756.75
		For Unit Without Heat, Deduct	*-1,456.47*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,180.11	4,001.16
		For Unit Without Heat, Deduct	*-1,625.75*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,247.99	4,408.10
		For Unit Without Heat, Deduct	*-1,806.28*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,281.19	4,815.36
		For Unit Without Heat, Deduct	*-1,935.08*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,688.32	5,269.13
		For Unit Without Heat, Deduct	*-2,085.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	37,872.88	5,722.60
		For Unit Without Heat, Deduct	*-2,275.15*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	43,918.67	6,676.36
		For Unit Without Heat, Deduct	*-2,641.02*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	50,407.14	7,630.12
		For Unit Without Heat, Deduct	*-3,029.03*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,164.67*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	55,174.43	8,607.15
		For Unit Without Heat, Deduct	*-3,332.53*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,164.67*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	63,590.09	9,584.18
		For Unit Without Heat, Deduct	*-3,818.45*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,164.67*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	70,799.23	10,514.68
		For Unit Without Heat, Deduct	*-4,240.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,684.42*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	76,564.55	11,445.18
		For Unit Without Heat, Deduct	*-4,591.24*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,684.42*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	82,073.45	12,375.69
		For Unit Without Heat, Deduct	*-4,928.72*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,917.17*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	88,262.99	13,306.19
		For Unit Without Heat, Deduct	*-5,300.23*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,917.17*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	95,601.84	14,329.74
		For Unit Without Heat, Deduct	*-5,735.41*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,247.33*	

23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 74 16 13-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	6,128.91	1,861.00
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0029	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	7,152.42	2,140.16
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0030	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	8,994.93	2,465.83
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	10,195.65	2,651.93
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	11,525.17	2,861.29
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	13,455.23	3,000.87
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	16,726.14	2,489.09
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	17,215.32	3,349.81
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	21,455.38	3,628.96
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	23,335.37	3,908.11
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	27,083.41	4,187.26
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	34,233.57	4,466.41
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	41,742.23	4,931.66
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	49,250.87	5,334.88
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	50,777.57	5,862.17
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	53,036.06	6,327.41
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	59,089.76	7,397.50
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	65,696.32	8,467.57
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,164.67*	
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	71,151.31	9,537.65
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,164.67*	
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	76,018.85	10,607.74
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,164.67*	
23 74 16 13-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	83,610.51	11,677.81
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,684.42*	
23 74 16 13-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	90,886.89	12,747.89
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,684.42*	
23 74 16 13-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	98,039.73	13,282.93
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,917.17*	
23 74 16 13-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	105,268.00	13,794.71
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,917.17*	
23 74 16 13-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	115,641.49	14,329.74
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,247.33*	
23 74 16 13-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	110,198.73	14,888.05
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,247.33*	
23 74 16 13-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	158,837.89	17,493.45
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,247.33*	
23 74 16 13-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	179,059.22	21,308.51
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,247.33*	

23 74 16 13-0056 Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls.

23 74 16 13-0057 AAON RQ Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 74 16 13-0058	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002)	15,406.01	1,861.00
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,636.56*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,775.57*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,397.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,599.85*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0059	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003)	16,801.06	2,140.16
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0060	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004)	17,468.71	2,465.83
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0061	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005)	17,924.05	2,651.93
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0062	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006)	19,606.34	3,233.56
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	

23 74 16 13-0063 AAON RNA Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 74 16 13-0064	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006)	23,700.37	2,861.35
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0065	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007)	25,300.11	3,000.93
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0066	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008)	29,040.77	3,233.56
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0067	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010)	29,334.85	3,349.81
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	

23 74 16 13-0068 AAON RNB Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 74 16 13-0069	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)	34,776.95	3,349.81
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0070	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)	35,038.43	3,256.76
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0071	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)	38,204.60	3,628.96
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0072	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)	39,185.28	3,908.11
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	

23 74 16 13-0073 AAON RNC Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0074	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)	50,441.90	3,908.11
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0075	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)	54,491.13	4,187.26
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0076	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)	57,740.43	4,466.41
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0077	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)	62,487.65	5,396.92
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0078	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)	70,875.18	6,327.41
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	

23 74 16 13-0079 AAON RND Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0080	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026)	94,817.67	5,396.92
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0081	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031)	108,046.71	6,327.41
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0082	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040)	127,341.95	8,467.57
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0083	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050)	149,367.43	10,607.74
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0084	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060)	164,114.91	12,747.89
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0085	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070)	172,715.22	13,794.77
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	

23 74 16 13-0086 AAON RNE Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0087	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055)	159,446.49	11,677.81
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0088	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065)	175,657.43	13,282.99
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0089	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075)	186,780.78	14,329.74
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0090	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090)	226,153.08	19,400.98
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0091	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105)	245,016.86	22,145.97
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0092	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120)	285,640.69	24,379.16
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0093	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130)	292,679.70	25,867.97
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0094	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140)	306,842.44	28,938.65
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	

23 74 16 13-0095 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 74 16 13-0096 Packaged Rooftop Heat Pump Units *(23 74 16 13-0095)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0097	EA	2 Ton Packaged Rooftop Heat Pump	7,307.45	1,674.90
		For Economizer With Outside Air Control, Add	*2,182.20*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.71*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0098	EA	2.5 Ton Packaged Rooftop Heat Pump	7,697.98	1,800.59
		For Economizer With Outside Air Control, Add	*2,312.78*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*264.86*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0099	EA	3 Ton Packaged Rooftop Heat Pump	8,144.27	1,926.14
		For Economizer With Outside Air Control, Add	*2,455.07*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*278.80*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0100	EA	3.5 Ton Packaged Rooftop Heat Pump	8,740.23	2,072.66
		For Economizer With Outside Air Control, Add	*2,397.82*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*298.83*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0101	EA	4 Ton Packaged Rooftop Heat Pump	9,336.45	2,219.31
		For Economizer With Outside Air Control, Add	*2,563.67*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*318.87*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0102	EA	5 Ton Packaged Rooftop Heat Pump	10,007.69	2,386.81
		For Economizer With Outside Air Control, Add	*2,751.47*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.01*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0103	EA	6 Ton Packaged Rooftop Heat Pump	11,247.77	2,575.13
		For Economizer With Outside Air Control, Add	*3,045.20*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*234.43*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0104	EA	7.5 Ton Packaged Rooftop Heat Pump	14,400.01	2,700.82
		For Economizer With Outside Air Control, Add	*3,096.40*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*323.97*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0105	EA	8.5 Ton Packaged Rooftop Heat Pump	16,095.15	2,910.12
		For Economizer With Outside Air Control, Add	*3,283.74*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*366.45*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0106	EA	10 Ton Packaged Rooftop Heat Pump	17,293.44	3,014.83
		For Economizer With Outside Air Control, Add	*3,337.25*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*265.47*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0107	EA	12.5 Ton Packaged Rooftop Heat Pump	20,037.48	3,266.07
		For Economizer With Outside Air Control, Add	*3,745.65*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*313.65*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0108	EA	15 Ton Packaged Rooftop Heat Pump	22,781.53	3,517.30
		For Economizer With Outside Air Control, Add	*4,154.05*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*361.84*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0109	EA	17.5 Ton Packaged Rooftop Heat Pump	25,497.02	3,768.53
		For Economizer With Outside Air Control, Add	*4,559.59*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*409.45*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0110	EA	20 Ton Packaged Rooftop Heat Pump	28,212.50	4,019.77
		For Economizer With Outside Air Control, Add	*4,965.13*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*457.06*	
		For Unit Without Roof Curb, Deduct	*-989.50*	

23 74 16 13-0111 Heating Only Packaged Rooftop Units *(23 74 16 13-0095)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0112	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,180.24	1,674.90
		For Gas Heat, Add	*457.95*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0113	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,429.67	1,926.14
		For Gas Heat, Add	*538.71*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0114	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,473.89	2,219.31
		For Gas Heat, Add	*743.99*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0115	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	12,926.47	2,386.81
		For Gas Heat, Add	*841.21*	
		For Unit Without Roof Curb, Deduct	*-824.58*	
23 74 16 13-0116	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,174.10	2,700.82
		For Gas Heat, Add	*990.17*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0117	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	17,072.27	2,910.12
		For Gas Heat, Add	*1,117.46*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0118	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	20,138.09	3,014.83
		For Gas Heat, Add	*1,329.27*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0119	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	26,096.88	3,517.30
		For Gas Heat, Add	*1,732.99*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0120	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	34,332.12	3,768.53
		For Gas Heat, Add	*2,302.75*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0121	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	40,018.89	4,019.77
		For Gas Heat, Add	*2,694.13*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0122	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	51,916.38	4,438.50
		For Gas Heat, Add	*3,515.79*	
		For Unit Without Roof Curb, Deduct	*-989.50*	
23 74 16 13-0123	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	64,884.87	5,648.16
		For Gas Heat, Add	*4,401.25*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	
23 74 16 13-0124	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	72,502.43	5,694.68
		For Gas Heat, Add	*4,923.31*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	
23 74 16 13-0125	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	88,236.35	6,657.81
		For Gas Heat, Add	*5,999.00*	
		For Unit Without Roof Curb, Deduct	*-1,437.10*	
23 74 16 13-0126	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	114,428.85	8,583.95
		For Gas Heat, Add	*7,781.12*	
		For Unit Without Roof Curb, Deduct	*-2,164.67*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0838 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0839 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,208.34	558.30
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,183.35*	
		For Equipment Base Roof Curb, Add	*998.13*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,608.11	632.74
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,862.96*	
		For Equipment Base Roof Curb, Add	*1,294.07*	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,758.52	744.41
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,055.36*	
		For Equipment Base Roof Curb, Add	*1,807.60*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,881.06	794.03
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,064.20*	
		For Equipment Base Roof Curb, Add	*1,820.12*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	20,333.18	893.29
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,653.31*	
		For Equipment Base Roof Curb, Add	*2,496.98*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	30,826.87	1,116.61
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,689.76*	
		For Equipment Base Roof Curb, Add	*3,797.53*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0839 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	16,940.67	558.30
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,803.05*	
		For Equipment Base Roof Curb, Add	*2,089.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	24,236.40	632.74
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,951.45*	
		For Equipment Base Roof Curb, Add	*2,997.60*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	30,031.78	744.41
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,637.33*	
		For Equipment Base Roof Curb, Add	*3,716.75*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	38,857.35	893.29
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*11,210.57*	
		For Equipment Base Roof Curb, Add	*4,812.50*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	62,855.51	1,116.61
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*18,298.35*	
		For Equipment Base Roof Curb, Add	*7,801.11*	

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air-Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,678.61	400.24
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,982.78	466.95
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,566.51	533.65
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,793.73	600.36
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,208.60	667.06
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,454.60	733.78

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,157.09	370.22
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,258.08	382.20
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,874.33	530.81
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,328.86	626.57
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,996.62	917.30
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,312.29	978.45
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,457.36	1,100.76
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,212.35	1,375.94
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,224.60	1,798.63
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,506.79	1,834.59
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	13,164.03	2,038.48
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	17,628.21	3,185.10
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	19,781.52	3,323.55
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	21,960.02	3,474.59

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,156.66	250.15
		For >35 To 70, Deduct	*-49.69*	
		For >70 To 100, Deduct	*-82.82*	
		For >100, Deduct	*-115.95*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,249.75	282.90
		For >35 To 70, Deduct	*-50.54*	
		For >70 To 100, Deduct	*-84.23*	
		For >100, Deduct	*-117.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,381.63	301.50
		For >35 To 70, Deduct	*-53.34*	
		For >70 To 100, Deduct	*-88.90*	
		For >100, Deduct	*-124.45*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,573.43	324.07
		For >35 To 70, Deduct	*-57.77*	
		For >70 To 100, Deduct	*-96.28*	
		For >100, Deduct	*-134.79*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,272.41	251.03
		For >35 To 70, Deduct	*-53.14*	
		For >70 To 100, Deduct	*-88.56*	
		For >100, Deduct	*-123.99*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,399.54	282.90
		For >35 To 70, Deduct	*-55.03*	
		For >70 To 100, Deduct	*-91.72*	
		For >100, Deduct	*-128.41*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,490.18	301.50
		For >35 To 70, Deduct	*-56.59*	
		For >70 To 100, Deduct	*-94.32*	
		For >100, Deduct	*-132.05*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,716.71	324.07
		For >35 To 70, Deduct	*-62.06*	
		For >70 To 100, Deduct	*-103.44*	
		For >100, Deduct	*-144.82*	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	104.84	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	117.87	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	130.89	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	266.83	

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units *(23 81 13)*

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit *(23 81 13 13)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0839 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,257.08	303.76
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	8,426.33	318.24
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	11,010.00	332.70
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	12,659.33	361.62
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	15,874.25	419.49
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	17,040.02	520.74
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	18,866.39	578.60
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	20,776.51	650.92
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	23,382.22	781.11
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	30,222.46	969.16
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	36,066.62	1,301.85
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	50,543.23	1,591.16
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	58,235.14	1,894.92
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	69,587.07	2,126.36

23 81 16 Room Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001 Window Unit, Room Air-Conditioners *(23 81 16)*

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*

23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	547.88	140.09
		For >10 To 50, Deduct	*-13.39*	
		For >50 To 75, Deduct	*-18.74*	
		For >75 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-32.13*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	574.79	140.09
		For >10 To 50, Deduct	*-14.73*	
		For >50 To 75, Deduct	*-20.62*	
		For >75 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-35.35*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	642.06	140.09
		For >10 To 50, Deduct	*-18.09*	
		For >50 To 75, Deduct	*-25.33*	
		For >75 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-43.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	736.23	140.09
		For >10 To 50, Deduct	*-22.80*	
		For >50 To 75, Deduct	*-31.92*	
		For >75 To 100, Deduct	*-45.61*	
		For >100, Deduct	*-54.73*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	857.30	140.09
		For >10 To 50, Deduct	*-28.86*	
		For >50 To 75, Deduct	*-40.40*	
		For >75 To 100, Deduct	*-57.71*	
		For >100, Deduct	*-69.26*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	991.83	140.09
		For >10 To 50, Deduct	*-35.58*	
		For >50 To 75, Deduct	*-49.82*	
		For >75 To 100, Deduct	*-71.17*	
		For >100, Deduct	*-85.40*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	938.02	140.09
		For >10 To 50, Deduct	*-32.89*	
		For >50 To 75, Deduct	*-46.05*	
		For >75 To 100, Deduct	*-65.79*	
		For >100, Deduct	*-78.94*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	1,005.29	140.09
		For >10 To 50, Deduct	*-36.26*	
		For >50 To 75, Deduct	*-50.76*	
		For >75 To 100, Deduct	*-72.51*	
		For >100, Deduct	*-87.01*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,059.10	140.09
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,112.91	140.09
		For >10 To 50, Deduct	*-41.64*	
		For >50 To 75, Deduct	*-58.29*	
		For >75 To 100, Deduct	*-83.27*	
		For >100, Deduct	*-99.93*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,220.53	140.09
		For >10 To 50, Deduct	*-47.02*	
		For >50 To 75, Deduct	*-65.83*	
		For >75 To 100, Deduct	*-94.04*	
		For >100, Deduct	*-112.84*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,233.99	140.09
		For >10 To 50, Deduct	*-47.69*	
		For >50 To 75, Deduct	*-66.77*	
		For >75 To 100, Deduct	*-95.38*	
		For >100, Deduct	*-114.46*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	2,006.81	140.09
		For >10 To 50, Deduct	*-86.33*	
		For >50 To 75, Deduct	*-120.86*	
		For >75 To 100, Deduct	*-172.66*	
		For >100, Deduct	*-207.20*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,127.23	140.09
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,332.66	140.09
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,426.04	140.09
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,463.39	140.09
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,799.56	140.09
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,639.98	140.09
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,920.12	140.09
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,293.64	140.09

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,059.10	140.09
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,207.08	140.09
		For >10 To 50, Deduct	*-46.35*	
		For >50 To 75, Deduct	*-64.88*	
		For >75 To 100, Deduct	*-92.69*	
		For >100, Deduct	*-111.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,287.80	140.09
		For >10 To 50, Deduct	*-50.38*	
		For >50 To 75, Deduct	*-70.53*	
		For >75 To 100, Deduct	*-100.76*	
		For >100, Deduct	*-120.92*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,583.77	140.09
		For >10 To 50, Deduct	*-65.18*	
		For >50 To 75, Deduct	*-91.25*	
		For >75 To 100, Deduct	*-130.36*	
		For >100, Deduct	*-156.43*	
23 81 16 00-0032		**Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0026)*		
23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,556.77	140.09
23 81 16 00-0034		**Accessories** *(23 81 16 00-0001)*		
23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	636.78	73.05
23 81 16 00-0036		**Removal And Reinstallation Of Room Air-Conditioners** *(23 81 16)*		
		Note: Includes storage and cleaning.		
23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	166.77	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	354.84	
23 81 16 00-0039		**Through-The-Wall, Room Air-Conditioners** *(23 81 16)*		
		Note: Base unit excludes wall sleeve.		
23 81 16 00-0040		**Cooling Only, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0041		**Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,598.95	100.06
		For >10 To 50, Deduct	*-69.94*	
		For >50 To 75, Deduct	*-97.92*	
		For >75 To 100, Deduct	*-139.88*	
		For >100, Deduct	*-167.86*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,729.68	100.06
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,972.47	100.06
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,729.68	100.06
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,972.47	100.06
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	
23 81 16 00-0047		**Heating And Cooling, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0048		**Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0047)*		
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	2,028.50	100.06
		For >10 To 50, Deduct	*-91.42*	
		For >50 To 75, Deduct	*-127.99*	
		For >75 To 100, Deduct	*-182.84*	
		For >100, Deduct	*-219.41*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	2,177.91	100.06
		For >10 To 50, Deduct	*-98.89*	
		For >50 To 75, Deduct	*-138.45*	
		For >75 To 100, Deduct	*-197.78*	
		For >100, Deduct	*-237.33*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

23 81 23 12-0001 Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	42,921.34	2,847.57
		For Liebert Unit, Add	*4,830.66*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	47,373.25	3,114.53
		For Liebert Unit, Add	*5,334.45*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	70,778.64	3,559.47
		For Liebert Unit, Add	*8,185.56*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	75,434.01	3,781.93
		For Liebert Unit, Add	*8,726.12*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	80,089.39	4,004.40
		For Liebert Unit, Add	*9,266.68*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	94,279.95	4,805.27
		For Liebert Unit, Add	*10,878.65*	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	106,554.17	5,339.20
		For Liebert Unit, Add	*12,326.61*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	117,603.05	5,515.30
		For Liebert Unit, Add	*13,669.76*	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	127,375.52	5,695.14
		For Liebert Unit, Add	*14,852.92*	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	137,719.26	6,407.04
		For Liebert Unit, Add	*16,023.72*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	25,657.37	1,951.17
		For Liebert Unit, Add	*2,881.98*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	27,579.35	2,161.29
		For Liebert Unit, Add	*3,087.20*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,182.05	3,291.97
		For Liebert Unit, Add	*3,724.10*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,725.26	3,335.33
		For Liebert Unit, Add	*3,909.83*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,100.66	3,468.74
		For Liebert Unit, Add	*4,057.24*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,999.31	3,802.27
		For Liebert Unit, Add	*4,116.20*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	40,319.69	4,135.82
		For Liebert Unit, Add	*4,352.05*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,924.27	1,779.73
		For Liebert Unit, Add	*2,158.07*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	21,917.19	1,868.72
		For Liebert Unit, Add	*2,390.47*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	28,357.70	1,957.70
		For Liebert Unit, Add	*3,179.00*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	30,564.67	2,135.68
		For Liebert Unit, Add	*3,419.70*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	32,159.14	2,224.93
		For Liebert Unit, Add	*3,602.31*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,753.61	2,313.65
		For Liebert Unit, Add	*3,784.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	35,089.30	2,491.62
		For Liebert Unit, Add	*3,917.72*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	36,640.41	2,669.60
		For Liebert Unit, Add	*4,083.72*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	37,747.56	2,847.57
		For Liebert Unit, Add	*4,190.70*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	43,124.01	3,381.49
		For Liebert Unit, Add	*4,758.81*	

23 81 23 12-0031 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0032	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	52,033.38	1,951.17
		For Drycooler, Add	*18,601.92*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0033	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	55,991.70	2,161.29
		For Drycooler, Add	*20,029.35*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	73,248.67	2,421.45
		For Drycooler, Add	*26,121.32*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	84,747.48	2,681.61
		For Drycooler, Add	*30,197.94*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	89,537.05	2,811.69
		For Drycooler, Add	*31,900.30*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	95,621.04	2,941.76
		For Drycooler, Add	*34,055.72*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	102,109.20	3,072.51
		For Drycooler, Add	*36,352.59*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	109,642.94	3,188.58
		For Drycooler, Add	*39,015.41*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0040	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	116,766.84	3,335.33
		For Drycooler, Add	*41,538.80*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	128,094.08	3,468.74
		For Drycooler, Add	*45,529.35*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	132,774.24	3,802.27
		For Drycooler, Add	*47,231.45*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	161,895.21	4,135.82
		For Drycooler, Add	*57,488.82*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0045	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,668.26
23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,223.56

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	17,014.10	845.84
		For Liebert Unit, Add	*1,968.24*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,816.01	1,015.81
		For Liebert Unit, Add	*2,161.63*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	21,495.85	1,271.29
		For Liebert Unit, Add	*2,448.74*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	26,407.36	1,483.16
		For Liebert Unit, Add	*3,022.98*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	35,788.41	1,612.04
		For Liebert Unit, Add	*4,171.44*	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,691.54	440.27
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,913.92	480.29
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,643.21	533.65
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,047.08	587.02
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,237.08	640.38
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,262.50	667.06
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,968.54	711.09

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,159.65	213.46
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,225.55	226.80
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,292.56	240.14
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,461.70	253.49
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,563.50	266.83
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,214.11	320.19
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,555.75	346.87
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	5,625.55	373.55

23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,678.47	640.38
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,138.88	764.46
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,934.66	800.48

23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,097.70	533.65
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,777.62	587.02
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,643.55	693.75
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,690.01	764.46
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,710.23	800.48

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0030		Ductless Split System Accessories *(23 81 26 13-0002)*		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	15.09	1.91
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.39	2.10
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.12	2.31
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.36	3.59
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.37	3.94
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.40	4.34
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.82	7.17
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.68	7.89
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.74	8.68
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	83.61	7.65
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	98.02	8.42
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	151.36	9.26
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.82	7.17
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.68	7.89
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.74	8.68
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	82.14	11.96
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	119.62	13.15
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	142.96	14.46
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.91	2.39
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.73	7.17
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	81.92	7.89
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.89	7.17
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.57	7.89
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	67.38	8.68
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	220.00	9.56
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	249.49	10.52
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	142.50	35.86
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	156.99	38.25
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	212.59	40.64
23 81 26 13-0060	EA	End Cap, Set of 4	24.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	302.07	71.71
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	320.69	76.50
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.27	0.19
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.38	0.19
23 81 26 13-0065		Cased A/C Evaporator Coils *(23 81 26 13-0001)*		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	914.20	132.82
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	952.29	142.77
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,138.24	152.74
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,300.87	162.70
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,511.32	169.34
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,690.65	175.98
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,815.79	189.27
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,825.35	199.22
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,128.40	136.14
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,301.86	143.77
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,494.95	152.74
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,548.81	158.25
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,621.43	166.02
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,638.87	174.65
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,655.96	183.28
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	980.52	136.14
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,181.03	152.74
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,367.18	166.02
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,653.37	183.28
23 81 26 16		**Large-Capacity Split-System Air-Conditioners** *(23 81 26)*		
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*		
23 81 26 16-0002		Outdoor Units *(23 81 26 16-0001)*		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	17,314.48	700.42
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,789.54	833.83
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	21,167.79	1,000.60
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	26,015.82	1,033.95
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	34,540.19	1,067.31
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	35,815.14	1,100.66
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	37,090.08	1,134.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	39,268.21	1,200.71
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	41,446.35	1,267.43
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	46,361.07	1,334.13
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	51,275.80	1,400.84
23 81 26 16-0014		**Indoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,827.72	216.80
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,923.03	233.47
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	2,008.02	250.15
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,108.49	266.83
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,291.17	316.85
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,566.06	383.56
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,780.44	416.92
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,630.09	238.48
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,723.58	256.82
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,873.87	275.16
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,117.09	293.51
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,299.45	348.54
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,632.08	421.92
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,818.50	440.27
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	4,025.59	458.61
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,463.26	504.46
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,946.25	554.92
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,356.71	610.40
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,764.47	671.44
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,673.29	738.59
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,990.56	275.16
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,154.27	293.51
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,339.73	348.54
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,751.87	421.92
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	4,043.14	458.61
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	4,933.13	504.47
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,686.89	238.48
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,826.85	256.82
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	3,039.10	275.16
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,199.71	293.51
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,496.39	256.82
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,626.02	275.16
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,760.82	293.51
23 81 26 16-0048		**Controllers For Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	9,332.95	200.12
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	10,793.78	233.47
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	11,929.30	266.83
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	14,154.32	300.18
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	5,208.22	133.41
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	8,021.44	200.12
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	12,259.35	300.18
23 81 26 16-0056		**Energy Recovery Units** *(23 81 26 16-0001)*		
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	6,616.99	200.12
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	12,482.63	200.12
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	12,668.10	233.47
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,657.07	166.77
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,377.79	173.44
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	4,021.07	180.11
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	7,303.72	200.12
23 81 26 16-0064		**Piping Specialties** *(23 81 26 16-0001)*		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	919.09	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	254.48	50.45
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	254.48	50.45
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	281.77	53.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	351.84	59.75
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	461.75	86.30
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	789.25	172.60
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	140.58	21.25
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	159.62	29.20
23 81 26 16-0074		Split System Air Conditioners (Daikin VRV) *(23 81 26 16)*		
23 81 26 16-0075		Heat Pump Outdoor Units *(23 81 26 16-0074)*		
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	26,362.52	700.42
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	29,475.84	833.83
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	32,874.85	1,000.60
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	41,043.16	1,033.95
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	54,971.18	1,100.66
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	58,103.35	1,134.01
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	61,083.28	1,200.71
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	64,282.17	1,267.43
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	83,246.31	1,334.13
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	86,445.18	1,400.84
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	89,644.07	1,467.55
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	92,624.00	1,534.25
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	95,822.88	1,600.96
23 81 26 16-0089		Heat Recovery Heat Pump Outdoor Units *(23 81 26 16-0074)*		
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	33,762.70	910.54
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	36,834.20	1,083.98
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	40,482.00	1,300.78
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	50,859.94	1,344.14
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	68,769.31	1,430.85
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	74,111.11	1,474.22
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	76,912.09	1,560.94
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	79,713.07	1,647.65
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	104,957.66	1,734.37
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	107,758.65	1,821.09
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	113,187.18	1,907.81
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	115,988.16	1,994.52
23 81 26 16-0102		Indoor Units *(23 81 26 16-0074)*		
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,028.39	233.47
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,163.61	240.14
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,578.16	250.15
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,013.16	316.85
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,406.86	383.56
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,430.17	256.82
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,579.12	264.15
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,809.76	146.76
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,111.45	348.54
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,057.62	421.92
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,926.27	458.61
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,402.22	504.46
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,658.04	554.92
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	4,954.85	256.82
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,072.82	264.15
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,394.35	275.16
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,758.01	348.54
23 81 26 16-0120		Branch Selector Boxes *(23 81 26 16-0074)*		
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	15,051.86	300.18
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,258.76	400.24
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	2,972.87	133.41
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,008.98	200.12
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,979.60	300.18
23 81 26 16-0126		Controllers *(23 81 26 16-0074)*		
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	938.18	26.68
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	682.03	26.68
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,307.93	26.68
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,826.42	26.68
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	17,041.98	320.19
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,158.78	26.68
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin)	696.43	47.09
23 81 26 16-0134		Energy Recovery Units *(23 81 26 16-0074)*		
23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin)	5,206.47	166.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin)	6,752.54	173.44
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin)	8,079.66	180.11
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin)	15,070.70	200.12

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

23 81 43 00-0001 Single Package Thru-Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0839 for crane lifting equipment.

23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,375.39	216.97
		For Unit Economizer, Add	*315.78*	
		For >35 To 70, Deduct	*-58.68*	
		For >70 To 100, Deduct	*-97.80*	
		For >100, Deduct	*-136.91*	
		For Low Ambient Protection, 0 Degree F, Add	*280.90*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,621.64	231.44
		For Unit Economizer, Add	*349.09*	
		For >35 To 70, Deduct	*-65.20*	
		For >70 To 100, Deduct	*-108.66*	
		For >100, Deduct	*-152.13*	
		For Low Ambient Protection, 0 Degree F, Add	*307.69*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,447.14	231.44
		For Unit Economizer, Add	*604.66*	
		For >35 To 70, Deduct	*-119.96*	
		For >70 To 100, Deduct	*-199.94*	
		For >100, Deduct	*-279.91*	
		For Low Ambient Protection, 0 Degree F, Add	*471.99*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,867.27	231.44
		For Unit Economizer, Add	*662.32*	
		For >35 To 70, Deduct	*-131.70*	
		For >70 To 100, Deduct	*-219.50*	
		For >100, Deduct	*-307.29*	
		For Low Ambient Protection, 0 Degree F, Add	*251.04*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,504.69	245.90
		For Unit Economizer, Add	*750.41*	
		For >35 To 70, Deduct	*-149.95*	
		For >70 To 100, Deduct	*-249.92*	
		For >100, Deduct	*-349.89*	
		For Low Ambient Protection, 0 Degree F, Add	*276.52*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,765.48	260.37
		For Unit Economizer, Add	*786.92*	
		For >35 To 70, Deduct	*-157.78*	
		For >70 To 100, Deduct	*-262.96*	
		For >100, Deduct	*-368.14*	
		For Low Ambient Protection, 0 Degree F, Add	*810.26*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,489.85	260.37
		For Unit Economizer, Add	*887.17*	
		For >35 To 70, Deduct	*-178.64*	
		For >70 To 100, Deduct	*-297.73*	
		For >100, Deduct	*-416.82*	
		For Low Ambient Protection, 0 Degree F, Add	*907.91*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,156.28	274.84
		For Unit Economizer, Add	*979.89*	
		For >35 To 70, Deduct	*-198.20*	
		For >70 To 100, Deduct	*-330.33*	
		For >100, Deduct	*-462.46*	
		For Low Ambient Protection, 0 Degree F, Add	*996.28*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	8,242.75	318.24
		For Unit Economizer, Add	*1,128.53*	
		For >35 To 70, Deduct	*-228.19*	
		For >70 To 100, Deduct	*-380.31*	
		For >100, Deduct	*-532.44*	
		For Low Ambient Protection, 0 Degree F, Add	*1,147.93*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	15,066.47	376.09
		For Unit Economizer, Add	*2,078.64*	
		For >35 To 70, Deduct	*-428.99*	
		For >70 To 100, Deduct	*-714.99*	
		For >100, Deduct	*-1,000.99*	
		For Low Ambient Protection, 0 Degree F, Add	*2,050.64*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,398.11	477.35
		For Unit Economizer, Add	*2,676.97*	
		For >35 To 70, Deduct	*-552.87*	
		For >70 To 100, Deduct	*-921.45*	
		For >100, Deduct	*-1,290.03*	
		For Low Ambient Protection, 0 Degree F, Add	*426.58*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	23,671.95	535.21
		For Unit Economizer, Add	*3,271.26*	
		For >35 To 70, Deduct	*-678.05*	
		For >70 To 100, Deduct	*-1,130.08*	
		For >100, Deduct	*-1,582.11*	
		For Low Ambient Protection, 0 Degree F, Add	*493.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,191.74	607.53
		For Unit Economizer, Add	*4,038.82*	
		For >35 To 70, Deduct	*-839.73*	
		For >70 To 100, Deduct	*-1,399.56*	
		For >100, Deduct	*-1,959.38*	
		For Low Ambient Protection, 0 Degree F, Add	*580.06*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	38,855.18	650.92
		For Unit Economizer, Add	*5,387.65*	
		For >35 To 70, Deduct	*-1,126.60*	
		For >70 To 100, Deduct	*-1,877.67*	
		For >100, Deduct	*-2,628.73*	
		For Low Ambient Protection, 0 Degree F, Add	*701.00*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	46,794.52	708.78
		For Unit Economizer, Add	*6,494.53*	
		For >35 To 70, Deduct	*-1,361.31*	
		For >70 To 100, Deduct	*-2,268.85*	
		For >100, Deduct	*-3,176.39*	
		For Low Ambient Protection, 0 Degree F, Add	*808.16*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0839 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,646.23	289.30
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,414.30	318.24
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,691.56	332.70
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,521.42	361.62
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,148.27	419.49
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,709.43	477.35
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,463.79	535.21
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,647.16	593.06
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	12,011.95	708.78

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,612.80	140.09
		For >10 To 50, Deduct	*-116.63*	
		For >50 To 75, Deduct	*-163.28*	
		For >75 To 100, Deduct	*-233.26*	
		For >100, Deduct	*-279.92*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,948.97	140.09
		For >10 To 50, Deduct	*-133.44*	
		For >50 To 75, Deduct	*-186.82*	
		For >75 To 100, Deduct	*-266.88*	
		For >100, Deduct	*-320.26*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	3,453.22	140.09
		For >10 To 50, Deduct	*-158.65*	
		For >50 To 75, Deduct	*-222.11*	
		For >75 To 100, Deduct	*-317.31*	
		For >100, Deduct	*-380.77*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	4,013.50	140.09
		For >10 To 50, Deduct	*-186.67*	
		For >50 To 75, Deduct	*-261.33*	
		For >75 To 100, Deduct	*-373.33*	
		For >100, Deduct	*-448.00*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,626.13	100.06
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,626.13	100.06
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*297.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*

Note: Includes rubber isolator hanger brackets.

23 81 46 00-0002	EA	1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,438.73	265.63
23 81 46 00-0003	EA	3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,619.00	265.63
23 81 46 00-0004	EA	1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,509.41	292.20
23 81 46 00-0005	EA	1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,846.96	318.76
23 81 46 00-0006	EA	2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,340.76	345.32
23 81 46 00-0007	EA	2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,675.83	371.88
23 81 46 00-0008	EA	3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,849.14	398.45
23 81 46 00-0009	EA	3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,663.43	425.01
23 81 46 00-0010	EA	4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,317.46	451.58
23 81 46 00-0011	EA	5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,470.74	478.13

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Air-Cooled, Outdoor Section *(23 81 49)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,569.99	429.61
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*828.97*	
		For Winterstart Control, Add	*221.85*	
		For 15 SEER, Add	*705.43*	
		For 16 SEER, Add	*1,136.53*	
		For 18 SEER, Add	*1,724.39*	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	4,718.70	477.35
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*860.04*	
		For Winterstart Control, Add	*232.14*	
		For 15 SEER, Add	*719.18*	
		For 16 SEER, Add	*1,158.68*	
		For 18 SEER, Add	*1,758.00*	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,161.01	554.01
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*944.49*	
		For Winterstart Control, Add	*256.78*	
		For 15 SEER, Add	*777.97*	
		For 16 SEER, Add	*1,253.39*	
		For 18 SEER, Add	*1,901.70*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	5,639.35	636.46
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*802.09*	
		For Winterstart Control, Add	*283.44*	
		For 15 SEER, Add	*841.49*	
		For 16 SEER, Add	*1,355.74*	
		For 18 SEER, Add	*2,056.99*	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,818.59	661.05
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*828.41*	
		For Winterstart Control, Add	*292.83*	
		For 15 SEER, Add	*867.09*	
		For 16 SEER, Add	*1,396.99*	
		For 18 SEER, Add	*2,119.56*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	6,460.43	759.42
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*916.28*	
		For Winterstart Control, Add	*323.51*	
		For 15 SEER, Add	*967.60*	
		For 16 SEER, Add	*1,558.91*	
		For 18 SEER, Add	*2,365.25*	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	7,351.16	835.35
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*606.23*	
		For Winterstart Control, Add	*180.91*	
		For 15 SEER, Add	*1,108.40*	
		For 16 SEER, Add	*1,785.76*	
		For 18 SEER, Add	*2,709.43*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	8,060.68	933.90
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*669.86*	
		For Winterstart Control, Add	*200.68*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	11,126.04	1,120.67
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*481.48*	
		For Winterstart Control, Add	*255.58*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	14,609.73	1,307.45
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*546.43*	
		For Winterstart Control, Add	*313.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	26,117.15	1,400.84
		For Low Ambient Protection, 0 Degree F, Add	*580.80*	
		For Winterstart Control, Add	*441.24*	
23 81 49 00-0013		**Indoor Section, Horizontal Upflow** *(23 81 49)* Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,400.02	142.75
		For Additional 5 KW Electric Heat, Add	*125.66*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,547.56	177.84
		For Additional 5 KW Electric Heat, Add	*136.97*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,622.16	214.80
		For Additional 5 KW Electric Heat, Add	*140.70*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,178.16	251.49
		For Additional 5 KW Electric Heat, Add	*192.64*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,242.43	283.50
		For Additional 5 KW Electric Heat, Add	*195.86*	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,489.66	325.52
		For Additional 5 KW Electric Heat, Add	*216.43*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	5,277.95	533.65
		For Additional 5 KW Electric Heat, Add	*474.43*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,741.32	600.36
		For Additional 5 KW Electric Heat, Add	*714.10*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,822.59	667.06
		For Additional 5 KW Electric Heat, Add	*1,015.55*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	12,309.74	800.48
		For Additional 5 KW Electric Heat, Add	*1,150.91*	
23 81 49 00-0024		**Ductless Split System Heat Pumps** *(23 81 49)* Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0025		**Wall Mounted Ductless Split System Heat Pumps** *(23 81 49 00-0024)*		
23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,915.98	440.27
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,221.40	480.29
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,930.49	533.65
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,524.01	587.02
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,415.88	640.38
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,433.07	667.06
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,153.70	711.09
23 81 49 00-0033		**Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps** *(23 81 49 00-0024)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,209.03	213.46
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,276.04	226.80
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,344.18	240.14
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,530.15	253.49
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,630.83	266.83
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,629.32	320.19
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	4,302.01	346.87
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	6,980.03	373.55
23 81 49 00-0042		**Suspended Ceiling Mounted Ductless Split System Heat Pumps** *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,858.02	640.38
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,324.04	764.46
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	10,046.88	800.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,546.57	533.65
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,155.79	587.02
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,823.10	693.75
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,875.17	764.46
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,822.44	800.48

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,135.19	66.41
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,552.30	90.31
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,773.38	142.11
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,752.67	203.21
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,091.91	249.70
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,808.56	302.83
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,284.32	350.64
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,868.95	619.46
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,906.67	235.48
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,278.88	400.98
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,019.93	498.06
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,683.18	601.52
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,381.33	700.47
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	422.59	35.31
23 82 16 11-0017		4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,646.66	138.13
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,267.41	199.22
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,799.00	332.04
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,066.73	492.75
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,159.32	604.31
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,691.61	738.46
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,776.75	885.88
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,486.10	1,031.18
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,656.62	445.06
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,458.80	669.39
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,363.05	830.10
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,424.44	1,000.11
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,412.73	1,169.18
23 82 16 11-0031		6 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,746.47	175.32
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,391.78	260.32
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,941.37	443.61
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,043.06	664.08
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,587.07	830.10
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,997.17	1,021.36
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,948.67	1,207.30
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,181.65	1,406.92
23 82 16 11-0040	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,313.35	608.17
23 82 16 11-0041	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,587.32	912.18
23 82 16 11-0042	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,871.08	1,142.22
23 82 16 11-0043	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,112.34	1,372.13
23 82 16 11-0044	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,361.15	1,596.32

23 82 16 11-0045 8 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*

23 82 16 11-0046	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,687.58	211.18
23 82 16 11-0047	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,703.82	324.07
23 82 16 11-0048	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,462.31	577.75
23 82 16 11-0049	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,171.74	885.88
23 82 16 11-0050	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,391.94	1,107.69
23 82 16 11-0051	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,533.14	1,328.16
23 82 16 11-0052	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	17,882.26	1,475.59
23 82 16 11-0053	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,086.79	1,711.61
23 82 16 11-0054	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,466.61	741.12
23 82 16 11-0055	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,086.77	1,114.20
23 82 16 11-0056	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,573.86	1,387.93
23 82 16 11-0057	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,984.64	1,660.20
23 82 16 11-0058	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,470.97	1,953.19

23 82 16 11-0059 Hot Water Heating Coils *(23 82 16 11)*

Note: Flanged construction.

23 82 16 11-0060 1 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0061	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,668.59	179.30
		For 10 Fins Per Inch, Add	*26.19*	
		For 12 Fins Per Inch, Add	*65.48*	
		For 230 PSIG Heavy-Duty, Add	*369.61*	
23 82 16 11-0062	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,481.96	229.77
		For 10 Fins Per Inch, Add	*40.48*	
		For 12 Fins Per Inch, Add	*101.20*	
		For 230 PSIG Heavy-Duty, Add	*542.19*	
23 82 16 11-0063	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	3,013.60	316.10
		For 10 Fins Per Inch, Add	*47.62*	
		For 12 Fins Per Inch, Add	*119.06*	
		For 230 PSIG Heavy-Duty, Add	*665.97*	
23 82 16 11-0064	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,564.22	443.61
		For 10 Fins Per Inch, Add	*53.58*	
		For 12 Fins Per Inch, Add	*133.94*	
		For 230 PSIG Heavy-Duty, Add	*801.39*	
23 82 16 11-0065	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,038.95	531.27
		For 10 Fins Per Inch, Add	*59.53*	
		For 12 Fins Per Inch, Add	*148.82*	
		For 230 PSIG Heavy-Duty, Add	*914.04*	
23 82 16 11-0066	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,721.28	664.08
		For 10 Fins Per Inch, Add	*67.86*	
		For 12 Fins Per Inch, Add	*169.66*	
		For 230 PSIG Heavy-Duty, Add	*1,077.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0067	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,285.55	737.13
		For 10 Fins Per Inch, Add	*76.20*	
		For 12 Fins Per Inch, Add	*190.49*	
		For 230 PSIG Heavy-Duty, Add	*1,204.68*	
23 82 16 11-0068	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,549.54	857.06
		For 10 Fins Per Inch, Add	*96.58*	
		For 12 Fins Per Inch, Add	*241.46*	
		For 230 PSIG Heavy-Duty, Add	*1,481.95*	
23 82 16 11-0069	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,827.80	371.36
		For 10 Fins Per Inch, Add	*41.70*	
		For 12 Fins Per Inch, Add	*104.25*	
		For 230 PSIG Heavy-Duty, Add	*639.84*	
23 82 16 11-0070	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,241.66	557.16
		For 10 Fins Per Inch, Add	*62.55*	
		For 12 Fins Per Inch, Add	*156.37*	
		For 230 PSIG Heavy-Duty, Add	*959.76*	
23 82 16 11-0071	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	6,376.67	842.72
		For 10 Fins Per Inch, Add	*93.82*	
		For 12 Fins Per Inch, Add	*234.56*	
		For 230 PSIG Heavy-Duty, Add	*1,443.88*	
23 82 16 11-0072	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	7,426.18	976.60
		For 10 Fins Per Inch, Add	*109.46*	
		For 12 Fins Per Inch, Add	*273.65*	
		For 230 PSIG Heavy-Duty, Add	*1,680.55*	
23 82 16 11-0073	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	337.95	49.14
		For 10 Fins Per Inch, Add	*4.79*	
		For 12 Fins Per Inch, Add	*11.98*	
		For 230 PSIG Heavy-Duty, Add	*77.42*	
23 82 16 11-0074		**2 Row Hot Water Heating Coils** *(23 82 16 11-0059)*		
23 82 16 11-0075	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,704.80	221.80
		For 10 Fins Per Inch, Add	*45.24*	
		For 12 Fins Per Inch, Add	*113.10*	
		For 230 PSIG Heavy-Duty, Add	*585.23*	
23 82 16 11-0076	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,911.90	294.85
		For 10 Fins Per Inch, Add	*46.43*	
		For 12 Fins Per Inch, Add	*116.08*	
		For 230 PSIG Heavy-Duty, Add	*641.41*	
23 82 16 11-0077	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,921.39	443.61
		For 10 Fins Per Inch, Add	*60.72*	
		For 12 Fins Per Inch, Add	*151.80*	
		For 230 PSIG Heavy-Duty, Add	*872.82*	
23 82 16 11-0078	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,717.57	632.21
		For 10 Fins Per Inch, Add	*69.05*	
		For 12 Fins Per Inch, Add	*172.63*	
		For 230 PSIG Heavy-Duty, Add	*1,070.01*	
23 82 16 11-0079	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,431.89	780.96
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,242.63*	
23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,766.73	948.31
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,343.08*	
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,499.65	1,107.69
		For 10 Fins Per Inch, Add	*85.72*	
		For 12 Fins Per Inch, Add	*214.30*	
		For 230 PSIG Heavy-Duty, Add	*1,521.29*	
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,006.73	1,286.99
		For 10 Fins Per Inch, Add	*108.66*	
		For 12 Fins Per Inch, Add	*271.64*	
		For 230 PSIG Heavy-Duty, Add	*1,858.74*	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,456.06	555.30
		For 10 Fins Per Inch, Add	*46.91*	
		For 12 Fins Per Inch, Add	*117.28*	
		For 230 PSIG Heavy-Duty, Add	*802.26*	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,186.88	834.22
		For 10 Fins Per Inch, Add	*70.37*	
		For 12 Fins Per Inch, Add	*175.92*	
		For 230 PSIG Heavy-Duty, Add	*1,204.23*	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	7,792.97	1,257.77
		For 10 Fins Per Inch, Add	*105.55*	
		For 12 Fins Per Inch, Add	*263.88*	
		For 230 PSIG Heavy-Duty, Add	*1,810.14*	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	9,095.57	1,469.21
		For 10 Fins Per Inch, Add	*123.14*	
		For 12 Fins Per Inch, Add	*307.86*	
		For 230 PSIG Heavy-Duty, Add	*2,112.96*	
23 82 16 11-0087		**Hot Water Preheat Coils For Multi-Zone Air Handling Units** *(23 82 16 11)*		
		Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,199.49	168.68
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,818.58	167.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,460.39	179.30
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,021.87	195.24
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,039.89	204.53
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,893.07	215.16
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,066.65	241.73
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,602.02	270.94
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,303.09	324.07
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,872.06	340.01
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,813.79	359.94
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	11,222.70	492.75
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,101.27	604.31
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,433.92	632.21
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	19,304.49	737.13

23 82 16 12 Steam Air Coils *(23 82 16)*

23 82 16 12-0001 Steam Heating Coils *(23 82 16 12)*

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,608.58	124.85
		For 2 Row Coil, Add	*832.22*	
		For 4 Row Coil, Add	*2,193.61*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,873.90	172.66
		For 2 Row Coil, Add	*931.17*	
		For 4 Row Coil, Add	*2,447.46*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,736.76	309.46
		For 2 Row Coil, Add	*1,244.58*	
		For 4 Row Coil, Add	*3,255.04*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,678.83	443.61
		For 2 Row Coil, Add	*1,580.74*	
		For 4 Row Coil, Add	*4,123.80*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,193.11	531.27
		For 2 Row Coil, Add	*1,770.44*	
		For 4 Row Coil, Add	*4,611.38*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,795.93	664.08
		For 2 Row Coil, Add	*2,004.41*	
		For 4 Row Coil, Add	*5,207.85*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,364.99	737.13
		For 2 Row Coil, Add	*2,204.64*	
		For 4 Row Coil, Add	*5,726.56*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	7,917.74	860.25
		For 2 Row Coil, Add	*2,719.41*	
		For 4 Row Coil, Add	*7,073.97*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,418.51	371.36
		For 2 Row Coil, Add	*1,174.12*	
		For 4 Row Coil, Add	*3,054.22*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,127.77	557.16
		For 2 Row Coil, Add	*1,761.18*	
		For 4 Row Coil, Add	*4,581.33*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,688.80	834.22
		For 2 Row Coil, Add	*2,640.35*	
		For 4 Row Coil, Add	*6,868.51*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,976.85	976.60
		For 2 Row Coil, Add	*3,083.69*	
		For 4 Row Coil, Add	*8,021.35*	

23 82 16 13 Refrigerant Air Coils *(23 82 16)*

23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,048.90	99.61
		For 10 Fins Per Inch, Add	*36.98*	
		For 12 Fins Per Inch, Add	*92.46*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,972.21	136.81
		For 10 Fins Per Inch, Add	*73.97*	
		For 12 Fins Per Inch, Add	*184.92*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,463.34	215.16
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,568.08	309.46
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,624.72	378.52
		For 10 Fins Per Inch, Add	*137.32*	
		For 12 Fins Per Inch, Add	*343.29*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,514.09	458.22
		For 10 Fins Per Inch, Add	*151.96*	
		For 12 Fins Per Inch, Add	*379.91*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,759.17	531.27
		For 10 Fins Per Inch, Add	*173.93*	
		For 12 Fins Per Inch, Add	*434.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,262.36	619.46
		For 10 Fins Per Inch, Add	*220.47*	
		For 12 Fins Per Inch, Add	*551.17*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,709.02	235.48
		For 10 Fins Per Inch, Add	*84.76*	
		For 12 Fins Per Inch, Add	*211.90*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,034.79	400.98
		For 10 Fins Per Inch, Add	*104.66*	
		For 12 Fins Per Inch, Add	*261.64*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,394.42	601.52
		For 10 Fins Per Inch, Add	*123.83*	
		For 12 Fins Per Inch, Add	*309.57*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,070.08	700.47
		For 10 Fins Per Inch, Add	*133.38*	
		For 12 Fins Per Inch, Add	*333.45*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,416.64	138.13
		For 10 Fins Per Inch, Add	*62.80*	
		For 12 Fins Per Inch, Add	*157.00*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,882.10	199.22
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,614.41	332.04
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,032.68	492.75
		For 10 Fins Per Inch, Add	*140.98*	
		For 12 Fins Per Inch, Add	*352.44*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,263.25	604.31
		For 10 Fins Per Inch, Add	*161.12*	
		For 12 Fins Per Inch, Add	*402.79*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,996.26	738.46
		For 10 Fins Per Inch, Add	*190.41*	
		For 12 Fins Per Inch, Add	*476.03*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,206.85	885.88
		For 10 Fins Per Inch, Add	*208.72*	
		For 12 Fins Per Inch, Add	*521.80*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,823.76	1,031.18
		For 10 Fins Per Inch, Add	*195.23*	
		For 12 Fins Per Inch, Add	*488.07*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,572.31	445.06
		For 10 Fins Per Inch, Add	*133.64*	
		For 12 Fins Per Inch, Add	*334.11*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,589.42	669.39
		For 10 Fins Per Inch, Add	*165.01*	
		For 12 Fins Per Inch, Add	*412.53*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,377.57	1,177.42
		For 10 Fins Per Inch, Add	*240.45*	
		For 12 Fins Per Inch, Add	*601.13*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,446.98	1,372.13
		For 10 Fins Per Inch, Add	*274.06*	
		For 12 Fins Per Inch, Add	*685.14*	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,377.44	173.99
		For 10 Fins Per Inch, Add	*80.56*	
		For 12 Fins Per Inch, Add	*201.40*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,006.47	260.32
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,201.95	443.61
		For 10 Fins Per Inch, Add	*126.33*	
		For 12 Fins Per Inch, Add	*315.83*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,109.36	664.08
		For 10 Fins Per Inch, Add	*155.62*	
		For 12 Fins Per Inch, Add	*389.06*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,004.62	830.10
		For 10 Fins Per Inch, Add	*206.89*	
		For 12 Fins Per Inch, Add	*517.22*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,577.81	1,021.36
		For 10 Fins Per Inch, Add	*230.69*	
		For 12 Fins Per Inch, Add	*576.72*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,780.20	1,207.30
		For 10 Fins Per Inch, Add	*267.31*	
		For 12 Fins Per Inch, Add	*668.27*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,828.01	1,406.92
		For 10 Fins Per Inch, Add	*240.28*	
		For 12 Fins Per Inch, Add	*600.71*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,440.34	608.17
		For 10 Fins Per Inch, Add	*164.48*	
		For 12 Fins Per Inch, Add	*411.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,978.84	912.18
		For 10 Fins Per Inch, Add	*203.09*	
		For 12 Fins Per Inch, Add	*507.72*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,736.28	1,360.84
		For 10 Fins Per Inch, Add	*240.29*	
		For 12 Fins Per Inch, Add	*600.73*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,134.66	1,596.32
		For 10 Fins Per Inch, Add	*258.84*	
		For 12 Fins Per Inch, Add	*647.10*	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,456.54	209.85
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,506.68	324.07
		For 10 Fins Per Inch, Add	*117.18*	
		For 12 Fins Per Inch, Add	*292.94*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,622.70	577.75
		For 10 Fins Per Inch, Add	*169.36*	
		For 12 Fins Per Inch, Add	*423.39*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,664.57	885.88
		For 10 Fins Per Inch, Add	*217.87*	
		For 12 Fins Per Inch, Add	*544.68*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,167.02	1,107.69
		For 10 Fins Per Inch, Add	*259.07*	
		For 12 Fins Per Inch, Add	*647.67*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,577.93	1,328.16
		For 10 Fins Per Inch, Add	*298.43*	
		For 12 Fins Per Inch, Add	*746.08*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	20,253.22	1,475.59
		For 10 Fins Per Inch, Add	*346.03*	
		For 12 Fins Per Inch, Add	*865.09*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,938.94	1,711.61
		For 10 Fins Per Inch, Add	*270.32*	
		For 12 Fins Per Inch, Add	*675.79*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,734.48	741.12
		For 10 Fins Per Inch, Add	*185.04*	
		For 12 Fins Per Inch, Add	*462.61*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,652.23	1,114.20
		For 10 Fins Per Inch, Add	*228.48*	
		For 12 Fins Per Inch, Add	*571.19*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,870.41	1,676.94
		For 10 Fins Per Inch, Add	*270.33*	
		For 12 Fins Per Inch, Add	*675.82*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,466.19	1,953.19
		For 10 Fins Per Inch, Add	*291.20*	
		For 12 Fins Per Inch, Add	*727.99*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	636.65	102.73
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	653.75	110.73
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	673.97	121.40
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	680.77	125.41
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	698.23	133.41
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	718.31	144.09
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	827.71	161.43
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	843.99	169.43
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	857.32	174.77
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	876.83	185.45
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	960.25	196.11
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	998.23	214.80
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,035.97	233.47
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,075.71	252.15
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,484.48	352.22
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,676.28	374.89
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,939.84	429.59
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,476.81	476.28
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,646.09	517.64
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,994.96	568.34
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,917.11	607.03
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,403.45	652.39
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,569.82	704.42
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,402.17	765.79

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,052.21	146.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,084.70	160.10
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,097.15	160.10
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,186.11	176.10
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,238.39	176.10
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,266.22	176.10
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,330.22	196.11
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,388.61	220.13
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,416.44	220.13
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,595.00	252.15
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,039.71	252.15
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,166.67	273.50
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,548.73	293.51
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,027.30	293.51
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,303.61	306.85
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,469.54	306.85

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,983.09	215.16
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.42*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,389.06	251.03
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.06*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,030.63	282.90
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.26*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,633.16	324.07
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.39*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,243.93	340.01
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.08*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,782.46	359.94
		For 2-Way Valve Instead Of 3-Way, Deduct	*-118.84*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	8,000.93	390.48
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.60*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,403.75	215.16
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.42*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,953.54	251.03
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.06*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,130.60	282.90
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.26*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,624.55	324.07
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.39*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,069.00	341.34
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.08*	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,463.26	359.94
		For 2-Way Valve Instead Of 3-Way, Deduct	*-118.84*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,117.14	390.48
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.60*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,860.31	405.09
		For 2-Way Valve Instead Of 3-Way, Deduct	*-125.76*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,256.79	421.69
		For 2-Way Valve Instead Of 3-Way, Deduct	*-128.25*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	14,268.66	438.29
		For 2-Way Valve Instead Of 3-Way, Deduct	*-130.74*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,872.02	213.83
		For Fan Coil Units Without Cabinet, Deduct	*-387.96*	
		For Thru-Wall Sleeve, Add	*140.69*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,277.98	251.03
		For Fan Coil Units Without Cabinet, Deduct	*-441.58*	
		For Thru-Wall Sleeve, Add	*155.24*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.06*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,897.32	282.90
		For Fan Coil Units Without Cabinet, Deduct	*-528.08*	
		For Thru-Wall Sleeve, Add	*168.03*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.26*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,479.87	324.07
		For Fan Coil Units Without Cabinet, Deduct	*-607.19*	
		For Thru-Wall Sleeve, Add	*184.58*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.39*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,068.44	341.34
		For Fan Coil Units Without Cabinet, Deduct	*-692.16*	
		For Thru-Wall Sleeve, Add	*191.22*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.08*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,549.20	359.94
		For Fan Coil Units Without Cabinet, Deduct	*-910.59*	
		For Thru-Wall Sleeve, Add	*198.59*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-118.84*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,723.25	390.48
		For Fan Coil Units Without Cabinet, Deduct	*-1,080.36*	
		For Thru-Wall Sleeve, Add	*211.25*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.60*	
23 82 19 00-0030		Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*		
23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,230.76	213.83
		For Fan Coil Units Without Cabinet, Deduct	*-591.77*	
		For Thru-Wall Sleeve, Add	*140.69*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.42*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,759.78	251.03
		For Fan Coil Units Without Cabinet, Deduct	*-663.85*	
		For Thru-Wall Sleeve, Add	*155.24*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.06*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,888.41	282.90
		For Fan Coil Units Without Cabinet, Deduct	*-826.74*	
		For Thru-Wall Sleeve, Add	*168.03*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.26*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,731.60	324.07
		For Fan Coil Units Without Cabinet, Deduct	*-944.95*	
		For Thru-Wall Sleeve, Add	*184.58*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-67.39*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,525.28	341.34
		For Fan Coil Units Without Cabinet, Deduct	*-1,060.68*	
		For Thru-Wall Sleeve, Add	*191.22*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.08*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,083.03	359.94
		For Fan Coil Units Without Cabinet, Deduct	*-1,290.66*	
		For Thru-Wall Sleeve, Add	*198.59*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-118.84*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,667.29	390.48
		For Fan Coil Units Without Cabinet, Deduct	*-1,521.97*	
		For Thru-Wall Sleeve, Add	*211.25*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.60*	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	11,703.05	405.09
		For Fan Coil Units Without Cabinet, Deduct	*-1,674.44*	
		For Thru-Wall Sleeve, Add	*217.04*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-125.76*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	12,942.27	421.69
		For Fan Coil Units Without Cabinet, Deduct	*-1,857.00*	
		For Thru-Wall Sleeve, Add	*223.68*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-128.25*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,810.13	421.69
		For Fan Coil Units Without Cabinet, Deduct	*-1,983.86*	
		For Thru-Wall Sleeve, Add	*230.32*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-130.74*	
23 82 19 00-0041		Removal And Reinstallation Of Fan Coil Units *(23 82 19)*		
		Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	564.69	

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0002	LF	Demolish Cast Iron Radiator	39.83	
23 82 29 00-0003	EA	Cap Radiator	61.29	

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	59.48	
		For Wall Support Bracket, Add	*30.64*	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	84.14	
		For Wall Support Bracket, Add	*32.37*	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	97.82	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	123.05	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	82.62	

23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	138.54	7.24
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	86.85	7.24

23 82 29 00-0013 Radiator Shields *(23 82 29)*

23 82 29 00-0014	SF	Stainless Steel Radiator Shield	70.88	7.24
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	49.29	7.24

23 82 29 00-0016 Removal And Reinstallation Of Radiator *(23 82 29)*

Note: Includes storage and cleaning.

23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	99.61	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	66.41	

23 82 33 Convectors *(23 82)*

23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System *(23 82 33)*

Note: Complete with 6-1/4" deep cabinet enclosure.

23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	627.67	146.09
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*72.41*	
		For Snap-On Inlet Grille, Add	*54.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*142.21*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	738.09	159.38
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*78.45*	
		For Snap-On Inlet Grille, Add	*58.30*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	849.83	188.60
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*91.65*	
		For Snap-On Inlet Grille, Add	*67.10*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*197.51*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,016.84	219.15
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*105.60*	
		For Snap-On Inlet Grille, Add	*76.40*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*239.69*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,212.76	262.97
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*125.51*	
		For Snap-On Inlet Grille, Add	*89.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*285.04*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,363.60	289.27
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*137.45*	
		For Snap-On Inlet Grille, Add	*97.63*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*323.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,586.10	350.64
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*165.33*	
		For Snap-On Inlet Grille, Add	*116.22*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*369.25*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,730.37	372.55
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*175.29*	
		For Snap-On Inlet Grille, Add	*122.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*408.12*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,889.26	416.38
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*195.20*	
		For Snap-On Inlet Grille, Add	*136.13*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*440.51*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,085.29	460.21
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*215.14*	
		For Snap-On Inlet Grille, Add	*149.43*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*485.86*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,244.20	504.04
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*235.05*	
		For Snap-On Inlet Grille, Add	*162.70*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.25*	
23 82 33 00-0014		**26" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	739.69	192.19
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*92.47*	
		For Snap-On Inlet Grille, Add	*67.65*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*158.01*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	868.26	223.26
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*106.42*	
		For Snap-On Inlet Grille, Add	*76.94*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*186.74*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,049.62	262.18
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*123.89*	
		For Snap-On Inlet Grille, Add	*88.59*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*229.83*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,228.72	292.33
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*137.42*	
		For Snap-On Inlet Grille, Add	*97.61*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*276.73*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,432.91	328.72
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*153.80*	
		For Snap-On Inlet Grille, Add	*108.53*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*329.09*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,602.31	356.08
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*166.15*	
		For Snap-On Inlet Grille, Add	*116.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*373.97*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,827.31	405.76
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*188.78*	
		For Snap-On Inlet Grille, Add	*131.85*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*426.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,992.28	430.59
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*199.80*	
		For Snap-On Inlet Grille, Add	*139.20*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*471.20*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,156.61	469.51
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*217.04*	
		For Snap-On Inlet Grille, Add	*150.70*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*508.60*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,364.27	507.62
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*234.47*	
		For Snap-On Inlet Grille, Add	*162.31*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*560.95*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,523.39	542.55
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*250.15*	
		For Snap-On Inlet Grille, Add	*172.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*598.35*	

23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	850.59	233.76
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*112.20*	
		For Snap-On Inlet Grille, Add	*80.80*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,015.33	282.90
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*134.53*	
		For Snap-On Inlet Grille, Add	*95.69*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*205.41*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,223.15	330.71
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*156.25*	
		For Snap-On Inlet Grille, Add	*110.16*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*252.82*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,414.23	359.40
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*169.35*	
		For Snap-On Inlet Grille, Add	*118.90*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*304.41*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,622.16	388.36
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*182.37*	
		For Snap-On Inlet Grille, Add	*127.58*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*361.99*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,805.97	416.38
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*195.20*	
		For Snap-On Inlet Grille, Add	*136.13*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*411.36*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,023.92	451.45
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*211.22*	
		For Snap-On Inlet Grille, Add	*146.81*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*468.95*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,209.05	480.40
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*224.45*	
		For Snap-On Inlet Grille, Add	*155.63*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,374.40	512.80
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*238.79*	
		For Snap-On Inlet Grille, Add	*165.20*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*559.45*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,586.69	543.49
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*253.12*	
		For Snap-On Inlet Grille, Add	*174.74*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*617.04*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,743.39	569.78
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*264.87*	
		For Snap-On Inlet Grille, Add	*182.58*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*658.18*	
23 82 33 00-0038		Electric Convectors, Floor Standing Units *(23 82 33)*		
23 82 33 00-0039		4" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	693.59	143.20
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	765.64	143.20
23 82 33 00-0042		6" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	798.89	143.20
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	909.73	143.20
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,006.72	143.20
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,159.13	143.20
23 82 36		**Finned-Tube Radiation Heaters** *(23 82)*		
23 82 36 00-0001		Electric Baseboard Heating *(23 82 36)*		
		Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002		Electric Wall Heating 10" Enclosure *(23 82 36 00-0001)*		
23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	167.60	79.56
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	170.92	79.56
23 82 36 00-0005		Electric Wall Heating 16" Enclosure *(23 82 36 00-0001)*		
23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	200.85	79.56
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	209.16	79.56
23 82 36 00-0008		Finned Tube Baseboard Units *(23 82 36)*		
		Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009		3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*		
23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	408.59	51.80
		For 90 Degree Corner, Add	*60.12*	
		For Valve Enclosure, Add	*60.12*	
		For Filler Piece, Add	*53.12*	
		For End Cap, Add	*40.58*	
		For Copper Tube With Aluminum Fins, Add	*8.69*	
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	538.86	78.37
		For 90 Degree Corner, Add	*70.37*	
		For Valve Enclosure, Add	*70.37*	
		For Filler Piece, Add	*63.37*	
		For End Cap, Add	*47.24*	
		For Copper Tube With Aluminum Fins, Add	*13.04*	
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	648.05	103.60
		For 90 Degree Corner, Add	*76.41*	
		For Valve Enclosure, Add	*76.41*	
		For Filler Piece, Add	*69.41*	
		For End Cap, Add	*51.17*	
		For Copper Tube With Aluminum Fins, Add	*17.38*	
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	807.31	145.04
		For 90 Degree Corner, Add	*92.88*	
		For Valve Enclosure, Add	*92.88*	
		For Filler Piece, Add	*85.88*	
		For End Cap, Add	*61.87*	
		For Copper Tube With Aluminum Fins, Add	*21.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	965.82	174.25
		For 90 Degree Corner, Add	*109.61*	
		For Valve Enclosure, Add	*109.61*	
		For Filler Piece, Add	*102.61*	
		For End Cap, Add	*72.75*	
		For Copper Tube With Aluminum Fins, Add	*25.73*	
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,092.60	185.95
		For 90 Degree Corner, Add	*116.25*	
		For Valve Enclosure, Add	*116.25*	
		For Filler Piece, Add	*109.25*	
		For End Cap, Add	*77.07*	
		For Copper Tube With Aluminum Fins, Add	*30.87*	
23 82 36 00-0016	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,204.53	205.47
		For 90 Degree Corner, Add	*127.41*	
		For Valve Enclosure, Add	*127.41*	
		For Filler Piece, Add	*120.41*	
		For End Cap, Add	*84.32*	
		For Copper Tube With Aluminum Fins, Add	*33.96*	
23 82 36 00-0017	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,375.10	232.43
		For 90 Degree Corner, Add	*142.82*	
		For Valve Enclosure, Add	*142.82*	
		For Filler Piece, Add	*135.82*	
		For End Cap, Add	*94.33*	
		For Copper Tube With Aluminum Fins, Add	*39.11*	
23 82 36 00-0018	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,516.43	255.67
		For 90 Degree Corner, Add	*156.11*	
		For Valve Enclosure, Add	*156.11*	
		For Filler Piece, Add	*149.11*	
		For End Cap, Add	*102.97*	
		For Copper Tube With Aluminum Fins, Add	*43.22*	
23 82 36 00-0019		**1" IPS Steel Tube With Steel Fins** *(23 82 36 00-0008)*		
23 82 36 00-0020	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	476.32	51.80
		For 90 Degree Corner, Add	*60.12*	
		For Valve Enclosure, Add	*60.12*	
		For Filler Piece, Add	*53.12*	
		For End Cap, Add	*40.58*	
		For Copper Tube With Aluminum Fins, Add	*12.42*	
23 82 36 00-0021	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	640.45	78.37
		For 90 Degree Corner, Add	*70.37*	
		For Valve Enclosure, Add	*70.37*	
		For Filler Piece, Add	*63.37*	
		For End Cap, Add	*47.24*	
		For Copper Tube With Aluminum Fins, Add	*18.62*	
23 82 36 00-0022	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	783.49	103.60
		For 90 Degree Corner, Add	*76.41*	
		For Valve Enclosure, Add	*76.41*	
		For Filler Piece, Add	*69.41*	
		For End Cap, Add	*51.17*	
		For Copper Tube With Aluminum Fins, Add	*24.83*	
23 82 36 00-0023	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	975.88	145.04
		For 90 Degree Corner, Add	*92.91*	
		For Valve Enclosure, Add	*92.91*	
		For Filler Piece, Add	*85.91*	
		For End Cap, Add	*61.89*	
		For Copper Tube With Aluminum Fins, Add	*30.87*	
23 82 36 00-0024	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,166.08	174.25
		For 90 Degree Corner, Add	*109.56*	
		For Valve Enclosure, Add	*109.56*	
		For Filler Piece, Add	*102.56*	
		For End Cap, Add	*72.72*	
		For Copper Tube With Aluminum Fins, Add	*36.75*	
23 82 36 00-0025	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,333.19	185.95
		For 90 Degree Corner, Add	*116.25*	
		For Valve Enclosure, Add	*116.25*	
		For Filler Piece, Add	*109.25*	
		For End Cap, Add	*77.07*	
		For Copper Tube With Aluminum Fins, Add	*44.11*	
23 82 36 00-0026	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,468.75	205.47
		For 90 Degree Corner, Add	*127.33*	
		For Valve Enclosure, Add	*127.33*	
		For Filler Piece, Add	*120.33*	
		For End Cap, Add	*84.26*	
		For Copper Tube With Aluminum Fins, Add	*48.52*	
23 82 36 00-0027	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,679.85	232.43
		For 90 Degree Corner, Add	*142.82*	
		For Valve Enclosure, Add	*142.82*	
		For Filler Piece, Add	*135.82*	
		For End Cap, Add	*94.33*	
		For Copper Tube With Aluminum Fins, Add	*55.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0028	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,852.45	255.67
		For 90 Degree Corner, Add	*155.95*	
		For Valve Enclosure, Add	*155.95*	
		For Filler Piece, Add	*148.95*	
		For End Cap, Add	*102.87*	
		For Copper Tube With Aluminum Fins, Add	*61.75*	

23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

23 82 36 00-0030	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	544.03	51.80
		For 90 Degree Corner, Add	*60.12*	
		For Valve Enclosure, Add	*60.12*	
		For Filler Piece, Add	*53.12*	
		For End Cap, Add	*40.58*	
		For Copper Tube With Aluminum Fins, Add	*16.14*	
23 82 36 00-0031	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	742.03	78.37
		For 90 Degree Corner, Add	*70.37*	
		For Valve Enclosure, Add	*70.37*	
		For Filler Piece, Add	*63.37*	
		For End Cap, Add	*47.24*	
		For Copper Tube With Aluminum Fins, Add	*24.21*	
23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	918.93	103.60
		For 90 Degree Corner, Add	*76.41*	
		For Valve Enclosure, Add	*76.41*	
		For Filler Piece, Add	*69.41*	
		For End Cap, Add	*51.17*	
		For Copper Tube With Aluminum Fins, Add	*32.28*	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,144.28	145.04
		For 90 Degree Corner, Add	*92.91*	
		For Valve Enclosure, Add	*92.91*	
		For Filler Piece, Add	*85.91*	
		For End Cap, Add	*61.89*	
		For Copper Tube With Aluminum Fins, Add	*40.14*	
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,366.56	174.25
		For 90 Degree Corner, Add	*109.56*	
		For Valve Enclosure, Add	*109.56*	
		For Filler Piece, Add	*102.56*	
		For End Cap, Add	*72.72*	
		For Copper Tube With Aluminum Fins, Add	*47.78*	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,573.77	185.95
		For 90 Degree Corner, Add	*116.25*	
		For Valve Enclosure, Add	*116.25*	
		For Filler Piece, Add	*109.25*	
		For End Cap, Add	*77.07*	
		For Copper Tube With Aluminum Fins, Add	*57.34*	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,733.39	205.47
		For 90 Degree Corner, Add	*127.33*	
		For Valve Enclosure, Add	*127.33*	
		For Filler Piece, Add	*120.33*	
		For End Cap, Add	*84.26*	
		For Copper Tube With Aluminum Fins, Add	*63.07*	
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,984.58	232.43
		For 90 Degree Corner, Add	*142.82*	
		For Valve Enclosure, Add	*142.82*	
		For Filler Piece, Add	*135.82*	
		For End Cap, Add	*94.33*	
		For Copper Tube With Aluminum Fins, Add	*72.63*	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,189.26	255.67
		For 90 Degree Corner, Add	*155.95*	
		For Valve Enclosure, Add	*155.95*	
		For Filler Piece, Add	*148.95*	
		For End Cap, Add	*102.87*	
		For Copper Tube With Aluminum Fins, Add	*80.27*	

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,390.49	180.82
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,417.08	180.82
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,443.66	180.82
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,470.22	180.82
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,496.81	180.82
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,523.39	180.82
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,551.03	180.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	241.57	120.06
23 82 39 13-0011		**Electric Cabinet Unit Heaters, 45" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,606.34	216.97
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,659.51	216.97
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,712.65	216.97
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,765.82	216.97
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,818.97	216.97
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,872.14	216.97
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,925.28	216.97
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	289.30	144.65
23 82 39 13-0020		**Electric Cabinet Unit Heaters, 58" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,530.28	289.30
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,583.43	289.30
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,636.59	289.30
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,689.74	289.30
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,742.91	289.30
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,796.05	289.30
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	361.62	180.82
23 82 39 13-0028		**Electric Cabinet Unit Heaters, 68" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,347.90	361.62
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,427.63	361.62
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,507.36	361.62
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,587.09	361.62
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,666.85	361.62
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,746.57	361.62
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,826.30	361.62
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	483.13	241.57
23 82 39 13-0037		**Electric Cabinet Unit Heaters, 78" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,271.82	433.95
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,378.14	433.95
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,484.45	433.95
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,590.76	433.95
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,697.08	433.95
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,803.39	433.95
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,909.70	433.95
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	578.60	289.30
23 82 39 13-0046		**Removal and Reinstallation of Cabinet Unit Heaters** *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	365.24	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	630.90	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	753.07	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	1,018.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 82 39 16 Propeller Unit Heaters *(23 82 39)*

23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)*

Note: For use with either steam or heating hot water. Heating output capacities for both are listed.

23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*

23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,453.62	132.82
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,456.85	132.82
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,643.12	132.82
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,969.78	199.22
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,065.08	199.22
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,206.98	199.22
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,619.16	265.63
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,905.06	265.63
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,086.99	265.63
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,234.27	265.63
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,613.98	332.04
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,663.82	332.04
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,711.47	332.04
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,902.68	398.45
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,275.21	398.45
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,865.21	464.86
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,214.52	464.86
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,568.15	531.27
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	7,954.30	531.27
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	286.35	33.20

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,097.59	132.82
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,200.46	199.22
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,387.82	199.22
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,911.58	265.63
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,095.65	265.63
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,569.13	398.45
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,850.70	398.45
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,086.80	398.45
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,542.48	464.86
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,821.90	464.86
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,387.16	464.86
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	6,168.17	597.67
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,048.14	597.67
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,624.26	597.67
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	9,835.67	664.08
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	393.08	33.20

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	796.90	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	1,062.53	

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	998.80	144.65
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	998.80	144.65
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,338.22	180.82
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,535.97	216.97
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,238.06	289.30
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,253.19	361.62
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,482.71	433.95
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,537.78	506.27
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,229.45	144.65
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,184.42	144.65
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,404.14	180.82
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,621.73	216.97
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,409.59	289.30

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	454.77	90.41
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	531.36	101.25
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	821.91	101.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	514.45	90.41
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	625.54	101.25
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	932.53	101.25
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	676.64	119.33
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,245.97	126.57
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,399.52	126.57
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,622.44	133.80
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,757.26	133.80
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	756.40	119.33
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,371.60	126.57
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,525.15	126.57
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	700.69	90.41

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	478.16	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	982.95	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001 Self Regulating Heating Cable *(23 83 13 13)*

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.64	0.94
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.27	0.94
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.72	0.94
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.64	0.94
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	11.35	0.94
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.98	0.94
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.97	0.94
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.27	0.94
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.56	0.94
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.97	0.94
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	12.27	0.94
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.56	0.94
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	14.91	0.94
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.49	0.94
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.79	0.94
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.91	0.94
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	15.49	0.94
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.79	0.94
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	344.68	73.98
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	344.68	73.98
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	223.63	13.45
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	605.94	33.63
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	667.13	33.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*
Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,476.62	547.20
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,076.23	548.53

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*
Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,197.06	350.64
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*676.83*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,197.06	350.64
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*676.83*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,144.13	350.64
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*960.95*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,276.94	438.29
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,005.22*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,701.36	350.64
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,428.12*	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,834.17	438.29
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,472.39*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,267.34	438.29
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,202.34*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,433.36	548.53
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,257.68*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*
Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	639.96	66.41

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*
Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,410.60	72.32
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,031.46	84.37
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,059.88	96.44

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*
Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	566.77	156.47
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	677.26	156.47
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	743.55	156.47

END OF SECTION 23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

See CSI section 26 01 20 00-0000 for test.

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	497.59	
		For Up To 20, Add	*103.73*	
		For >20 To 50, Add	*82.98*	
		For >50 To 100, Add	*41.49*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	646.30	
		For Up To 20, Add	*140.91*	
		For >20 To 50, Add	*112.72*	
		For >50 To 100, Add	*56.36*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	973.46	
		For Up To 20, Add	*222.70*	
		For >20 To 50, Add	*178.16*	
		For >50 To 100, Add	*89.08*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	495.96	
		For Up To 20, Add	*103.32*	
		For >20 To 50, Add	*82.66*	
		For >50 To 100, Add	*41.33*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	634.19	
		For Up To 20, Add	*137.88*	
		For >20 To 50, Add	*110.30*	
		For >50 To 100, Add	*55.15*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	946.57	
		For Up To 20, Add	*215.97*	
		For >20 To 50, Add	*172.78*	
		For >50 To 100, Add	*86.39*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	390.51	
		For Up To 20, Add	*76.96*	
		For >20 To 50, Add	*61.57*	
		For >50 To 100, Add	*30.78*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	551.12	
		For Up To 20, Add	*117.11*	
		For >20 To 50, Add	*93.69*	
		For >50 To 100, Add	*46.84*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	785.34	
		For Up To 20, Add	*175.67*	
		For >20 To 50, Add	*140.53*	
		For >50 To 100, Add	*70.27*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	715.85	
		For Up To 20, Add	*158.29*	
		For >20 To 50, Add	*126.63*	
		For >50 To 100, Add	*63.32*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	984.56	
		For Up To 20, Add	*225.47*	
		For >20 To 50, Add	*180.38*	
		For >50 To 100, Add	*90.19*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,805.28	
		For Up To 20, Add	*430.65*	
		For >20 To 50, Add	*344.52*	
		For >50 To 100, Add	*172.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	822.65	
		For Up To 20, Add	*184.99*	
		For >20 To 50, Add	*147.99*	
		For >50 To 100, Add	*74.00*	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,211.73	
		For Up To 20, Add	*282.26*	
		For >20 To 50, Add	*225.81*	
		For >50 To 100, Add	*112.91*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	48.42
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	48.42
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	13.45
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	5.42

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	27.98
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	27.98

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	5,052.51

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	59.18
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	76.31
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	113.94
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	29.14
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	29.14
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	27.62
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	27.62
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	39.32
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	43.12
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	42.14
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	45.05
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	45.67
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	25.04
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	25.04
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	27.40
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	27.40

26 01 50 51-0019 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	7.68
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	9.61
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp	11.78
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp	14.52	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*	
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	10.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*	
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp	17.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.67*	
26 01 50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp	21.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.67*	
26 01 50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp	19.54	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.67*	
26 01 50 51-0028	EA	150 Watt, PAR38, Exterior Incandescent Lamp	34.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.67*	
26 01 50 51-0029	EA	250 Watt, PAR38, Exterior Incandescent Lamp	70.55	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.11*	
26 01 50 51-0030	EA	300 Watt, PAR56, Exterior Incandescent Lamp	81.21	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.11*	
26 01 50 51-0031		**Exit Light Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0032	EA	Convert Exit Light Lamps To Red LED Lamps	128.54	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0033	EA	Fluorescent Lamp For Exit Light	36.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-8.90*	
26 01 50 51-0034	EA	Lamp Replacement For Emergency Lights On Exit Sign	48.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.45*	
26 01 50 51-0035		**Fluorescent Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0036	EA	18", 15 Watt, T8 Fluorescent Lamp	13.94	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0037	EA	2', 17 Watt, T8 Fluorescent Lamp	16.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0038	EA	3', 25 Watt, T8 Fluorescent Lamp	19.14	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0039	EA	4', 32 Watt, T8 Fluorescent Lamp	19.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0040	EA	4', 30 Watt, T8 Fluorescent Lamp	23.85	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0041	EA	4', 28 Watt, T8 Fluorescent Lamp	20.98	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0042	EA	4', 25 Watt, T8 Fluorescent Lamp	20.87	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0043	EA	4', 44 Watt, T8HO Fluorescent Lamp	33.21	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0044	EA	8', 59 Watt, T8 Fluorescent Lamp	25.46	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0045	EA	18", 15 Watt, T12 Fluorescent Lamp	20.82	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0046	EA	2', 20 Watt, T12 Fluorescent Lamp	15.89	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0047	EA	3', 30 Watt, T12 Fluorescent Lamp	17.84	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0048	EA	4', 34 Watt, T12 Fluorescent Lamp	17.93	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0049	EA	4', 40 Watt, T12 Fluorescent Lamp	17.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0050	EA	8', 60 Watt, T12 Fluorescent Lamp	26.09	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0051	EA	8', 75 Watt, T12 Fluorescent Lamp	22.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0052	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	37.40	
26 01 50 51-0053	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	21.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0054	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	17.41	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0055	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	16.85	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0056	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	18.60	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0057	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	30.55	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.45*	
26 01 50 51-0058	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	29.48	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.45*	
26 01 50 51-0059	EA	6", 4 Watt, T5 Fluorescent Lamp	15.42	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0060	EA	9", 6 Watt, T5 Fluorescent Lamp	15.17	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0061	EA	12", 8 Watt, T5 Fluorescent Lamp	15.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0062	EA	21", 13 Watt, T5 Fluorescent Lamp	16.34	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0063	EA	24", 14 Watt, T5 Fluorescent Lamp	18.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0064	EA	34", 21 Watt, T5 Fluorescent Lamp	20.42	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0065	EA	46", 28 Watt, T5 Fluorescent Lamp	19.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0066	EA	46", 54 Watt, T5HO Fluorescent Lamp	21.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0067	EA	46", 54 Watt T5 Fluorescent Lamp	19.72	
26 01 50 51-0068	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	12.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*	
26 01 50 51-0069	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	13.37	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*	
26 01 50 51-0070	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	27.20	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*	
26 01 50 51-0071	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	35.55	
26 01 50 51-0072	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	35.55	
26 01 50 51-0073	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	66.45	
26 01 50 51-0074	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	24.27	
26 01 50 51-0075	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	12.58	
26 01 50 51-0076	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.89	
26 01 50 51-0077	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.42	
26 01 50 51-0078	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	46.34	
26 01 50 51-0079	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	50.53	
26 01 50 51-0080	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	96.03	
26 01 50 51-0081	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	114.98	
26 01 50 51-0082	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	118.84	
26 01 50 51-0083	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.29	
26 01 50 51-0084	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	45.14	
26 01 50 51-0085	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	52.09	

26 01 50 51-0086 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0087	EA	50 Watt, Pulse Start Metal Halide Lamp	52.81	
26 01 50 51-0088	EA	70 Watt, Pulse Start Metal Halide Lamp	50.58	
26 01 50 51-0089	EA	100 Watt, Pulse Start Metal Halide Lamp	57.64	
26 01 50 51-0090	EA	150 Watt, Pulse Start Metal Halide Lamp	56.04	
26 01 50 51-0091	EA	175 Watt, Pulse Start Metal Halide Lamp	55.58	
26 01 50 51-0092	EA	250 Watt, Pulse Start Metal Halide Lamp	55.89	
26 01 50 51-0093	EA	400 Watt, Pulse Start Metal Halide Lamp	67.16	
26 01 50 51-0094	EA	1,000 Watt, Pulse Start Metal Halide Lamp	77.96	
26 01 50 51-0095	EA	1,500 Watt, Pulse Start Metal Halide Lamp	77.51	

26 01 50 51-0096 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0097	EA	35 Watt, High Pressure Sodium Lamp	43.70	
		For Enclosed And Gasket Light Fixtures, Add	*3.43*	
26 01 50 51-0098	EA	50 Watt, High Pressure Sodium Lamp	43.70	
		For Enclosed And Gasket Light Fixtures, Add	*3.43*	
26 01 50 51-0099	EA	70 Watt, High Pressure Sodium Lamp	44.67	
		For Enclosed And Gasket Light Fixtures, Add	*3.43*	
26 01 50 51-0100	EA	100 Watt, High Pressure Sodium Lamp	46.50	
		For Enclosed And Gasket Light Fixtures, Add	*3.43*	
26 01 50 51-0101	EA	150 Watt, High Pressure Sodium Lamp	44.67	
		For Enclosed And Gasket Light Fixtures, Add	*3.43*	
26 01 50 51-0102	EA	250 Watt, High Pressure Sodium Lamp	44.67	
		For Enclosed And Gasket Light Fixtures, Add	*3.43*	
26 01 50 51-0103	EA	400 Watt, High Pressure Sodium Lamp	41.93	
		For Enclosed And Gasket Light Fixtures, Add	*3.43*	
26 01 50 51-0104	EA	1,000 Watt, High Pressure Sodium Lamp	96.41	

26 01 50 51-0105 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0106	EA	35 Watt, Low Pressure Sodium Lamp	110.06	
26 01 50 51-0107	EA	55 Watt, Low Pressure Sodium Lamp	122.73	
26 01 50 51-0108	EA	70 Watt, Low Pressure Sodium Lamp	125.58	
26 01 50 51-0109	EA	90 Watt, Low Pressure Sodium Lamp	128.43	
26 01 50 51-0110	EA	135 Watt, Low Pressure Sodium Lamp	139.85	
26 01 50 51-0111	EA	180 Watt, Low Pressure Sodium Lamp	191.22	

26 01 50 51-0112 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0113 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0112)*

26 01 50 51-0114	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	26.61	

26 01 50 51-0115 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0112)*

26 01 50 51-0116	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.67	
26 01 50 51-0117	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.67	
26 01 50 51-0118	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	67.36	
26 01 50 51-0119	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	45.16	
26 01 50 51-0120	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	85.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0121		**LED Lamps, Medium Base, BR30 Or BR40** *(26 01 50 51-0112)*		
26 01 50 51-0122	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	49.91	
26 01 50 51-0123	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	43.64	
26 01 50 51-0124	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	60.30	
26 01 50 51-0125	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	49.20	
26 01 50 51-0126	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	67.72	
26 01 50 51-0127	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	49.20	
26 01 50 51-0128		**LED Lamps, Medium Base, PAR** *(26 01 50 51-0112)*		
26 01 50 51-0129	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	55.85	
26 01 50 51-0130	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	78.89	
26 01 50 51-0131	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	78.89	
26 01 50 51-0132	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	75.18	
26 01 50 51-0133	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	71.47	
26 01 50 51-0134	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	71.47	
26 01 50 51-0135	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	146.43	
26 01 50 51-0136	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.89	
26 01 50 51-0137	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	75.18	
26 01 50 51-0138	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	78.89	
26 01 50 51-0139	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.89	
26 01 50 51-0140		**LED Lamps, GU Base, MR16** *(26 01 50 51-0112)*		
26 01 50 51-0141	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	36.21	
26 01 50 51-0142	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	49.91	
26 01 50 51-0143	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	55.85	
26 01 50 51-0144		**LED Lamps, PL Series** *(26 01 50 51-0112)*		
26 01 50 51-0145	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	18.40	
26 01 50 51-0146	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	24.46	
26 01 50 51-0147	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	20.93	
26 01 50 51-0148	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	23.14	
26 01 50 51-0149	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	23.14	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	27.12	
26 01 50 51-0151	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	23.14	
26 01 50 51-0152	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	23.14	
26 01 50 51-0153	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	23.14	
26 01 50 51-0154	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	23.14	
26 01 50 51-0155	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	25.79	
26 01 50 51-0156	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	25.79	
26 01 50 51-0157	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	25.79	
26 01 50 51-0158	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	25.79	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	24.46	
26 01 50 51-0160	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	24.46	
26 01 50 51-0161	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	24.46	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	25.35	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	25.35	
26 01 50 51-0164	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	25.54	
26 01 50 51-0165	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	25.54	
26 01 50 51-0166	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	25.54	
26 01 50 51-0167	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	25.54	
26 01 50 51-0168	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	26.23	
26 01 50 51-0169	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	26.23	
26 01 50 51-0170	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	26.23	
26 01 50 51-0171	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	26.23	
26 01 50 51-0172	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	26.23	
26 01 50 51-0173	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	26.23	
26 01 50 51-0174	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	26.23	
26 01 50 51-0175	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	26.23	
26 01 50 51-0176	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	33.14	
26 01 50 51-0177	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	33.14	
26 01 50 51-0178	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	33.14	
26 01 50 51-0179	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	31.55	
26 01 50 51-0180	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	31.55	
26 01 50 51-0181	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	31.55	
26 01 50 51-0182	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	27.66	
26 01 50 51-0183		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0112)*		
26 01 50 51-0184	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	62.05	
26 01 50 51-0185	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	62.05	
26 01 50 51-0186	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	78.40	
26 01 50 51-0187	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	78.40	
26 01 50 51-0188	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	55.12	
26 01 50 51-0189	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	55.12	
26 01 50 51-0190	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	55.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0191	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	55.12	
26 01 50 51-0192	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	56.89	
26 01 50 51-0193	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	56.89	
26 01 50 51-0194	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	56.89	
26 01 50 51-0195	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	56.89	
26 01 50 51-0196	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	63.97	
26 01 50 51-0197	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	63.97	
26 01 50 51-0198	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	63.97	
26 01 50 51-0199	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	63.97	
26 01 50 51-0200	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	72.81	
26 01 50 51-0201	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	72.81	
26 01 50 51-0202	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	72.81	
26 01 50 51-0203	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	72.81	
26 01 50 51-0204	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	92.26	
26 01 50 51-0205	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	92.26	
26 01 50 51-0206	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	92.26	
26 01 50 51-0207	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	92.26	
26 01 50 51-0208	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	109.07	
26 01 50 51-0209	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	109.07	
26 01 50 51-0210	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	109.07	
26 01 50 51-0211	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	109.07	
26 01 50 51-0212	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	120.56	
26 01 50 51-0213	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	120.56	
26 01 50 51-0214	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	120.56	
26 01 50 51-0215	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	120.56	
26 01 50 51-0216	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	162.12	
26 01 50 51-0217	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	162.12	
26 01 50 51-0218	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	162.12	
26 01 50 51-0219	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	162.12	
26 01 50 51-0220	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	167.43	
26 01 50 51-0221	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	167.43	
26 01 50 51-0222	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	167.43	
26 01 50 51-0223	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	167.43	
26 01 50 51-0224	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	198.38	
26 01 50 51-0225	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	198.38	
26 01 50 51-0226	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	198.38	
26 01 50 51-0227	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	198.38	
26 01 50 51-0228	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	235.52	
26 01 50 51-0229	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	235.52	
26 01 50 51-0230	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	235.52	
26 01 50 51-0231	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	235.52	
26 01 50 51-0232	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	76.61	
26 01 50 51-0233	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	82.80	
26 01 50 51-0234	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	82.80	
26 01 50 51-0235	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	76.61	
26 01 50 51-0236	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	96.06	
26 01 50 51-0237	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	88.11	
26 01 50 51-0238	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	105.79	
26 01 50 51-0239	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	104.75	
26 01 50 51-0240	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	107.12	
26 01 50 51-0241	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	107.12	
26 01 50 51-0242	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	65.14	
26 01 50 51-0243	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	65.14	
26 01 50 51-0244	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	73.32	
26 01 50 51-0245	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	73.32	
26 01 50 51-0246	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	78.76	
26 01 50 51-0247	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	78.76	
26 01 50 51-0248	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	86.93	
26 01 50 51-0249	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	86.93	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	87.35	
26 01 50 51-0251	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	94.61	
26 01 50 51-0252	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	117.51	
26 01 50 51-0253	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	129.36	
26 01 50 51-0254	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	51.27	
26 01 50 51-0255	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	57.64	
26 01 50 51-0256	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	60.82	
26 01 50 51-0257	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	66.75	
26 01 50 51-0258	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	80.12	
26 01 50 51-0259	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	93.73	
26 01 50 51-0260	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	127.74	
26 01 50 51-0261	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	134.54	
26 01 50 51-0262	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	145.43	
26 01 50 51-0263	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	152.23	
26 01 50 51-0264	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	218.89	
26 01 50 51-0265	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	69.49	

26 01 50 51-0266 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0112)*

26 01 50 51-0267	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	209.58	
26 01 50 51-0268	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	209.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0269	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	209.58	
26 01 50 51-0270	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	62.05	
26 01 50 51-0271	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	62.05	
26 01 50 51-0272	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	62.05	
26 01 50 51-0273	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	78.40	
26 01 50 51-0274	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	78.40	
26 01 50 51-0275	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	78.40	
26 01 50 51-0276	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	144.73	
26 01 50 51-0277	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	162.12	
26 01 50 51-0278	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	162.12	
26 01 50 51-0279	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	162.12	
26 01 50 51-0280	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	162.12	
26 01 50 51-0281	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	167.43	
26 01 50 51-0282	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	167.43	
26 01 50 51-0283	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	167.43	
26 01 50 51-0284	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	167.43	
26 01 50 51-0285	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	198.38	
26 01 50 51-0286	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	198.38	
26 01 50 51-0287	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	198.38	
26 01 50 51-0288	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	198.38	
26 01 50 51-0289	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	235.52	
26 01 50 51-0290	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	235.52	
26 01 50 51-0291	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	235.52	
26 01 50 51-0292	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	235.52	
26 01 50 51-0293	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	82.80	
26 01 50 51-0294	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	82.80	
26 01 50 51-0295	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	96.06	
26 01 50 51-0296	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	94.84	
26 01 50 51-0297	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	105.79	
26 01 50 51-0298	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	104.75	
26 01 50 51-0299	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	107.12	
26 01 50 51-0300	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	104.04	
26 01 50 51-0301	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	224.29	
26 01 50 51-0302	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	82.77	
26 01 50 51-0303	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	82.77	
26 01 50 51-0304	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	93.77	
26 01 50 51-0305	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	93.77	
26 01 50 51-0306	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	100.39	
26 01 50 51-0307	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	100.39	
26 01 50 51-0308	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	65.03	
26 01 50 51-0309	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	65.03	
26 01 50 51-0310	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	73.32	
26 01 50 51-0311	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	73.32	
26 01 50 51-0312	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	78.76	
26 01 50 51-0313	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	78.76	
26 01 50 51-0314	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	86.93	
26 01 50 51-0315	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	86.93	
26 01 50 51-0316	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	155.80	
26 01 50 51-0317	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	180.03	
26 01 50 51-0318	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	214.52	
26 01 50 51-0319	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	417.60	
26 01 50 51-0320	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	394.41	
26 01 50 51-0321	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	417.60	
26 01 50 51-0322	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	419.41	
26 01 50 51-0323	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	64.63	
26 01 50 51-0324	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	64.63	
26 01 50 51-0325	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	64.63	
26 01 50 51-0326	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	189.45	
26 01 50 51-0327	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	423.64	
26 01 50 51-0328	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	181.44	
26 01 50 51-0329	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	213.44	
26 01 50 51-0330	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	95.08	
26 01 50 51-0331	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	295.96	
26 01 50 51-0332		LED Lamps, 2G11 Base *(26 01 50 51-0112)*		
26 01 50 51-0333	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	50.07	
26 01 50 51-0334		LED Lamps, GX23 Or G23 Base *(26 01 50 51-0112)*		
26 01 50 51-0335	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	24.88	
26 01 50 51-0336		LED Lamps, G24 Base *(26 01 50 51-0112)*		
26 01 50 51-0337	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	32.18	
26 01 50 51-0338		LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0112)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0339	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	44.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0340	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	57.25	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0341	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	47.54	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.78*	
26 01 50 51-0342	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	52.04	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0343	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	56.96	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0344	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	36.03	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0345	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	34.68	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0346	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	31.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.56*	
26 01 50 51-0347	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	32.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.78*	
26 01 50 51-0348	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	32.25	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	
26 01 50 51-0349	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	33.41	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.00*	

26 01 50 51-0350 Filament LED Lamps *(26 01 50 51-0112)*

26 01 50 51-0351	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	20.46	
26 01 50 51-0352	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	20.46	
26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	19.58	
26 01 50 51-0354	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	19.58	
26 01 50 51-0355	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	20.99	
26 01 50 51-0356	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	20.99	
26 01 50 51-0357	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.81	
26 01 50 51-0358	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	17.81	
26 01 50 51-0359	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	18.34	
26 01 50 51-0360	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	22.23	
26 01 50 51-0361	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	24.13	

26 01 50 51-0362 Other Lamps *(26 01 50 51-0112)*

26 01 50 51-0363	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.44	
26 01 50 51-0364	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	19.44	
26 01 50 51-0365	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	19.44	
26 01 50 51-0366	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	20.32	
26 01 50 51-0367	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.32	
26 01 50 51-0368	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	20.32	

26 01 50 51-0369 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0112)*

26 01 50 51-0370	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	58.34	
26 01 50 51-0371	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	34.05	

26 01 50 51-0372 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0381 for recycling hazardous lamps.

26 01 50 51-0373	EA	Removal Of 2' Length Linear Fluorescent Lamps	4.72	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.56*	
26 01 50 51-0374	EA	Removal Of 3' Length Linear Fluorescent Lamps	5.39	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.78*	
26 01 50 51-0375	EA	Removal Of 4' Length Linear Fluorescent Lamps	6.07	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.00*	
26 01 50 51-0376	EA	Removal Of 6' Length Linear Fluorescent Lamps	6.74	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.22*	
26 01 50 51-0377	EA	Removal Of 8' Length Linear Fluorescent Lamps	7.41	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.45*	
26 01 50 51-0378	EA	Removal Of Compact Fluorescent Lamps	4.04	
		For >25 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-0.81*	
26 01 50 51-0379	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	6.41	
		For >25 To 40, Deduct	*-0.64*	
		For >40, Deduct	*-1.28*	
26 01 50 51-0380	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	11.46	
		For >25 To 40, Deduct	*-1.15*	
		For >40, Deduct	*-2.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0381		Recycle Hazardous Lamps *(26 01 50 51)* Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0382	EA	Recycle 2' Length Linear Fluorescent Lamps	1.79	
26 01 50 51-0383	EA	Recycle 3' Length Linear Fluorescent Lamps	2.29	
26 01 50 51-0384	EA	Recycle 4' Length Linear Fluorescent Lamps	2.79	
26 01 50 51-0385	EA	Recycle 6' Length Linear Fluorescent Lamps	3.95	
26 01 50 51-0386	EA	Recycle 8' Length Linear Fluorescent Lamps	4.95	
26 01 50 51-0387	EA	Recycle Compact Fluorescent Lamps	4.56	
26 01 50 51-0388	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.56	
26 01 50 51-0389	EA	Recycle High Intensity Discharge (HID) Lamps	7.20	
26 01 50 52		**Ballasts Replacement** *(26 01 50)*		
26 01 50 52-0001		Lighting Ballasts *(26 01 50 52)* Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002		Fluorescent Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0003		T5 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0004		T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005		14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.62	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	149.35	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0008		21 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.62	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	149.35	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0011		28 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.62	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	149.35	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0014		35 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.62	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	149.35	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0017		54 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.45	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	149.18	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	204.49	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	211.23	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0022		High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	119.55	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	126.28	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0026		24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	156.42	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	163.15	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0029		**39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	156.42	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	163.15	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0032		**54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	119.55	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	126.28	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0035		**Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0003)*		
26 01 50 52-0036		**Step Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		**28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast** *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	129.13	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0039		**Dimming To 5%, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		**54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	505.70	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	498.49	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0043		**T8 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0044		**T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		**17 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	62.28	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	109.81	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	69.01	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	116.54	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.10	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.59	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	96.26	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	143.01	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*28.42*	
26 01 50 52-0054		**25 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	62.28	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	109.81	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	69.01	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	116.54	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*12.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.10	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.59	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	96.26	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	143.01	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	62.28	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	109.81	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	69.01	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	116.54	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.10	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.59	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	96.26	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	143.01	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	62.28	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	109.81	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	69.01	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	116.54	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.10	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.59	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	96.26	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	143.01	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	99.74	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	109.81	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	106.47	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	116.54	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	133.02	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
		For High Ballast Factor, Add	*5.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.59	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	139.76	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
		For High Ballast Factor, Add	*5.20*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	143.01	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0090		96 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	119.55	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
		For High Ballast Factor, Add	*18.09*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	126.28	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
		For High Ballast Factor, Add	*18.09*	
26 01 50 52-0093		High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094		48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	145.05	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.10	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	151.78	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.83	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0099		60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	145.05	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.10	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	151.78	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.83	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0104		72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	145.05	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.10	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	151.78	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.83	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0109		96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	145.05	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.10	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	151.78	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.83	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0114		Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
26 01 50 52-0115		Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	92.11	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.26	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	173.00	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0123		25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	92.11	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.26	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	173.00	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0130		28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	92.11	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.26	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	173.00	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0137		32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	92.11	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.26	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	173.00	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0144		40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	92.11	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.26	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	173.00	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0151		Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0152		17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	89.66	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.50	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	165.24	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0159		25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	89.66	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.50	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	165.24	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0166		**28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	89.66	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.50	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	165.24	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0173		**32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	89.66	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.50	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	165.24	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0180		**40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	73.16	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.89	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	89.66	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	111.02	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.50	53.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	165.24	60.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 01 50 52-0187		**Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188		**17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.84	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.57	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.71	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	228.45	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0193		**25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.84	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.57	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.71	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	228.45	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0198		**28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.84	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.57	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.71	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	228.45	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0203		**32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.84	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.57	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.71	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	228.45	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0208		**T10 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0209		**T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0208)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		**40 Watt, T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0209)*		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	88.37	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	95.10	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	116.62	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0214		**T12 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0215		**T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		**25 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	62.28	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.37	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	69.01	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	95.10	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	84.10	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	96.26	47.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0223		**30 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.37	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	95.10	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	116.62	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0227		**34 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.37	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	95.10	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	116.62	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0231		**40 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.37	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	95.10	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	116.62	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0235		**96 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	110.94	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	126.28	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0238		**High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		**48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.54	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	152.27	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0242		**60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.54	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	152.27	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.54	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	152.27	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.54	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	152.27	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)*		
		Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	227.46	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	377.03	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	469.64	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	346.07	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,640.75	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.80*	
		For Factory Installation In New Fixtures, Deduct	*-59.32*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	476.69	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	801.83	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	439.14	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	600.81	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	464.86	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	525.42	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	

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26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	568.98	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	478.12	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	485.72	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	422.73	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	439.14	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	429.52	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	789.16	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	987.87	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,852.23	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,285.37	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	651.59	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
		For Factory Installation In New Fixtures, Deduct	*-56.63*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	846.17	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,752.71	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	178.44	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	270.80	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	326.19	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	365.73	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	375.73	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	491.49	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	584.37	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.18*	
		For Factory Installation In New Fixtures, Deduct	*-53.93*	

26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0286		**18 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	134.82	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	141.55	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0289		**26 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	134.82	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	141.55	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0292		**32 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.47	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	174.20	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0295		**40 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	130.92	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.47	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	247.33	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	174.20	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	292.28	40.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 01 50 52-0301		**42 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.47	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	174.20	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0304		**55 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.47	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	174.20	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0307		**Dimming, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0284)*		
26 01 50 52-0308		**Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0307)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		**18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.95	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	257.68	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0312		**26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.95	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	257.68	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0315		**32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.95	26.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	275.71	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0318		**40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	275.71	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0320			42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
	26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.95	26.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
	26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	275.71	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0323			55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
	26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	402.01	26.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
	26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	451.13	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0326			High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0327			Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*		
26 01 50 52-0328			Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0329			Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
	26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	182.34	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	186.71	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	186.71	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	174.27	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	174.27	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.66	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.66	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	331.11	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	368.58	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0339			High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
	26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	165.07	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	174.84	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	170.62	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	200.00	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	195.80	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	223.06	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	223.06	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	268.39	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	268.39	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	427.47	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
	26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	427.47	33.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0351			Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
	26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	19.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
	26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	32.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.07*	
26 01 50 52-0354			F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0355			Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*		
	26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	230.48	33.70
			For Pulse Start Ballast, Add	*18.33*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	242.60	33.70
		For Pulse Start Ballast, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	221.30	33.70
		For Pulse Start Ballast, Add	*17.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	256.31	33.70
		For Pulse Start Ballast, Add	*20.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	354.42	33.70
		For Pulse Start Ballast, Add	*30.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0361		**High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0354)*		
26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	276.43	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	295.32	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0364		**Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0365		**Metal Halide, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	457.61	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0367		**High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	702.97	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.12*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	783.54	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.12*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	755.66	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.12*	
26 01 50 52-0371		**Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0372		**Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	562.55	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	638.00	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	841.46	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	837.08	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,171.52	36.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,171.52	36.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	807.14	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	948.94	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0381		**High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,046.45	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	996.47	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,279.81	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,279.81	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0386		**Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0387		**Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	631.69	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	682.04	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	677.08	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	710.82	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,127.53	36.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,385.13	36.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,052.30	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	958.38	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	

26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*

26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	814.40	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	877.91	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,309.12	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,126.93	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	

26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	254.63	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	254.63	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	286.46	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	732.53	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	732.53	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	732.53	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	732.53	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	732.53	33.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	26.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	33.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	39.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.73*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	41.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.54*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	47.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	49.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	89.14	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	202.48	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	223.99	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	96.66	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	33.55	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	34.62	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	39.26	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	15.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	15.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	16.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	18.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	20.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
	26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	16.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
	26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	62.75	

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

	26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	113.10	
	26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	113.10	
	26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	113.10	
	26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	94.59	
	26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	94.59	
	26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	94.59	
	26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	102.38	
	26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	102.38	
	26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	102.38	

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

	26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	319.89	
	26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	331.58	
	26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	343.27	
	26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	357.66	
	26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	391.76	
	26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	406.14	
	26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	438.30	
	26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	449.99	
	26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	464.37	
	26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	485.81	
	26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	508.96	
	26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	531.37	
	26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	543.07	
	26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	562.55	
	26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	586.07	
	26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	610.43	
	26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	647.46	
	26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	664.02	
	26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	693.02	
	26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	731.02	
	26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	750.51	
	26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	797.43	
	26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	840.30	
	26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	870.27	
	26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	912.17	
	26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	993.79	
	26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	1,003.53	
	26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,029.01	

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

	26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	139.36	
	26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	139.36	
	26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	139.36	
	26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	144.23	
	26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	144.23	
	26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	144.23	
	26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	153.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	153.97	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	153.97	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	144.23	
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	144.23	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	144.23	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	153.97	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	153.97	
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	153.97	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	173.46	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	173.46	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	173.46	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	139.36	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	139.36	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	139.36	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	139.36	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	139.36	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	139.36	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	144.23	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	144.23	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	144.23	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	150.07	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	150.07	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	150.07	
26 01 50 81-0073		LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	300.08	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	300.08	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	271.82	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	271.82	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	140.43	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	140.43	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	158.94	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	158.94	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	172.59	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	172.59	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	177.46	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	177.46	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	112.17	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	112.17	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	123.87	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	123.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	115.10	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	115.10	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	126.79	
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	126.79	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	114.12	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	114.12	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	122.89	
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	122.89	
26 01 50 81-0098		**LED Lighting Retrofit Accessories (LG)** *(26 01 50 81-0002)* See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	26.22	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	143.18	15.34
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	149.31	18.40
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	183.36	15.34
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	189.49	18.40
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	94.86	12.27
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	32.83	12.27
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	35.18	12.27
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	90.05	18.40
26 01 50 81-0108		**Retrofit Existing (T12) Fluorescent Fixtures** *(26 01 50 81-0001)* Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.		
26 01 50 81-0109		**Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector** *(26 01 50 81-0108)* Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	117.29	
		For Specular Ballast Cover, Add	*14.04*	
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	124.57	
		For Specular Ballast Cover, Add	*15.50*	
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	167.26	
		For Specular Ballast Cover, Add	*24.04*	
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	193.08	
		For Specular Ballast Cover, Add	*29.20*	
26 01 50 81-0114		**Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector** *(26 01 50 81-0108)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	123.56	
		For Specular Reflector, Add	*15.30*	
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	131.60	
		For Specular Reflector, Add	*16.91*	
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	176.05	
		For Specular Reflector, Add	*25.80*	
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	226.81	
		For Specular Reflector, Add	*35.95*	
26 01 50 81-0119		**Retrofit Existing (T12) Troffer Style Fluorescent Fixtures** *(26 01 50 81-0108)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	153.35	
		For Specular Reflector, Add	*18.56*	
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	160.63	
		For Specular Reflector, Add	*20.02*	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	162.88	
		For Specular Reflector, Add	*20.47*	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	182.14	
		For Specular Reflector, Add	*24.32*	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	222.16	
		For Specular Reflector, Add	*32.33*	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	168.16	
		For Specular Reflector, Add	*21.53*	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	185.05	
		For Specular Reflector, Add	*24.90*	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	199.01	
		For Specular Reflector, Add	*27.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0128		Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*		
26 01 50 81-0129		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)*		
		Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	174.14	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	174.14	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	174.14	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	188.55	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	174.14	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	174.14	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	174.14	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	188.55	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	175.19	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	175.19	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	175.19	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	189.59	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	175.19	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	175.19	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	175.19	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	189.59	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)*		
		Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	236.88	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	246.67	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)*		
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	366.70	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	375.45	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	366.70	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	375.45	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	419.19	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	432.31	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	462.93	
26 01 50 81-0157		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)*		
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	339.93	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	352.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	355.79	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	367.99	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	257.57	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	263.37	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	272.64	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	278.44	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	343.35	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	408.25	
26 01 50 81-0168		**Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)** *(26 01 50 81-0128)* Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	319.32	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	231.93	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	327.51	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	240.05	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	342.27	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	262.00	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	373.97	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	286.39	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	381.63	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	294.12	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	396.21	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	315.96	
26 01 50 81-0181		**LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)** *(26 01 50 81-0128)* Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	674.34	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	748.94	
26 01 50 81-0184		**Retrofit Existing HID Fixtures** *(26 01 50 81-0001)*		
26 01 50 81-0185	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,526.24	
26 01 50 81-0186		**LED Lighting Retrofits For Existing Fluorescent Fixtures** *(26 01 50 81-0001)* Note: Excludes recycling or disposal of lamps and ballasts.		
26 01 50 81-0187		**LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia)** *(26 01 50 81-0186)*		
26 01 50 81-0188	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	121.25	
		For >25 To 50, Deduct	*-6.06*	
		For >50 To 100, Deduct	*-10.61*	
		For >100, Deduct	*-18.18*	
26 01 50 81-0189	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	173.30	
		For >25 To 50, Deduct	*-8.67*	
		For >50 To 100, Deduct	*-14.51*	
		For >100, Deduct	*-23.38*	
26 01 50 81-0190	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.68	
		For >25 To 50, Deduct	*-6.58*	
		For >50 To 100, Deduct	*-11.47*	
		For >100, Deduct	*-19.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0191	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	121.52	
		For >25 To 50, Deduct	*-6.08*	
		For >50 To 100, Deduct	*-10.71*	
		For >100, Deduct	*-18.54*	
26 01 50 81-0192	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	157.47	
		For >25 To 50, Deduct	*-7.87*	
		For >50 To 100, Deduct	*-13.49*	
		For >100, Deduct	*-22.47*	
26 01 50 81-0193	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	202.58	
		For >25 To 50, Deduct	*-10.13*	
		For >50 To 100, Deduct	*-16.87*	
		For >100, Deduct	*-26.98*	
26 01 50 81-0194	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.15	
		For >25 To 50, Deduct	*-6.56*	
		For >50 To 100, Deduct	*-11.52*	
		For >100, Deduct	*-19.84*	
26 01 50 81-0195	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.15	
		For >25 To 50, Deduct	*-6.56*	
		For >50 To 100, Deduct	*-11.52*	
		For >100, Deduct	*-19.84*	
26 01 50 81-0196	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	166.49	
		For >25 To 50, Deduct	*-8.32*	
		For >50 To 100, Deduct	*-14.17*	
		For >100, Deduct	*-23.37*	
26 01 50 81-0197	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	142.43	
		For >25 To 50, Deduct	*-7.12*	
		For >50 To 100, Deduct	*-12.36*	
		For >100, Deduct	*-20.97*	
26 01 50 81-0198	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	142.43	
		For >25 To 50, Deduct	*-7.12*	
		For >50 To 100, Deduct	*-12.36*	
		For >100, Deduct	*-20.97*	

26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0186)*

26 01 50 81-0200	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	280.43	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.02*	
		For >50 To 100, Deduct	*-22.71*	
		For >100, Deduct	*-34.77*	
26 01 50 81-0201	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	301.77	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.09*	
		For >50 To 100, Deduct	*-24.31*	
		For >100, Deduct	*-36.90*	
26 01 50 81-0202	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	317.72	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.89*	
		For >50 To 100, Deduct	*-25.51*	
		For >100, Deduct	*-38.50*	
26 01 50 81-0203	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	342.64	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-17.13*	
		For >50 To 100, Deduct	*-27.38*	
		For >100, Deduct	*-40.99*	
26 01 50 81-0204	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	368.36	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-29.64*	
		For >100, Deduct	*-44.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0205	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	397.30	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-19.87*	
		For >50 To 100, Deduct	*-31.82*	
		For >100, Deduct	*-47.80*	

26 01 50 81-0206 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0186)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0207	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	113.48	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.67*	
		For >50 To 100, Deduct	*-10.02*	
		For >100, Deduct	*-17.40*	
26 01 50 81-0208	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	113.48	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.67*	
		For >50 To 100, Deduct	*-10.02*	
		For >100, Deduct	*-17.40*	
26 01 50 81-0209	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	148.56	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.43*	
		For >50 To 100, Deduct	*-12.82*	
		For >100, Deduct	*-21.58*	
26 01 50 81-0210	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	148.56	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.43*	
		For >50 To 100, Deduct	*-12.82*	
		For >100, Deduct	*-21.58*	
26 01 50 81-0211	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	148.68	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.43*	
		For >50 To 100, Deduct	*-12.83*	
		For >100, Deduct	*-21.59*	
26 01 50 81-0212	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	161.72	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.09*	
		For >50 To 100, Deduct	*-13.81*	
		For >100, Deduct	*-22.90*	
26 01 50 81-0213	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	148.68	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.43*	
		For >50 To 100, Deduct	*-12.83*	
		For >100, Deduct	*-21.59*	
26 01 50 81-0214	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	161.72	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.09*	
		For >50 To 100, Deduct	*-13.81*	
		For >100, Deduct	*-22.90*	
26 01 50 81-0215	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	148.68	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.43*	
		For >50 To 100, Deduct	*-12.83*	
		For >100, Deduct	*-21.59*	
26 01 50 81-0216	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	161.72	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.09*	
		For >50 To 100, Deduct	*-13.81*	
		For >100, Deduct	*-22.90*	
26 01 50 81-0217	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	148.68	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.43*	
		For >50 To 100, Deduct	*-12.83*	
		For >100, Deduct	*-21.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0218	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F) Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	161.72	
		For >25 To 50, Deduct	*-8.09*	
		For >50 To 100, Deduct	*-13.81*	
		For >100, Deduct	*-22.90*	
26 01 50 81-0219	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	161.61	
		For >25 To 50, Deduct	*-8.08*	
		For >50 To 100, Deduct	*-13.80*	
		For >100, Deduct	*-22.89*	
26 01 50 81-0220	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	189.51	
		For >25 To 50, Deduct	*-9.48*	
		For >50 To 100, Deduct	*-15.89*	
		For >100, Deduct	*-25.68*	
26 01 50 81-0221	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	205.82	
		For >25 To 50, Deduct	*-10.29*	
		For >50 To 100, Deduct	*-17.12*	
		For >100, Deduct	*-27.31*	
26 01 50 81-0222	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	189.51	
		For >25 To 50, Deduct	*-9.48*	
		For >50 To 100, Deduct	*-15.89*	
		For >100, Deduct	*-25.68*	
26 01 50 81-0223	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	205.82	
		For >25 To 50, Deduct	*-10.29*	
		For >50 To 100, Deduct	*-17.12*	
		For >100, Deduct	*-27.31*	
26 01 50 81-0224	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800) Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts	200.92	
		For >25 To 50, Deduct	*-10.05*	
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-21.44*	
26 01 50 81-0225	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W) Note: 90-minute emergency battery with power output of 20 Watts	184.43	
		For >25 To 50, Deduct	*-9.22*	
		For >50 To 100, Deduct	*-14.17*	
		For >100, Deduct	*-19.79*	
26 01 50 81-0226	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50) Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	193.20	
		For >25 To 50, Deduct	*-9.66*	
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-28.06*	
26 01 50 81-0227	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	201.35	
		For >25 To 50, Deduct	*-10.07*	
		For >50 To 100, Deduct	*-17.29*	
		For >100, Deduct	*-28.88*	
26 01 50 81-0228	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	281.42	
		For >25 To 50, Deduct	*-14.07*	
		For >50 To 100, Deduct	*-23.29*	
		For >100, Deduct	*-36.89*	
26 01 50 81-0229	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	314.03	
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-25.74*	
		For >100, Deduct	*-40.15*	
26 01 50 81-0230	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	281.42	
		For >25 To 50, Deduct	*-14.07*	
		For >50 To 100, Deduct	*-23.29*	
		For >100, Deduct	*-36.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	314.03	
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-25.74*	
		For >100, Deduct	*-40.15*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,116.94	1,032.49
26 05 13 16-0005	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,894.69	1,127.38
26 05 13 16-0006	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,858.00	1,273.76
26 05 13 16-0007	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,620.72	1,569.33
26 05 13 16-0008	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,684.39	1,767.21
26 05 13 16-0009	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,706.26	1,961.55
26 05 13 16-0010	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,051.88	2,204.01
26 05 13 16-0011	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,344.18	2,452.05
26 05 13 16-0012	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	16,705.42	2,927.68
26 05 13 16-0013	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	21,118.19	3,441.43
26 05 13 16-0014	MLF	750 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	31,710.51	4,056.10
26 05 13 16-0015	MLF	1,000 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	42,309.27	4,670.47

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*
Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,987.90	
26 05 13 16-0018	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,528.31	
26 05 13 16-0019	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,125.61	
26 05 13 16-0020	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,392.03	
26 05 13 16-0021	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,960.88	
26 05 13 16-0022	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,738.79	
26 05 13 16-0023	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,478.29	
26 05 13 16-0024	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,398.60	
26 05 13 16-0025	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,699.53	
26 05 13 16-0026	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,944.04	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0028	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,239.64	651.06
26 05 13 16-0029	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,903.38	698.08
26 05 13 16-0030	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,983.76	882.78

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0031		MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,502.04	1,071.67
26 05 13 16-0032		MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,558.64	1,258.04
26 05 13 16-0033		MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,567.45	1,438.70
26 05 13 16-0034		MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,910.34	1,669.30
26 05 13 16-0035		MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,710.15	2,100.09
26 05 13 16-0036		MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,340.08	2,657.26
26 05 13 16-0037		MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,251.85	3,338.59
26 05 13 16-0038			**5 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0002)*		
26 05 13 16-0039		MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,982.79	2,057.62
26 05 13 16-0040		MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,400.36	2,087.19
26 05 13 16-0041		MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,817.93	2,116.76
26 05 13 16-0042		MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,318.55	2,163.55
26 05 13 16-0043		MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,801.23	2,246.08
26 05 13 16-0044		MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	21,239.73	2,353.92
26 05 13 16-0045		MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	32,947.55	2,942.40
26 05 13 16-0046		MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	37,958.70	3,923.25
26 05 13 16-0047			**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** *(26 05 13 16-0002)*		
26 05 13 16-0048		MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,393.40	1,032.49
26 05 13 16-0049		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,268.42	1,127.38
26 05 13 16-0050		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,339.25	1,273.76
26 05 13 16-0051		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,312.56	1,421.47
26 05 13 16-0052		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,286.27	1,569.33
26 05 13 16-0053		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,452.33	1,767.21
26 05 13 16-0054		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,750.66	1,961.55
26 05 13 16-0055		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,229.40	2,204.01
26 05 13 16-0056		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	15,822.73	2,452.05
26 05 13 16-0057		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	18,394.90	2,927.68
26 05 13 16-0058		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	23,370.83	3,441.43
26 05 13 16-0059		MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	35,593.82	4,056.10
26 05 13 16-0060		MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	47,823.22	4,670.47
26 05 13 16-0061			**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** *(26 05 13 16-0002)* Note: Excludes excavation.		
26 05 13 16-0062		MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,264.36	
26 05 13 16-0063		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,902.05	
26 05 13 16-0064		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,606.86	
26 05 13 16-0065		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,332.76	
26 05 13 16-0066		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,057.58	
26 05 13 16-0067		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,728.83	
26 05 13 16-0068		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,783.20	
26 05 13 16-0069		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,655.81	
26 05 13 16-0070		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,877.15	
26 05 13 16-0071		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,389.01	
26 05 13 16-0072		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,196.68	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0073			Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*		
26 05 13 16-0074		MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,516.10	651.06
26 05 13 16-0075		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,277.11	698.08
26 05 13 16-0076		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,465.01	882.78
26 05 13 16-0077		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,314.56	976.53
26 05 13 16-0078		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,167.59	1,071.67
26 05 13 16-0079		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,326.58	1,258.04
26 05 13 16-0080		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,611.85	1,438.70
26 05 13 16-0081		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,087.86	1,669.30
26 05 13 16-0082		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,188.70	2,100.09
26 05 13 16-0083		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,029.56	2,657.26
26 05 13 16-0084		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,504.49	3,338.59
26 05 13 16-0085			15 KV Cable *(26 05 13 16-0001)*		
26 05 13 16-0086			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0087			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0086)*		
26 05 13 16-0088		MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,083.74	2,057.62
26 05 13 16-0089		MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,885.18	2,057.62
26 05 13 16-0090		MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	10,190.88	2,057.62
26 05 13 16-0091		MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,186.75	2,057.62
26 05 13 16-0092		MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	12,131.97	2,057.62
26 05 13 16-0093		MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	13,943.89	2,147.81
26 05 13 16-0094		MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	14,315.22	2,147.81
26 05 13 16-0095		MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	16,586.63	2,246.08
26 05 13 16-0096		MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	18,895.63	2,298.75
26 05 13 16-0097		MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	23,386.05	2,589.32
26 05 13 16-0098			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)* Note: Excludes excavation.		
26 05 13 16-0099		MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,977.51	
26 05 13 16-0100		MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,973.36	
26 05 13 16-0101		MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,918.59	
26 05 13 16-0102		MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,758.95	
26 05 13 16-0103		MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,130.27	
26 05 13 16-0104		MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,523.20	
26 05 13 16-0105		MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,835.96	
26 05 13 16-0106		MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	21,032.14	
26 05 13 16-0107			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0108	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,480.76	930.07
26 05 13 16-0109	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,847.20	1,071.67
26 05 13 16-0110	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,280.18	1,258.04
26 05 13 16-0111	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,339.73	1,438.70
26 05 13 16-0112	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,314.44	1,669.30
26 05 13 16-0113	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,057.17	1,943.28
26 05 13 16-0114	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,074.82	2,264.42
26 05 13 16-0115	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,796.61	2,630.34

26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*

26 05 13 16-0117 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*

26 05 13 16-0118	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,792.88	2,057.62
26 05 13 16-0119	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,738.58	2,057.62
26 05 13 16-0120	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,099.31	2,057.62
26 05 13 16-0121	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,274.43	2,057.62
26 05 13 16-0122	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,389.79	2,057.62
26 05 13 16-0123	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,487.30	2,147.81
26 05 13 16-0124	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,925.48	2,147.81
26 05 13 16-0125	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	18,561.47	2,246.08
26 05 13 16-0126	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	21,262.40	2,298.75
26 05 13 16-0127	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	26,430.34	2,589.32

26 05 13 16-0128 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)*

Note: Excludes excavation.

26 05 13 16-0129	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,885.94	
26 05 13 16-0130	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,061.05	
26 05 13 16-0131	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,176.41	
26 05 13 16-0132	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,302.37	
26 05 13 16-0133	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,740.53	
26 05 13 16-0134	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,492.30	
26 05 13 16-0135	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	19,193.51	
26 05 13 16-0136	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	24,076.44	

26 05 13 16-0137 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0116)*

26 05 13 16-0138	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,389.19	930.07
26 05 13 16-0139	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,934.89	1,071.67
26 05 13 16-0140	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,538.00	1,258.04
26 05 13 16-0141	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,883.15	1,438.70
26 05 13 16-0142	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,924.70	1,669.30
26 05 13 16-0143	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,032.02	1,943.28
26 05 13 16-0144	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,441.59	2,264.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0145	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	26,840.91	2,630.34
26 05 13 16-0146		**15 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0085)*		
26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	13,363.17	2,064.83
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,436.27	2,114.19
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	17,558.56	2,163.55
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	24,379.75	2,307.72
26 05 13 16-0151		**Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0085)* Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152		**Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0153	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	61.30	15.74
26 05 13 16-0154	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	73.99	16.77
26 05 13 16-0155		**Aluminum Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	61.30	15.74
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	73.99	16.77
26 05 13 16-0158		**Underground Residential Distribution (URD), 15 KV Primary Concentric UD Cable** *(26 05 13 16-0085)* Note: 0.175" cross-linked polyethylene (XLPE) insulation, copper conductor.		
26 05 13 16-0159	MLF	#4 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,491.88	1,032.49
26 05 13 16-0160	MLF	#2 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,401.55	1,127.38
26 05 13 16-0161	MLF	#1 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,510.67	1,273.76
26 05 13 16-0162	MLF	1/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,512.92	1,565.07
26 05 13 16-0163	MLF	2/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,712.65	1,761.91
26 05 13 16-0164	MLF	3/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	12,122.69	1,961.55
26 05 13 16-0165	MLF	4/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	13,628.28	2,195.77
26 05 13 16-0166		**15 KV, Underground Residential Distribution (URD), Copper Cable, Direct Burial** *(26 05 13 16-0085)*		
26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	23,371.66	
26 05 13 16-0168		**Wire Connections** *(26 05 13 16-0001)*		
26 05 13 16-0169		**Medium Voltage Up To 5 KV** *(26 05 13 16-0168)*		
26 05 13 16-0170		**Shielded One Conductor Cable Splice** *(26 05 13 16-0169)*		
26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	505.09	134.31
26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	742.37	134.31
26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	742.37	134.31
26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	782.34	161.17
26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	782.34	161.17
26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	782.34	161.17
26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	835.64	188.03
26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	835.64	188.03
26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	835.64	188.03
26 05 13 16-0180		**Cable Termination Without Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	823.42	161.17
26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	947.46	188.03
26 05 13 16-0183		**Cable Termination With Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,678.72	322.33
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,670.72	443.22
26 05 13 16-0186		**Connect To Pothead, Pothead Included** *(26 05 13 16-0169)*		
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,822.04	322.33
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,664.85	369.35
26 05 13 16-0189		**Two Conductor Pothead** *(26 05 13 16-0169)* Note: Includes 5 KV pothead.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,758.71	443.22
	26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,414.23	564.09
	26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,994.98	639.57
	26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	6,924.02	746.21
	26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	13,101.89	1,119.18
26 05 13 16-0195			Three Conductor Pothead *(26 05 13 16-0169)*		
			Note: Includes 5 KV pothead.		
	26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,842.95	644.68
	26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,616.38	752.12
26 05 13 16-0198			Copper Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
			Note: For bare wire.		
	26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	90.68	
	26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	101.13	
	26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	117.86	
	26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	132.56	
	26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	150.10	
	26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	166.53	
	26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	182.49	
	26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	200.36	
	26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	217.07	
	26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	234.66	
	26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	253.35	
	26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	269.39	
	26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	306.09	
	26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	345.41	
26 05 13 16-0213			Aluminum Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
			Note: For bare wire.		
	26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	95.79	
	26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	103.96	
	26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	141.89	
	26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	173.82	
	26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	188.92	
	26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	203.86	
	26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	225.18	
	26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	243.32	
	26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	260.29	
	26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	278.41	
	26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	295.69	
	26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	343.77	
	26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	392.41	
26 05 13 16-0227			15 KV *(26 05 13 16-0168)*		
26 05 13 16-0228			Single Conductor Pothead On Racks *(26 05 13 16-0227)*		
			Note: Includes pothead.		
	26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,114.83	564.09
	26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,718.71	698.40
26 05 13 16-0231			Two Conductor Pothead On Rack *(26 05 13 16-0227)*		
			Note: Includes pothead.		
	26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	3,064.65	859.57
	26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,710.45	1,020.73
26 05 13 16-0234			Three Conductor Pothead On Rack *(26 05 13 16-0227)*		
			Note: Includes pothead.		
	26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,884.92	1,114.75
	26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,833.06	1,396.79
26 05 13 16-0237			Stress Relief Cone On Rack *(26 05 13 16-0227)*		
	26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,941.68	564.09
	26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,524.04	698.40
26 05 13 16-0240			Grounded, Shielded Cable Splice *(26 05 13 16-0227)*		
	26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,295.26	416.35
	26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,654.27	537.22
	26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	9,496.66	1,477.37
	26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	12,593.86	1,611.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0245		**Cable Termination** *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	917.00	235.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.02*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	1,151.19	302.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.31*	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,434.61	369.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.61*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	605.75	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 05 13 16-0250		**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,346.17	174.60
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,542.02	192.98
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,856.54	211.18
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,427.51	243.31
26 05 13 16-0255		**Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,692.39	349.79
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,084.47	385.94
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	3,697.41	414.53
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	4,855.01	486.62
26 05 13 16-0260		**35 KV** *(26 05 13 16-0168)*		
26 05 13 16-0261		**35 KV One Conductor Splice** *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,251.03	
26 05 13 16-0263		**Cable Termination** *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	861.89	161.30
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	1,146.52	243.37
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	1,360.41	260.29
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	675.46	134.31
26 05 13 16-0268		**70 KV** *(26 05 13 16-0168)*		
26 05 13 16-0269		**Cable Splice** *(26 05 13 16-0268)*		
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing	22,808.62	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing	3,426.20	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001		**Under Carpet Power System** *(26 05 19 13)*		
		Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	7.21	0.61
26 05 19 13-0003	LF	Steel, Top Shield	11.83	0.61
26 05 19 13-0004	EA	3-Conductor, Splice	40.20	10.43
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	11.40	4.91
26 05 19 13-0006	EA	3-Conductor, Tap	50.21	12.27
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	79.20	10.43
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	51.74	6.13
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	155.95	19.64
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	260.12	30.68
26 05 19 13-0011	EA	Floor Mounted Box With Cover	259.84	24.55
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	11.52	0.61
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	11.43	0.61
26 05 19 13-0014	EA	5-Conductor, Splice	40.75	10.43
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	68.67	6.13
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	115.20	24.55
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	75.50	20.25
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	99.71	23.31
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	43.00	9.20
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.48	0.61
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	33.79	12.27
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	33.79	12.27
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	177.96	61.36

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0002		**Pull Cord** *(26 05 19 16-0001)* Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.42	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.22	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.73	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.46	
26 05 19 16-0007		**Bore Conduit Into Dirt Or Sand** *(26 05 19 16-0001)* Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	3.51	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	4.46	
26 05 19 16-0010	EA	Minimum Set-up Charge For Boring Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	490.46	
26 05 19 16-0011		**Wire and Cable** *(26 05 19 16)* Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0012		**Multi-Conductor Cords, Cables And Associated Equipment** *(26 05 19 16-0011)*		
26 05 19 16-0013		**Multi-Conductor Cords** *(26 05 19 16-0012)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014		**Multi-Conductor Type SOOW And SJOOW Cord** *(26 05 19 16-0013)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0015		**300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0014)*		
26 05 19 16-0016		**#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0015)*		
26 05 19 16-0017	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.18	0.54
26 05 19 16-0018	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.22	0.54
26 05 19 16-0019	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.32	0.54
26 05 19 16-0020		**#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0015)*		
26 05 19 16-0021	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.38	0.54
26 05 19 16-0022	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.44	0.54
26 05 19 16-0023	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.52	0.54
26 05 19 16-0024		**#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0015)*		
26 05 19 16-0025	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.49	0.54
26 05 19 16-0026	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.59	0.54
26 05 19 16-0027	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.77	0.54
26 05 19 16-0028		**#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0015)*		
26 05 19 16-0029	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.65	0.54
26 05 19 16-0030	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.76	0.54
26 05 19 16-0031	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.92	0.54
26 05 19 16-0032		**#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0015)*		
26 05 19 16-0033	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.04	0.67
26 05 19 16-0034	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.12	0.67
26 05 19 16-0035	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.24	0.67
26 05 19 16-0036		**600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0014)*		
26 05 19 16-0037		**#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0038	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.22	0.54
26 05 19 16-0039	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.29	0.54
26 05 19 16-0040	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.38	0.54
26 05 19 16-0041	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.20	0.72
26 05 19 16-0042	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.36	0.74
26 05 19 16-0043	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.49	0.76
26 05 19 16-0044	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.70	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0045	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.04	0.82
26 05 19 16-0046	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.41	0.84
26 05 19 16-0047	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.32	0.86
26 05 19 16-0048	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.40	0.88
26 05 19 16-0049	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.52	0.90
26 05 19 16-0050	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.97	0.92
26 05 19 16-0051	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.12	0.94
26 05 19 16-0052	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.40	1.01
26 05 19 16-0053		**#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0054	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.44	0.54
26 05 19 16-0055	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.50	0.54
26 05 19 16-0056	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.61	0.54
26 05 19 16-0057	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.27	0.72
26 05 19 16-0058	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.46	0.74
26 05 19 16-0059	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.65	0.76
26 05 19 16-0060	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.90	0.78
26 05 19 16-0061	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.01	0.80
26 05 19 16-0062	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.29	0.82
26 05 19 16-0063	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.77	0.84
26 05 19 16-0064	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.01	0.86
26 05 19 16-0065	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.46	0.88
26 05 19 16-0066	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.08	0.90
26 05 19 16-0067	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.63	0.92
26 05 19 16-0068	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.69	0.94
26 05 19 16-0069	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.30	0.97
26 05 19 16-0070	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.42	1.01
26 05 19 16-0071		**#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0072	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.60	0.54
26 05 19 16-0073	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.67	0.54
26 05 19 16-0074	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.84	0.54
26 05 19 16-0075	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.80	0.72
26 05 19 16-0076	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.26	0.74
26 05 19 16-0077	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.43	0.76
26 05 19 16-0078	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.81	0.78
26 05 19 16-0079	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.07	0.80
26 05 19 16-0080	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.49	0.82
26 05 19 16-0081	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.90	0.84
26 05 19 16-0082	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.36	0.86
26 05 19 16-0083	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.33	0.88
26 05 19 16-0084	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.06	0.92
26 05 19 16-0085	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.23	0.94
26 05 19 16-0086	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.66	1.01
26 05 19 16-0087		**#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0088	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.77	0.54
26 05 19 16-0089	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.90	0.54
26 05 19 16-0090	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.02	0.54
26 05 19 16-0091	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.13	0.72
26 05 19 16-0092	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.56	0.74
26 05 19 16-0093	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.00	0.76
26 05 19 16-0094	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.48	0.78
26 05 19 16-0095	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.82	0.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0096	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.40	0.82
26 05 19 16-0097	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.09	0.84
26 05 19 16-0098	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.72	0.86
26 05 19 16-0099	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.35	0.88
26 05 19 16-0100	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.67	0.90
26 05 19 16-0101	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.76	0.92
26 05 19 16-0102	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.88	0.94
26 05 19 16-0103	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.00	0.97
26 05 19 16-0104	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.36	0.99
26 05 19 16-0105	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.77	1.01
26 05 19 16-0106		**#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0107	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.01	0.67
26 05 19 16-0108	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.12	0.67
26 05 19 16-0109	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.23	0.67
26 05 19 16-0110	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.78	0.72
26 05 19 16-0111	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.24	0.74
26 05 19 16-0112	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.90	0.76
26 05 19 16-0113	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.21	0.82
26 05 19 16-0114	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.05	0.84
26 05 19 16-0115	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.85	0.88
26 05 19 16-0116	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.63	0.92
26 05 19 16-0117		**#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0118	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.72	0.80
26 05 19 16-0119	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.01	0.94
26 05 19 16-0120	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.24	0.94
26 05 19 16-0121		**#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0122	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.09	0.94
26 05 19 16-0123	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.12	1.07
26 05 19 16-0124	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.35	1.34
26 05 19 16-0125		**#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0126	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.98	1.34
26 05 19 16-0127	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.71	1.47
26 05 19 16-0128	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.40	1.61
26 05 19 16-0129		**#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0130	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.55	2.69
26 05 19 16-0131	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	15.92	3.36
26 05 19 16-0132	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	19.63	4.43
26 05 19 16-0133		**300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0014)*		
26 05 19 16-0134		**#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0133)*		
26 05 19 16-0135	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.53	0.54
26 05 19 16-0136	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.63	0.54
26 05 19 16-0137	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.83	0.54
26 05 19 16-0138		**#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0133)*		
26 05 19 16-0139	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.59	0.54
26 05 19 16-0140	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.76	0.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0141	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.84	0.54
26 05 19 16-0142		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0143	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.01	0.54
26 05 19 16-0144	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.70	0.54
26 05 19 16-0145	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.36	0.67
26 05 19 16-0146		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0147		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0148	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.96	0.54
26 05 19 16-0149	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.25	0.54
26 05 19 16-0150	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.55	0.54
26 05 19 16-0151		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0152	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.06	0.54
26 05 19 16-0153	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.36	0.54
26 05 19 16-0154	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.82	0.54
26 05 19 16-0155	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.06	0.67
26 05 19 16-0156		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0157	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.43	0.54
26 05 19 16-0158	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.81	0.54
26 05 19 16-0159	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.12	0.67
26 05 19 16-0160		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0161	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.78	0.54
26 05 19 16-0162	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.12	0.54
26 05 19 16-0163	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.47	0.67
26 05 19 16-0164		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0165	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.16	0.67
26 05 19 16-0166	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.46	0.67
26 05 19 16-0167	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.79	0.67
26 05 19 16-0168		Multi-Conductor Type SEOW Cord *(26 05 19 16-0013)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0168)*		
26 05 19 16-0170		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0171	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.60	0.54
26 05 19 16-0172	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.72	0.54
26 05 19 16-0173	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.40	0.67
26 05 19 16-0174		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0175	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.95	0.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0176	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.17	0.54
26 05 19 16-0177	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.95	0.67
26 05 19 16-0178		**#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord** *(26 05 19 16-0169)*		
26 05 19 16-0179	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.31	0.54
26 05 19 16-0180	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.60	0.54
26 05 19 16-0181	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.18	0.67
26 05 19 16-0182		**#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord** *(26 05 19 16-0169)*		
26 05 19 16-0183	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.84	0.67
26 05 19 16-0184	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.18	0.67
26 05 19 16-0185	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.40	0.67
26 05 19 16-0186		**Multi-Conductor Type W Cord** *(26 05 19 16-0013)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187		**2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0186)*		
26 05 19 16-0188		**#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0187)*		
26 05 19 16-0189	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.01	0.80
26 05 19 16-0190	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.28	0.94
26 05 19 16-0191	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.97	0.94
26 05 19 16-0192		**#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0187)*		
26 05 19 16-0193	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.32	0.94
26 05 19 16-0194	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.13	1.07
26 05 19 16-0195	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.35	1.34
26 05 19 16-0196		**#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0187)*		
26 05 19 16-0197	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.58	0.94
26 05 19 16-0198	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.59	1.07
26 05 19 16-0199	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.39	1.34
26 05 19 16-0200		**Cord Grips, Cable Reels, Extension Cords, And Accessories** *(26 05 19 16-0012)*		
26 05 19 16-0201		**Cord Grips** *(26 05 19 16-0200)*		
26 05 19 16-0202	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	85.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 19 16-0203	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	85.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 19 16-0204		**Cable Reels** *(26 05 19 16-0200)* Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0205	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	728.55	67.15
26 05 19 16-0206	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	2,005.32	67.15
26 05 19 16-0207	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,500.62	67.15
26 05 19 16-0208		**Extension Cords For Cable Reel** *(26 05 19 16-0200)*		
26 05 19 16-0209	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	215.02	
26 05 19 16-0210	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	305.11	
26 05 19 16-0211		**Plugs And Connector Bodies** *(26 05 19 16-0200)* Note: Up to 277 volt		
26 05 19 16-0212		**NEMA Twist-Lock Plugs** *(26 05 19 16-0211)*		
26 05 19 16-0213	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	88.86	
26 05 19 16-0214	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	90.53	
26 05 19 16-0215	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	83.50	
26 05 19 16-0216	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	88.65	
26 05 19 16-0217	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	112.79	
26 05 19 16-0218	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	119.33	
26 05 19 16-0219	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	125.73	
26 05 19 16-0220	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	113.77	
26 05 19 16-0221	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	129.49	
26 05 19 16-0222	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	132.55	
26 05 19 16-0223	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	136.45	
26 05 19 16-0224		**NEMA Twist-Lock Connector Bodies** *(26 05 19 16-0211)*		
26 05 19 16-0225	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	93.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0226	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	99.50	
26 05 19 16-0227	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	87.05	
26 05 19 16-0228	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	113.77	
26 05 19 16-0229	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	131.02	
26 05 19 16-0230	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	139.37	
26 05 19 16-0231	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	167.48	
26 05 19 16-0232	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	160.38	
26 05 19 16-0233	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	195.59	
26 05 19 16-0234	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	204.91	
26 05 19 16-0235	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	194.75	

26 05 19 16-0236 Watertight Pin And Sleeve Plug *(26 05 19 16-0211)*

26 05 19 16-0237	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	294.23	40.29
26 05 19 16-0238	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	297.33	40.29
26 05 19 16-0239	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	321.39	40.29
26 05 19 16-0240	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	322.21	44.32
26 05 19 16-0241	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	317.54	44.32
26 05 19 16-0242	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	318.93	44.32
26 05 19 16-0243	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	447.98	49.56
26 05 19 16-0244	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	436.36	49.56
26 05 19 16-0245	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	486.29	49.56
26 05 19 16-0246	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	478.18	54.40
26 05 19 16-0247	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	457.99	54.40
26 05 19 16-0248	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	471.88	54.40
26 05 19 16-0249	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	608.49	64.47
26 05 19 16-0250	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	619.56	64.47
26 05 19 16-0251	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	593.31	64.47
26 05 19 16-0252	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	675.56	71.72
26 05 19 16-0253	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	658.33	71.72
26 05 19 16-0254	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	665.78	71.72
26 05 19 16-0255	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	834.48	80.58
26 05 19 16-0256	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	877.24	80.58
26 05 19 16-0257	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	855.98	88.65
26 05 19 16-0258	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	841.37	88.65
26 05 19 16-0259	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	849.26	88.65

26 05 19 16-0260 Watertight Pin And Sleeve Connector *(26 05 19 16-0211)*

26 05 19 16-0261	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	312.05	40.29
26 05 19 16-0262	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	314.20	40.29
26 05 19 16-0263	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	369.61	40.29
26 05 19 16-0264	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	367.11	44.32
26 05 19 16-0265	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	361.48	44.32
26 05 19 16-0266	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	366.57	44.32
26 05 19 16-0267	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	458.63	49.56
26 05 19 16-0268	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	458.51	49.56
26 05 19 16-0269	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	477.63	49.56
26 05 19 16-0270	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	472.99	54.40
26 05 19 16-0271	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	476.93	54.40
26 05 19 16-0272	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	472.77	54.40
26 05 19 16-0273	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	717.70	64.47
26 05 19 16-0274	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	694.30	64.47
26 05 19 16-0275	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	680.35	64.47
26 05 19 16-0276	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	740.56	71.72
26 05 19 16-0277	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	760.91	71.72
26 05 19 16-0278	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	762.40	71.72
26 05 19 16-0279	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	954.28	80.58
26 05 19 16-0280	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	981.12	80.58
26 05 19 16-0281	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	1,060.29	88.65
26 05 19 16-0282	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	1,023.42	88.65
26 05 19 16-0283	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	1,035.99	88.65

26 05 19 16-0284 Accessories *(26 05 19 16-0200)*

26 05 19 16-0285	EA	1/2" Straight Steel Cord Connector	66.28	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 19 16-0286	EA	1/2" Straight Nylon Cord Connector	39.86	10.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 19 16-0287	EA	1/2" 90 Degree Steel Cord Connector	75.94	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 19 16-0288	EA	1/2" 90 Degree Nylon Cord Connector	48.04	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 19 16-0289	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	74.97	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 19 16-0290	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	129.25	20.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 19 16-0291	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	47.28	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 19 16-0292	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	79.53	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0293		EA	3/4" Straight Steel Cord Connector	69.05	13.43
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 19 16-0294		EA	3/4" Straight Nylon Cord Connector	41.24	10.07
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 19 16-0295		EA	3/4" 90 Degree Steel Cord Connector	84.61	16.78
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 19 16-0296		EA	3/4" 90 Degree Nylon Cord Connector	52.37	13.43
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 19 16-0297		EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	84.59	20.15
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 19 16-0298		EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	100.59	23.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 05 19 16-0299		EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	56.92	16.78
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 19 16-0300		EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	68.75	20.15
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 19 16-0301		EA	1" Straight Steel Cord Connector	86.85	13.43
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 19 16-0302		EA	1" Straight Nylon Cord Connector	50.14	10.07
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 19 16-0303		EA	1" 90 Degree Steel Cord Connector	96.37	16.78
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 19 16-0304		EA	1" 90 Degree Nylon Cord Connector	58.25	13.43
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 19 16-0305		EA	1" Straight Steel Cord Connector With Strain Relief Mesh	103.28	20.15
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 19 16-0306		EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	112.93	23.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 05 19 16-0307		EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	66.40	16.78
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 19 16-0308		EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	76.77	20.15
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	

26 05 19 16-0309 600 Volt Wire *(26 05 19 16-0011)*

26 05 19 16-0310 Single Solid Conductor, Copper *(26 05 19 16-0309)*

26 05 19 16-0311		MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	751.99	297.82
26 05 19 16-0312		MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	944.17	350.34
26 05 19 16-0313		MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,172.90	428.38
26 05 19 16-0314		MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	958.24	297.82
26 05 19 16-0315		MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,159.38	350.34
26 05 19 16-0316		MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,392.78	428.38

26 05 19 16-0317 Power Cable, Stranded Conductor, Copper *(26 05 19 16-0309)*

26 05 19 16-0318 Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Single Stranded Conductor, Power Cable *(26 05 19 16-0317)*

26 05 19 16-0319		MLF	#16 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	787.95	245.42
26 05 19 16-0320		MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	929.09	294.51
26 05 19 16-0321		MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,148.07	343.59
26 05 19 16-0322		MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,419.59	392.68
26 05 19 16-0323		MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,899.70	490.85
26 05 19 16-0324		MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,584.57	589.01
26 05 19 16-0325		MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,555.50	736.27
26 05 19 16-0326		MLF	#3 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,215.75	834.44
26 05 19 16-0327		MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,005.35	932.61
26 05 19 16-0328		MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,235.76	1,030.78
26 05 19 16-0329		MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,495.96	1,178.03
26 05 19 16-0330		MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,000.59	1,325.29
26 05 19 16-0331		MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,801.32	1,472.54
26 05 19 16-0332		MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	12,979.28	1,619.80
26 05 19 16-0333		MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,742.56	1,767.05
26 05 19 16-0334		MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,339.67	1,914.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0335	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	17,425.93	2,061.56
26 05 19 16-0336	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	19,515.94	2,208.81
26 05 19 16-0337	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	22,648.07	2,356.07
26 05 19 16-0338	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	26,122.20	2,552.41
26 05 19 16-0339	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	39,961.85	2,846.91
26 05 19 16-0340	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	56,533.15	3,337.76

26 05 19 16-0341 Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Multi Stranded Conductor, Power Cable *(26 05 19 16-0317)*

26 05 19 16-0342	MLF	2 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,858.18	588.89
26 05 19 16-0343	MLF	3 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,296.42	687.31
26 05 19 16-0344	MLF	4 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,857.53	834.44
26 05 19 16-0345	MLF	6 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,426.13	907.70
26 05 19 16-0346	MLF	7 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,742.37	957.03
26 05 19 16-0347	MLF	9 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,373.01	1,055.07
26 05 19 16-0348	MLF	10 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,942.04	1,099.74
26 05 19 16-0349	MLF	12 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,320.36	1,202.58
26 05 19 16-0350	MLF	14 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,890.55	1,276.45
26 05 19 16-0351	MLF	24 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,677.56	1,619.92
26 05 19 16-0352	MLF	37 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,147.41	2,405.15
26 05 19 16-0353	MLF	2 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,296.44	687.31
26 05 19 16-0354	MLF	3 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,953.52	834.44
26 05 19 16-0355	MLF	4 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,610.60	981.69
26 05 19 16-0356	MLF	2 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,083.68	883.16
26 05 19 16-0357	MLF	3 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,011.05	1,078.89
26 05 19 16-0358	MLF	4 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,188.13	1,374.62
26 05 19 16-0359	MLF	6 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,046.56	1,767.67
26 05 19 16-0360	MLF	9 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,586.12	2,258.02
26 05 19 16-0361	MLF	2 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,860.76	1,006.24
26 05 19 16-0362	MLF	3 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,962.83	1,178.03
26 05 19 16-0363	MLF	4 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,433.04	1,497.09
26 05 19 16-0364	MLF	2 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,046.55	1,128.95
26 05 19 16-0365	MLF	3 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,833.37	1,398.91
26 05 19 16-0366	MLF	4 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,761.43	1,725.33
26 05 19 16-0367	MLF	2 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,853.83	1,369.71
26 05 19 16-0368	MLF	3 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,061.18	1,566.67
26 05 19 16-0369	MLF	4 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,746.82	1,955.05
26 05 19 16-0370	MLF	2 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,518.59	1,668.39
26 05 19 16-0371	MLF	3 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	12,685.73	1,865.71
26 05 19 16-0372	MLF	4 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	16,830.90	2,454.23
26 05 19 16-0373	MLF	3 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	16,865.63	2,355.70
26 05 19 16-0374	MLF	4 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	21,994.85	2,943.86
26 05 19 16-0375	MLF	3 Conductors, 1/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	20,034.74	2,552.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0376	MLF	3 Conductors, 2/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	24,421.69	2,943.86
26 05 19 16-0377	MLF	3 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	29,946.02	3,434.46
26 05 19 16-0378	MLF	4 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	39,519.16	4,415.79
26 05 19 16-0379	MLF	3 Conductors, 4/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	36,614.76	3,930.09
26 05 19 16-0380	MLF	3 Conductors, 250 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	39,014.10	4,415.79
26 05 19 16-0381	MLF	3 Conductors, 350 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	49,087.24	4,908.48
26 05 19 16-0382	MLF	3 Conductors, 500 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	63,760.36	5,394.65

26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0309)

Note: Direct bury.

26 05 19 16-0384	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,123.02	
26 05 19 16-0385	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,322.58	
26 05 19 16-0386	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,669.28	
26 05 19 16-0387	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,203.98	
26 05 19 16-0388	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,113.90	
26 05 19 16-0389	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,113.55	
26 05 19 16-0390	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,984.21	
26 05 19 16-0391	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,480.26	
26 05 19 16-0392	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,199.34	
26 05 19 16-0393	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,174.94	
26 05 19 16-0394	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,505.56	
26 05 19 16-0395	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,268.64	
26 05 19 16-0396	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	16,531.09	
26 05 19 16-0397	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,846.30	
26 05 19 16-0398	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,210.63	
26 05 19 16-0399	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,982.93	
26 05 19 16-0400	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	29,660.83	
26 05 19 16-0401	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	35,080.57	
26 05 19 16-0402	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	56,108.31	
26 05 19 16-0403	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	921.28	
26 05 19 16-0404	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,106.62	
26 05 19 16-0405	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,329.10	
26 05 19 16-0406	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,628.27	
26 05 19 16-0407	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,103.54	
26 05 19 16-0408	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,807.60	
26 05 19 16-0409	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,826.68	
26 05 19 16-0410	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,543.65	
26 05 19 16-0411	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,140.76	
26 05 19 16-0412	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,794.48	
26 05 19 16-0413	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,748.42	
26 05 19 16-0414	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,908.51	
26 05 19 16-0415	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,985.98	
26 05 19 16-0416	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,124.25	
26 05 19 16-0417	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,362.50	
26 05 19 16-0418	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,644.24	
26 05 19 16-0419	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,774.40	
26 05 19 16-0420	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,948.54	
26 05 19 16-0421	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	784.35	
26 05 19 16-0422	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	980.63	
26 05 19 16-0423	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,226.06	
26 05 19 16-0424	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,743.37	
26 05 19 16-0425	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,406.29	
26 05 19 16-0426	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,223.44	
26 05 19 16-0427	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,648.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0428	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,571.91	
26 05 19 16-0429	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,485.00	
26 05 19 16-0430	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,387.16	
26 05 19 16-0431	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,833.42	
26 05 19 16-0432	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,580.89	
26 05 19 16-0433	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,478.24	
26 05 19 16-0434	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,458.65	
26 05 19 16-0435	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	16,593.57	
26 05 19 16-0436	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,650.55	
26 05 19 16-0437	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,276.61	
26 05 19 16-0438	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	26,888.77	
26 05 19 16-0439	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	43,143.70	
26 05 19 16-0440	MLF	#2 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,946.46	
26 05 19 16-0441	MLF	1/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,037.40	
26 05 19 16-0442	MLF	2/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,137.37	
26 05 19 16-0443	MLF	3/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,663.39	
26 05 19 16-0444	MLF	4/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,080.64	
26 05 19 16-0445	MLF	250 MCM,Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,165.68	
26 05 19 16-0446	MLF	350 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,934.51	
26 05 19 16-0447	MLF	400 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	23,858.72	
26 05 19 16-0448	MLF	500 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	27,276.01	

26 05 19 16-0449 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0309)*

26 05 19 16-0450 ACTHH, Solid *(26 05 19 16-0449)*

26 05 19 16-0451	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,911.69	805.84
26 05 19 16-0452	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	3,359.71	913.28
26 05 19 16-0453	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,851.99	967.01
26 05 19 16-0454	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,181.42	1,343.07
26 05 19 16-0455	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,473.74	1,503.96
26 05 19 16-0456	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,687.14	1,666.35
26 05 19 16-0457	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,467.44	1,827.25
26 05 19 16-0458	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,067.88	1,503.96
26 05 19 16-0459	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,300.42	1,666.35
26 05 19 16-0460	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,802.13	1,881.10
26 05 19 16-0461	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,875.10	2,041.20
26 05 19 16-0462	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	6,055.38	1,666.35
26 05 19 16-0463	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	6,630.07	1,881.10
26 05 19 16-0464	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	8,465.47	2,095.33
26 05 19 16-0465	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	11,026.14	2,257.30

26 05 19 16-0466 ACTHH, Stranded *(26 05 19 16-0449)*

26 05 19 16-0467	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,737.32	1,935.23
26 05 19 16-0468	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,453.33	2,201.69
26 05 19 16-0469	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	9,144.53	2,148.91
26 05 19 16-0470	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,501.16	2,415.65
26 05 19 16-0471	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,598.27	2,686.14
26 05 19 16-0472	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	16,799.78	2,951.80
26 05 19 16-0473	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	19,270.05	3,220.81
26 05 19 16-0474	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	11,827.67	2,577.89
26 05 19 16-0475	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	14,353.01	2,845.42
26 05 19 16-0476	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	18,530.07	3,116.19
26 05 19 16-0477	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	20,311.26	3,383.06
26 05 19 16-0478	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	24,143.22	3,649.65

26 05 19 16-0479 HCFC, Solid *(26 05 19 16-0449)*

26 05 19 16-0480	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,698.84	1,343.07
26 05 19 16-0481	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,140.21	1,509.07
26 05 19 16-0482	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,748.90	1,658.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0483	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,710.41	1,509.07
26 05 19 16-0484	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,122.01	1,658.15
26 05 19 16-0485	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	8,040.15	1,891.71
26 05 19 16-0486	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	7,039.86	1,658.15
26 05 19 16-0487	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	7,682.21	1,891.71
26 05 19 16-0488	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	10,560.55	2,098.54
26 05 19 16-0489		**MC, Solid Or Stranded, Galvanized Steel Armor** *(26 05 19 16-0449)*		
26 05 19 16-0490	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,337.85	1,343.07
26 05 19 16-0491	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,838.73	1,509.07
26 05 19 16-0492	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,927.88	1,658.15
26 05 19 16-0493	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,830.20	1,771.91
26 05 19 16-0494	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,983.76	1,878.41
26 05 19 16-0495	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,040.36	1,509.07
26 05 19 16-0496	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,718.78	1,658.15
26 05 19 16-0497	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,421.33	1,891.71
26 05 19 16-0498	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,943.60	2,041.20
26 05 19 16-0499	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,761.83	2,201.69
26 05 19 16-0500	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	14,814.00	2,364.60
26 05 19 16-0501	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	21,029.35	2,524.56
26 05 19 16-0502	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,909.59	1,658.15
26 05 19 16-0503	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,775.73	1,891.71
26 05 19 16-0504	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,788.44	2,098.54
26 05 19 16-0505	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,020.78	2,311.69
26 05 19 16-0506	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	18,614.05	2,473.39
26 05 19 16-0507	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	25,022.16	2,633.49
26 05 19 16-0508	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	32,771.35	2,792.24
26 05 19 16-0509		**MC, Solid Or Stranded, Aluminum Armor** *(26 05 19 16-0449)*		
26 05 19 16-0510	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,294.46	1,343.07
26 05 19 16-0511	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,726.22	1,509.07
26 05 19 16-0512	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,828.37	1,658.15
26 05 19 16-0513	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,221.57	1,509.07
26 05 19 16-0514	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,618.82	1,658.15
26 05 19 16-0515	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,342.29	1,891.71
26 05 19 16-0516	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,771.09	1,658.15
26 05 19 16-0517	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,400.12	1,891.71
26 05 19 16-0518	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	10,788.44	2,098.54
26 05 19 16-0519		**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0449)* Note: Color coded red.		
26 05 19 16-0520	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,303.53	1,020.73
26 05 19 16-0521	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,883.93	1,181.90
26 05 19 16-0522	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,071.34	1,343.07
26 05 19 16-0523	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,968.89	1,504.24
26 05 19 16-0524	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,895.48	1,181.90
26 05 19 16-0525	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,794.09	1,343.07
26 05 19 16-0526	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,301.80	1,504.24
26 05 19 16-0527	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,312.78	1,665.41
26 05 19 16-0528		**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0449)* Note: Color coded red.		
26 05 19 16-0529	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,433.88	1,343.07
26 05 19 16-0530	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,770.41	1,504.24
26 05 19 16-0531	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	9,055.26	1,665.41
26 05 19 16-0532	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,513.60	1,826.57
26 05 19 16-0533	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,881.73	1,504.24
26 05 19 16-0534	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,445.10	1,665.41
26 05 19 16-0535		**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0449)* Note: Color coded red.		
26 05 19 16-0536	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,681.59	1,020.73
26 05 19 16-0537	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,520.23	1,504.24
26 05 19 16-0538	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,768.18	1,181.90
26 05 19 16-0539	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,821.16	1,343.07
26 05 19 16-0540	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,514.19	1,665.41
26 05 19 16-0541	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,754.89	1,396.79
26 05 19 16-0542	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,361.20	1,611.68
26 05 19 16-0543		**Armored Cable Connectors** *(26 05 19 16-0449)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0544	EA	3/4" Armored Cable Connector	8.15	2.95
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.21*	
26 05 19 16-0545	EA	1" Armored Cable Connector	10.87	3.93
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.91*	
		For Elevated Installation >40', Add	*5.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 19 16-0546	EA	1-1/4" Armored Cable Connector	13.66	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	

26 05 19 16-0547 600 Volt, Feeder Wire, Single Stranded Copper *(26 05 19 16-0309)*

26 05 19 16-0548	MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,048.94	196.71
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*46.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*109.43*	
26 05 19 16-0549	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,177.72	217.81
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*47.81*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*111.56*	
26 05 19 16-0550	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,447.04	272.29
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*69.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*162.87*	
26 05 19 16-0551	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,992.15	433.17
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*114.75*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*267.76*	
26 05 19 16-0552	MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,758.09	519.80
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*192.83*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*449.94*	
26 05 19 16-0553	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,785.55	603.50
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*291.73*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*680.71*	
26 05 19 16-0554	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,321.24	690.75
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*335.27*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*782.30*	
26 05 19 16-0555	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,490.26	778.00
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*473.81*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,105.56*	
26 05 19 16-0556	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,844.92	866.47
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*640.20*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,493.79*	
26 05 19 16-0557	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,275.50	977.52
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*799.56*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,865.65*	
26 05 19 16-0558	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,013.66	1,084.04
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,005.07*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,345.16*	
26 05 19 16-0559	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,054.37	1,210.19
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,255.95*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,930.56*	
26 05 19 16-0560	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,611.45	1,345.54
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,434.29*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,346.69*	
26 05 19 16-0561	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,480.48	1,475.73
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,509.43*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,522.00*	
26 05 19 16-0562	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,146.33	1,622.25
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,854.09*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,326.20*	
26 05 19 16-0563	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	19,152.79	1,719.81
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,099.83*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,899.61*	
26 05 19 16-0564	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,494.05	1,922.16
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,395.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,590.21*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0565		MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	24,618.91	2,137.77
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,809.31*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,555.06*	
26 05 19 16-0566		MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	28,896.54	2,224.15
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*3,377.33*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*7,880.43*	
26 05 19 16-0567		MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	47,325.29	2,310.41
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*6,031.20*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*14,072.80*	
26 05 19 16-0568		MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	59,776.58	2,468.72
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*7,825.27*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*18,258.96*	
26 05 19 16-0569		MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,870.28	441.51
26 05 19 16-0570		MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,364.76	490.85
26 05 19 16-0571		MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,979.40	589.50
26 05 19 16-0572		MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,536.96	686.94
26 05 19 16-0573		MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,390.80	735.54
26 05 19 16-0574		MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	597.92	245.42
26 05 19 16-0575		MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	745.34	269.97
26 05 19 16-0576		MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	776.22	196.83
26 05 19 16-0577		MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	968.99	234.63
26 05 19 16-0578		MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,208.61	295.12
26 05 19 16-0579		MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,712.94	388.99
26 05 19 16-0580		MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,355.99	469.74
26 05 19 16-0581		MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,145.91	555.14
26 05 19 16-0582		MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,771.01	628.40
26 05 19 16-0583		MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,526.40	703.76
26 05 19 16-0584		MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,417.60	794.19
26 05 19 16-0585		MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,304.74	869.66
26 05 19 16-0586		MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,175.63	961.08
26 05 19 16-0587		MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,564.71	1,016.54
26 05 19 16-0588		MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,246.50	1,143.67
26 05 19 16-0589		MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,071.02	1,216.68
26 05 19 16-0590		MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,974.66	1,377.93
26 05 19 16-0591		MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,025.47	1,524.94
26 05 19 16-0592		MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,002.03	1,566.67
26 05 19 16-0593		MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,472.93	1,657.46
26 05 19 16-0594		MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,766.06	1,950.51
26 05 19 16-0595		MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	41,404.76	2,310.41
26 05 19 16-0596		MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	49,661.98	2,789.48
26 05 19 16-0597		MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,042.65	589.50
26 05 19 16-0598		MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,382.03	686.94
26 05 19 16-0599		MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,918.85	785.97
26 05 19 16-0600		MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,091.12	883.16
26 05 19 16-0601		MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,768.91	981.69
26 05 19 16-0602		MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,355.48	1,078.89
26 05 19 16-0603			**600 Volt, Feeder Wire, Single Stranded Aluminum** *(26 05 19 16-0309)*		
26 05 19 16-0604		MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,329.43	367.60
26 05 19 16-0605		MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,574.53	427.44
26 05 19 16-0606		MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,058.39	548.69
26 05 19 16-0607		MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,537.40	612.71
26 05 19 16-0608		MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,932.70	690.31
26 05 19 16-0609		MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,330.97	761.90
26 05 19 16-0610		MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,921.43	859.85
26 05 19 16-0611		MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,340.40	948.65
26 05 19 16-0612		MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,010.69	1,042.86
26 05 19 16-0613		MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,155.14	1,134.10
26 05 19 16-0614		MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,438.11	1,225.30
26 05 19 16-0615		MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,352.84	1,362.87
26 05 19 16-0616		MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,103.09	1,500.39
26 05 19 16-0617		MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,883.57	1,747.79
26 05 19 16-0618		MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,155.78	1,916.06
26 05 19 16-0619		MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,398.13	1,987.09
26 05 19 16-0620		MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,599.93	2,410.46
26 05 19 16-0621		MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,572.00	435.75
26 05 19 16-0622		MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,767.90	490.85
26 05 19 16-0623		MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,176.18	603.87
26 05 19 16-0624		MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,755.43	740.20
26 05 19 16-0625		MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,503.56	871.38
26 05 19 16-0626		MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,045.44	982.06
26 05 19 16-0627		MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,606.20	1,090.78
26 05 19 16-0628		MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,309.59	1,190.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0629	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,760.36	1,266.51
26 05 19 16-0630	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,554.60	1,355.11
26 05 19 16-0631	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,004.98	1,452.29
26 05 19 16-0632	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,368.61	1,568.87
26 05 19 16-0633	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,475.82	1,710.85
26 05 19 16-0634	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,642.69	1,963.39
26 05 19 16-0635	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,431.10	2,066.22
26 05 19 16-0636	MLF	700 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,833.21	2,178.38
26 05 19 16-0637	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,260.63	2,315.08
26 05 19 16-0638	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	20,725.34	3,244.50
26 05 19 16-0639	MLF	#6 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,589.18	490.85
26 05 19 16-0640	MLF	#4 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,974.71	603.75
26 05 19 16-0641	MLF	#2 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,452.99	741.18
26 05 19 16-0642	MLF	#1 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,024.66	866.47
26 05 19 16-0643	MLF	1/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,416.15	977.52
26 05 19 16-0644	MLF	2/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,848.04	1,084.04
26 05 19 16-0645	MLF	3/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,402.78	1,190.06
26 05 19 16-0646	MLF	4/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,780.09	1,266.51
26 05 19 16-0647	MLF	250 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,351.13	1,354.25
26 05 19 16-0648	MLF	300 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,324.93	1,454.14
26 05 19 16-0649	MLF	350 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,720.51	1,570.96
26 05 19 16-0650	MLF	400 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,412.22	1,706.92
26 05 19 16-0651	MLF	500 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,529.11	1,963.39
26 05 19 16-0652	MLF	600 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,599.88	2,060.70
26 05 19 16-0653	MLF	700 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,556.33	2,178.38
26 05 19 16-0654	MLF	750 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,004.70	2,308.09

26 05 19 16-0655 Non-Metallic Sheathed Cable *(26 05 19 16-0309)*

26 05 19 16-0656 Indoor Installation *(26 05 19 16-0655)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0657	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,724.63	932.49
		For Installation In Wood Stud Wall (Includes Drilling), Add	*349.68*	
26 05 19 16-0658	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,732.91	1,128.95
		For Installation In Wood Stud Wall (Includes Drilling), Add	*423.37*	
26 05 19 16-0659	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,578.46	1,249.21
		For Installation In Wood Stud Wall (Includes Drilling), Add	*468.45*	
26 05 19 16-0660	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,920.96	1,060.23
		For Installation In Wood Stud Wall (Includes Drilling), Add	*377.34*	
26 05 19 16-0661	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,490.17	1,177.78
		For Installation In Wood Stud Wall (Includes Drilling), Add	*441.69*	
26 05 19 16-0662	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,318.74	1,315.47
		For Installation In Wood Stud Wall (Includes Drilling), Add	*493.30*	
26 05 19 16-0663	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,264.78	1,178.40
		For Installation In Wood Stud Wall (Includes Drilling), Add	*441.91*	
26 05 19 16-0664	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,677.82	1,374.62
		For Installation In Wood Stud Wall (Includes Drilling), Add	*515.48*	
26 05 19 16-0665	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,832.83	1,570.72
		For Installation In Wood Stud Wall (Includes Drilling), Add	*589.02*	
26 05 19 16-0666	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	13,113.37	1,411.19
		For Installation In Wood Stud Wall (Includes Drilling), Add	*502.50*	
26 05 19 16-0667	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	16,887.71	1,705.70
		For Installation In Wood Stud Wall (Includes Drilling), Add	*607.42*	
26 05 19 16-0668	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	17,545.11	1,607.53
		For Installation In Wood Stud Wall (Includes Drilling), Add	*570.61*	
26 05 19 16-0669	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	23,717.37	1,938.85
		For Installation In Wood Stud Wall (Includes Drilling), Add	*690.25*	

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26 05 19 16-0670		MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	58,227.92	2,135.18
			For Installation In Wood Stud Wall (Includes Drilling), Add	*759.28*	
26 05 19 16-0671		MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	68,164.07	2,319.25
			For Installation In Wood Stud Wall (Includes Drilling), Add	*828.30*	

26 05 19 16-0672 Direct Burial Cable *(26 05 19 16-0655)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0673		MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,750.63	
26 05 19 16-0674		MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,575.77	
26 05 19 16-0675		MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,482.64	
26 05 19 16-0676		MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,427.75	
26 05 19 16-0677		MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,768.41	
26 05 19 16-0678		MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,352.92	
26 05 19 16-0679		MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,732.65	
26 05 19 16-0680		MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,311.83	
26 05 19 16-0681		MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,200.23	
26 05 19 16-0682		MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	9,423.64	

26 05 19 16-0683 SEU Cable Copper, 3 Conductor *(26 05 19 16-0655)*

26 05 19 16-0684		MLF	12-12-12 Cable SEU Copper	3,697.98	1,182.30
26 05 19 16-0685		MLF	10-10-10 Cable SEU Copper	4,684.63	1,343.07
26 05 19 16-0686		MLF	8-8-8 Cable SEU Copper	5,881.02	1,503.96
26 05 19 16-0687		MLF	6-6-8 Cable SEU Copper	7,166.13	1,612.35
26 05 19 16-0688		MLF	6-6-6 Cable SEU Copper	7,730.13	1,666.35
26 05 19 16-0689		MLF	4-4-6 Cable SEU Copper	9,487.63	1,827.25
26 05 19 16-0690		MLF	4-4-4 Cable SEU Copper	10,250.88	1,881.10
26 05 19 16-0691		MLF	3-3-5 Cable SEU Copper	11,982.93	2,041.20
26 05 19 16-0692		MLF	3-3-3 Cable SEU Copper	12,734.05	2,148.91
26 05 19 16-0693		MLF	2-2-4 Cable SEU Copper	13,615.71	2,257.30
26 05 19 16-0694		MLF	2-2-2 Cable SEU Copper	14,572.81	2,364.60
26 05 19 16-0695		MLF	1-1-1 Cable SEU Copper	17,905.25	2,686.14
26 05 19 16-0696		MLF	1/0-1/0-1/0 Cable SEU Copper	21,368.88	3,011.43
26 05 19 16-0697		MLF	2/0-2/0-2/0 Cable SEU Copper	25,808.81	3,391.66
26 05 19 16-0698		MLF	3/0-3/0-3/0 Cable SEU Copper	31,151.68	3,772.68
26 05 19 16-0699		MLF	4/0-4/0-4/0 Cable SEU Copper	34,815.64	4,210.25

26 05 19 16-0700 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0655)*

26 05 19 16-0701		MLF	8-8-8 Cable SEU Aluminum	4,705.14	1,509.07
26 05 19 16-0702		MLF	6-6-6 Cable SEU Aluminum	5,344.14	1,658.15
26 05 19 16-0703		MLF	4-4-6 Cable SEU Aluminum	5,986.89	1,815.03
26 05 19 16-0704		MLF	4-4-4 Cable SEU Aluminum	6,266.20	1,891.71
26 05 19 16-0705		MLF	2-2-4 Cable SEU Aluminum	7,489.53	2,238.49
26 05 19 16-0706		MLF	2-2-2 Cable SEU Aluminum	7,944.13	2,356.28
26 05 19 16-0707		MLF	1-1-1 Cable SEU Aluminum	9,498.10	2,686.14
26 05 19 16-0708		MLF	1/0-1/0-2 Cable SEU Aluminum	10,049.34	2,827.56
26 05 19 16-0709		MLF	1/0-1/0-1/0 Cable SEU Aluminum	12,075.41	2,984.57
26 05 19 16-0710		MLF	2/0-2/0-1 Cable SEU Aluminum	11,347.95	3,197.85
26 05 19 16-0711		MLF	2/0-2/0-2/0 Cable SEU Aluminum	11,981.70	3,357.67
26 05 19 16-0712		MLF	3/0-3/0-1/0 Cable SEU Aluminum	13,008.85	3,515.88
26 05 19 16-0713		MLF	3/0-3/0-3/0 Cable SEU Aluminum	13,907.91	3,730.77
26 05 19 16-0714		MLF	4/0-4/0-2/0 Cable SEU Aluminum	14,712.47	4,033.24
26 05 19 16-0715		MLF	4/0-4/0-4/0 Cable SEU Aluminum	15,519.20	4,197.09

26 05 19 16-0716 SER Cable Copper, 4 Conductor *(26 05 19 16-0655)*

26 05 19 16-0717		MLF	6-6-6-6 Cable SER Copper	11,566.29	1,935.23
26 05 19 16-0718		MLF	4-4-4-6 Cable SER Copper	12,684.74	2,095.33
26 05 19 16-0719		MLF	3-3-3-5 Cable SER Copper	15,733.73	2,364.60
26 05 19 16-0720		MLF	2-2-2-4 Cable SER Copper	18,020.26	2,577.89
26 05 19 16-0721		MLF	1-1-1-3 Cable SER Copper	21,006.52	2,951.80
26 05 19 16-0722		MLF	1/0-1/0-1/0-2 Cable SER Copper	25,598.05	3,383.06
26 05 19 16-0723		MLF	2/0-2/0-2/0-1 Cable SER Copper	32,108.26	3,649.65
26 05 19 16-0724		MLF	3/0-3/0-3/0-1/0 Cable SER Copper	37,094.91	4,082.26

26 05 19 16-0725 SER Cable Aluminum, 4 Conductor *(26 05 19 16-0655)*

26 05 19 16-0726		MLF	8-8-8-8 Cable SER Aluminum	5,854.69	1,806.30
26 05 19 16-0727		MLF	6-6-6-6 Cable SER Aluminum	6,372.63	1,935.23
26 05 19 16-0728		MLF	4-4-4-6 Cable SER Aluminum	7,111.80	2,095.33
26 05 19 16-0729		MLF	2-2-2-4 Cable SER Aluminum	8,939.99	2,577.89
26 05 19 16-0730		MLF	1-1-1-3 Cable SER Aluminum	10,717.10	2,951.80
26 05 19 16-0731		MLF	1/0-1/0-1/0-2 Cable SER Aluminum	12,122.03	3,383.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0732	MLF	2/0-2/0-2/0-1 Cable SER Aluminum	13,521.96	3,649.65
26 05 19 16-0733	MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	15,372.47	4,082.26
26 05 19 16-0734	MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	17,430.51	4,548.84

26 05 19 16-0735 Control Tray Cable, Low Voltage *(26 05 19 16-0011)*

Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.

26 05 19 16-0736	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,290.35	595.28
		For Work In Restricted Working Space, Add	*297.64*	
26 05 19 16-0737	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,493.23	665.89
		For Work In Restricted Working Space, Add	*332.94*	
26 05 19 16-0738	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,571.34	665.84
		For Work In Restricted Working Space, Add	*332.94*	
26 05 19 16-0739	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,967.05	835.16
		For Work In Restricted Working Space, Add	*417.58*	
26 05 19 16-0740	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	2,484.32	1,017.71
		For Work In Restricted Working Space, Add	*508.85*	
26 05 19 16-0741	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,845.08	1,119.13
		For Work In Restricted Working Space, Add	*559.57*	
26 05 19 16-0742	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	3,397.42	1,271.61
		For Work In Restricted Working Space, Add	*635.81*	
26 05 19 16-0743	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	4,308.75	1,554.27
		For Work In Restricted Working Space, Add	*777.14*	
26 05 19 16-0744	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	4,941.98	1,695.63
		For Work In Restricted Working Space, Add	*847.82*	
26 05 19 16-0745	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	5,910.78	1,748.64
		For Work In Restricted Working Space, Add	*874.32*	
26 05 19 16-0746	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	7,240.76	2,184.51
		For Work In Restricted Working Space, Add	*1,092.26*	
26 05 19 16-0747	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	8,699.89	2,553.02
		For Work In Restricted Working Space, Add	*1,276.51*	
26 05 19 16-0748	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,417.05	627.06
		For Work In Restricted Working Space, Add	*313.28*	
26 05 19 16-0749	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,647.50	700.93
		For Work In Restricted Working Space, Add	*350.47*	
26 05 19 16-0750	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,921.83	806.95
		For Work In Restricted Working Space, Add	*403.48*	
26 05 19 16-0751	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	2,184.10	879.11
		For Work In Restricted Working Space, Add	*439.55*	
26 05 19 16-0752	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,770.64	1,071.28
		For Work In Restricted Working Space, Add	*535.64*	
26 05 19 16-0753	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	3,188.21	1,178.03
		For Work In Restricted Working Space, Add	*589.02*	
26 05 19 16-0754	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	3,828.49	1,338.54
		For Work In Restricted Working Space, Add	*669.27*	
26 05 19 16-0755	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	4,874.53	1,636.00
		For Work In Restricted Working Space, Add	*818.00*	
26 05 19 16-0756	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	5,619.44	1,784.72
		For Work In Restricted Working Space, Add	*892.36*	
26 05 19 16-0757	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	6,813.25	1,840.67
		For Work In Restricted Working Space, Add	*920.34*	
26 05 19 16-0758	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	8,332.17	2,299.38
		For Work In Restricted Working Space, Add	*1,149.69*	
26 05 19 16-0759	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	10,035.04	2,687.39
		For Work In Restricted Working Space, Add	*1,343.69*	
26 05 19 16-0760	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,543.55	654.54
		For Work In Restricted Working Space, Add	*327.27*	
26 05 19 16-0761	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,857.28	736.27
		For Work In Restricted Working Space, Add	*368.14*	
26 05 19 16-0762	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	2,183.64	841.56
		For Work In Restricted Working Space, Add	*420.78*	
26 05 19 16-0763	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	2,469.14	906.35
		For Work In Restricted Working Space, Add	*453.18*	
26 05 19 16-0764	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	3,316.18	1,111.03
		For Work In Restricted Working Space, Add	*555.52*	
26 05 19 16-0765	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	3,838.46	1,227.12
		For Work In Restricted Working Space, Add	*613.68*	
26 05 19 16-0766	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	4,749.83	1,369.46
		For Work In Restricted Working Space, Add	*684.73*	
26 05 19 16-0767	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	5,673.33	1,635.74
		For Work In Restricted Working Space, Add	*818.00*	
26 05 19 16-0768	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	9,841.57	1,900.80
		For Work In Restricted Working Space, Add	*950.16*	
26 05 19 16-0769	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	8,568.44	2,222.31
		For Work In Restricted Working Space, Add	*1,111.40*	
26 05 19 16-0770	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	9,988.91	2,483.44
		For Work In Restricted Working Space, Add	*1,241.72*	
26 05 19 16-0771	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	12,060.18	2,902.38
		For Work In Restricted Working Space, Add	*1,451.19*	
26 05 19 16-0772	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,816.13	700.93
		For Work In Restricted Working Space, Add	*350.47*	
26 05 19 16-0773	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	2,188.59	775.54
		For Work In Restricted Working Space, Add	*387.65*	

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0774	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,676.58	892.36
		For Work In Restricted Working Space, Add	*446.18*	
26 05 19 16-0775	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	3,047.44	949.79
		For Work In Restricted Working Space, Add	*474.89*	
26 05 19 16-0776	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	4,052.93	1,132.39
		For Work In Restricted Working Space, Add	*566.19*	
26 05 19 16-0777	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	5,017.81	1,338.54
		For Work In Restricted Working Space, Add	*669.27*	
26 05 19 16-0778	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	6,138.02	1,510.10
		For Work In Restricted Working Space, Add	*755.05*	
26 05 19 16-0779	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	7,325.16	1,732.45
		For Work In Restricted Working Space, Add	*866.22*	
26 05 19 16-0780	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	8,686.78	1,963.64
		For Work In Restricted Working Space, Add	*981.82*	
26 05 19 16-0781	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	11,191.59	2,294.96
		For Work In Restricted Working Space, Add	*1,147.48*	
26 05 19 16-0782	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	12,952.66	2,682.24
		For Work In Restricted Working Space, Add	*1,341.12*	
26 05 19 16-0783	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	15,698.25	3,135.05
		For Work In Restricted Working Space, Add	*1,567.52*	
26 05 19 16-0784	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	2,194.55	736.27
		For Work In Restricted Working Space, Add	*368.14*	
26 05 19 16-0785	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	2,773.88	807.44
		For Work In Restricted Working Space, Add	*403.48*	
26 05 19 16-0786	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	3,397.76	920.34
		For Work In Restricted Working Space, Add	*460.17*	
26 05 19 16-0787	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	3,971.60	998.38
		For Work In Restricted Working Space, Add	*499.19*	
26 05 19 16-0788	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	5,407.99	1,253.14
		For Work In Restricted Working Space, Add	*626.57*	
26 05 19 16-0789	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	6,438.14	1,402.60
		For Work In Restricted Working Space, Add	*701.30*	
26 05 19 16-0790	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	7,501.68	1,636.00
		For Work In Restricted Working Space, Add	*818.00*	
26 05 19 16-0791	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	8,887.19	1,870.86
		For Work In Restricted Working Space, Add	*935.43*	
26 05 19 16-0792	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	10,572.37	2,120.46
		For Work In Restricted Working Space, Add	*1,060.23*	
26 05 19 16-0793	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	13,707.14	2,478.29
		For Work In Restricted Working Space, Add	*1,239.14*	
26 05 19 16-0794	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	15,854.43	2,896.49
		For Work In Restricted Working Space, Add	*1,448.24*	
26 05 19 16-0795	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	19,258.64	3,386.11
		For Work In Restricted Working Space, Add	*1,693.05*	

26 05 19 16-0796 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0797 ACSR Cable *(26 05 19 16-0796)*

26 05 19 16-0798	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,952.31	603.77
26 05 19 16-0799	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,088.32	626.93
26 05 19 16-0800	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,281.73	651.06
26 05 19 16-0801	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,418.10	674.64
26 05 19 16-0802	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,746.49	697.52
26 05 19 16-0803	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,221.57	790.70
26 05 19 16-0804	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,758.12	881.80
26 05 19 16-0805	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,361.50	974.16
26 05 19 16-0806	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	5,000.77	1,251.90
26 05 19 16-0807	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,676.51	1,436.05

26 05 19 16-0808 All Aluminum Conductors *(26 05 19 16-0796)*

26 05 19 16-0809	MLF	795.0 ACSR Conductor Aluminum	38,662.97	11,769.60

26 05 19 16-0810 Single Conductor Installed On Poles *(26 05 19 16-0011)*

26 05 19 16-0811 Bare Stranded Conductor *(26 05 19 16-0810)*

26 05 19 16-0812	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,538.93	511.56
26 05 19 16-0813	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,813.21	557.59
26 05 19 16-0814	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,088.98	604.19
26 05 19 16-0815	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,580.81	651.06
26 05 19 16-0816	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,160.61	698.08
26 05 19 16-0817	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,566.04	837.30
26 05 19 16-0818	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,254.87	930.07
26 05 19 16-0819	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,006.38	1,021.16
26 05 19 16-0820	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,093.58	1,211.17
26 05 19 16-0821	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	9,840.18	1,392.52
26 05 19 16-0822	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,541.52	1,578.20
26 05 19 16-0823	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	13,376.82	1,860.00
26 05 19 16-0824	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	13,670.22	1,957.93
26 05 19 16-0825	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	17,162.78	2,050.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0826	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	18,998.33	2,134.54
26 05 19 16-0827	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	22,211.86	2,225.64
26 05 19 16-0828		**Insulated Stranded Conductor** *(26 05 19 16-0810)*		
26 05 19 16-0829	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,673.92	511.56
26 05 19 16-0830	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,987.39	557.59
26 05 19 16-0831	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,432.83	604.19
26 05 19 16-0832	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,645.89	651.06
26 05 19 16-0833	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,259.91	698.08
26 05 19 16-0834	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,422.63	837.30
26 05 19 16-0835	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,240.56	930.07
26 05 19 16-0836	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,206.06	1,021.16
26 05 19 16-0837	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,480.41	1,211.17
26 05 19 16-0838	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,985.49	1,392.52
26 05 19 16-0839	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	10,608.20	1,578.20
26 05 19 16-0840	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	12,968.86	1,860.00
26 05 19 16-0841	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	14,750.07	1,957.93
26 05 19 16-0842	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	16,199.51	2,050.42
26 05 19 16-0843	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	18,199.65	2,134.54
26 05 19 16-0844	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	20,513.09	2,225.64
26 05 19 16-0845		**Bare Solid Conductor** *(26 05 19 16-0810)*		
26 05 19 16-0846	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,538.93	511.56
26 05 19 16-0847	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,088.98	604.19
26 05 19 16-0848	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,580.81	651.06
26 05 19 16-0849	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	3,119.58	698.08

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	496.38	156.46
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	558.08	164.80
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	602.09	174.25
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	703.43	181.62
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	735.65	190.21
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	804.03	198.11
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	864.25	206.03
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	932.40	214.25
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	996.94	220.69
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	530.62	156.46
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	619.16	164.80
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	698.99	174.25
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	743.43	181.62
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	816.01	190.21
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	840.93	198.11
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	920.55	206.03
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	1,067.50	214.25
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,163.58	220.69

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	705.73	248.83
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	949.36	248.83
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	1,193.99	299.74
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,675.77	299.74
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	2,279.30	361.94
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	3,637.33	361.94
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	4,223.44	435.47
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	4,958.83	435.47
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	6,996.67	548.58
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	8,649.71	548.58
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	9,145.87	729.55
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	11,796.77	729.55
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	11,814.14	842.66
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	16,004.10	842.66
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	21,900.20	1,040.60

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0020		MLF	12 AWG Copper Insulated Single Stranded Conductor	1,382.44	339.33
26 05 26 00-0021		MLF	10 AWG Copper Insulated Single Stranded Conductor	1,455.00	339.33
26 05 26 00-0022		MLF	8 AWG Copper Insulated Single Stranded Conductor	1,882.14	339.33
26 05 26 00-0023		MLF	6 AWG Copper Insulated Single Stranded Conductor	2,119.51	588.16
26 05 26 00-0024		MLF	4 AWG Copper Insulated Single Stranded Conductor	2,899.55	588.16
26 05 26 00-0025		MLF	2 AWG Copper Insulated Single Stranded Conductor	4,139.67	588.16
26 05 26 00-0026		MLF	1 AWG Copper Insulated Single Stranded Conductor	5,027.53	1,029.29
26 05 26 00-0027		MLF	1/0 AWG Copper Insulated Single Stranded Conductor	6,157.83	1,029.29
26 05 26 00-0028		MLF	2/0 AWG Copper Insulated Single Stranded Conductor	7,254.63	1,029.29
26 05 26 00-0029		MLF	3/0 AWG Copper Insulated Single Stranded Conductor	8,686.33	1,029.29
26 05 26 00-0030		MLF	4/0 AWG Copper Insulated Single Stranded Conductor	10,283.70	1,346.00
26 05 26 00-0031		MLF	250 MCM Copper Insulated Single Stranded Conductor	12,492.68	1,346.00
26 05 26 00-0032		MLF	300 MCM Copper Insulated Single Stranded Conductor	14,592.32	1,346.00
26 05 26 00-0033		MLF	350 MCM Copper Insulated Single Stranded Conductor	16,989.59	2,092.51
26 05 26 00-0034		MLF	500 MCM Copper Insulated Single Stranded Conductor	22,299.27	2,092.51
26 05 26 00-0035			**Copper Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0036		MLF	12 AWG Copper Bare Single Solid Conductor	705.73	248.83
26 05 26 00-0037		MLF	10 AWG Copper Bare Single Solid Conductor	949.36	248.83
26 05 26 00-0038		MLF	8 AWG Copper Bare Single Solid Conductor	1,193.99	299.74
26 05 26 00-0039		MLF	6 AWG Copper Bare Single Solid Conductor	1,675.77	299.74
26 05 26 00-0040		MLF	4 AWG Copper Bare Single Solid Conductor	2,279.30	361.94
26 05 26 00-0041		MLF	2 AWG Copper Bare Single Solid Conductor	3,637.33	361.94
26 05 26 00-0042		MLF	1/0 AWG Copper Bare Single Solid Conductor	4,958.83	435.47
26 05 26 00-0043		MLF	2/0 AWG Copper Bare Single Solid Conductor	6,314.46	548.58
26 05 26 00-0044		MLF	3/0 AWG Copper Bare Single Solid Conductor	7,669.81	548.58
26 05 26 00-0045		MLF	4/0 AWG Copper Bare Single Solid Conductor	9,145.87	576.86
26 05 26 00-0046			**Aluminum Bare Single Stranded Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0047		MLF	8 AWG Aluminum Bare Single Stranded Conductor	885.16	299.74
26 05 26 00-0048		MLF	6 AWG Aluminum Bare Single Stranded Conductor	989.32	299.74
26 05 26 00-0049		MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,151.93	361.94
26 05 26 00-0050		MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,489.86	361.94
26 05 26 00-0051		MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,771.59	435.47
26 05 26 00-0052		MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	2,030.04	435.47
26 05 26 00-0053		MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,331.99	548.58
26 05 26 00-0054		MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,714.17	548.58
26 05 26 00-0055		MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	3,218.19	729.55
26 05 26 00-0056		MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,647.11	729.55
26 05 26 00-0057		MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,459.63	842.66
26 05 26 00-0058		MLF	350 MCM Aluminum Bare Single Stranded Conductor	5,141.87	842.66
26 05 26 00-0059		MLF	500 MCM Aluminum Bare Single Stranded Conductor	6,023.47	1,040.60
26 05 26 00-0060			**Aluminum Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0061		MLF	8 AWG Aluminum Bare Single Solid Conductor	885.16	299.74
26 05 26 00-0062		MLF	6 AWG Aluminum Bare Single Solid Conductor	989.32	299.74
26 05 26 00-0063		MLF	4 AWG Aluminum Bare Single Solid Conductor	1,151.93	361.94
26 05 26 00-0064		MLF	2 AWG Aluminum Bare Single Solid Conductor	1,489.86	361.94
26 05 26 00-0065		MLF	1 AWG Aluminum Bare Single Solid Conductor	1,725.95	576.86
26 05 26 00-0066		MLF	1/0 AWG Aluminum Bare Single Solid Conductor	2,030.04	576.86
26 05 26 00-0067		MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,218.91	548.58
26 05 26 00-0068		MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,486.48	548.58
26 05 26 00-0069		MLF	4/0 AWG Aluminum Bare Single Solid Conductor	3,218.19	729.55
26 05 26 00-0070		MLF	250 MCM Aluminum Bare Single Solid Conductor	3,647.11	729.55
26 05 26 00-0071		MLF	300 MCM Aluminum Bare Single Solid Conductor	4,459.63	842.66
26 05 26 00-0072		MLF	350 MCM Aluminum Bare Single Solid Conductor	5,141.87	842.66
26 05 26 00-0073		MLF	500 MCM Aluminum Bare Single Solid Conductor	6,023.47	1,040.60
26 05 26 00-0074			**Aluminum Smooth Woven Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0075		LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.16	0.92
26 05 26 00-0076		LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.50	1.02
26 05 26 00-0077		LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.15	1.17
26 05 26 00-0078		LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.18	1.19
26 05 26 00-0079		LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.39	1.25
26 05 26 00-0080			**Copper Flexible Braid Connector Jumper Strap** *(26 05 26 00-0001)* Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0081		EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	161.78	33.58
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 05 26 00-0082		EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	281.67	40.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 05 26 00-0083		EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	362.18	40.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 05 26 00-0084		EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	441.59	40.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	379.77	43.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.22*	
26 05 26 00-0086	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	495.59	43.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.22*	
26 05 26 00-0087	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	596.23	43.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.22*	
26 05 26 00-0088	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	495.78	55.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.24*	
26 05 26 00-0089	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	596.14	67.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 05 26 00-0090		**Bonding Jumper For Metallic Conduit** *(26 05 26 00-0001)*		
26 05 26 00-0091	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	212.11	73.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.97*	
26 05 26 00-0092	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	261.34	73.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.65*	
26 05 26 00-0093	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	386.60	114.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.05*	
26 05 26 00-0094	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	575.45	114.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.62*	
26 05 26 00-0095		**Ground Rods** *(26 05 26)*		
26 05 26 00-0096		**Copper-Clad Ground Rods** *(26 05 26 00-0095)*		
26 05 26 00-0097	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	110.41	100.73
26 05 26 00-0098	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	114.54	100.73
26 05 26 00-0099	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	131.21	100.73
26 05 26 00-0100	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	129.63	100.73
26 05 26 00-0101	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	134.80	100.73
26 05 26 00-0102	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	155.63	100.73
26 05 26 00-0103		**Copper Grounding Shaft** *(26 05 26 00-0095)*		
26 05 26 00-0104	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	375.82	100.73
26 05 26 00-0105	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	467.08	100.73
26 05 26 00-0106	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	722.03	100.73
26 05 26 00-0107		**Ground Access Wells** *(26 05 26 00-0095)*		
26 05 26 00-0108		**Precast Ground Access Wells** *(26 05 26 00-0107)*		
26 05 26 00-0109	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	298.53	
26 05 26 00-0110	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	309.62	
26 05 26 00-0111	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	895.72	
26 05 26 00-0112	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	906.82	
26 05 26 00-0113		**Polyvinyl Chloride (PVC) Ground Access Well** *(26 05 26 00-0107)*		
26 05 26 00-0114	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	584.05	
26 05 26 00-0115	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	711.04	
26 05 26 00-0116	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,562.06	
26 05 26 00-0117	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	443.26	
26 05 26 00-0118	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	535.94	
26 05 26 00-0119	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,397.62	
26 05 26 00-0120	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	255.52	
26 05 26 00-0121	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	350.98	
26 05 26 00-0122	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	417.64	
26 05 26 00-0123	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	208.20	
26 05 26 00-0124	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	323.77	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	483.94	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	666.95	
26 05 26 00-0127	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	463.83	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	498.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0129	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	891.64	
26 05 26 00-0130	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,125.97	
26 05 26 00-0131	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	496.50	
26 05 26 00-0132	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	676.73	
26 05 26 00-0133	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	668.86	
26 05 26 00-0134		**Polymer Concrete Ground Access Well** *(26 05 26 00-0107)*		
26 05 26 00-0135	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	565.28	
26 05 26 00-0136	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	620.06	
26 05 26 00-0137	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	622.84	
26 05 26 00-0138	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	683.11	
26 05 26 00-0139	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	682.61	
26 05 26 00-0140	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	748.89	
26 05 26 00-0141	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	910.51	
26 05 26 00-0142	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	1,000.89	
26 05 26 00-0143		**High-Density Polyethylene (HDPE) Ground Access Well** *(26 05 26 00-0107)*		
26 05 26 00-0144	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	206.34	
26 05 26 00-0145	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	287.52	
26 05 26 00-0146		**Clay Tile Ground Access Wells** *(26 05 26 00-0107)*		
26 05 26 00-0147	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	326.03	
26 05 26 00-0148	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	342.79	
26 05 26 00-0149	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	103.86	
26 05 26 00-0150		**Ground Rod Clamps And Fittings** *(26 05 26)*		
26 05 26 00-0151		**Bronze Ground Rod Clamp** *(26 05 26 00-0150)*		
26 05 26 00-0152	EA	1/2" Bronze Ground Rod Clamp	25.99	15.18
26 05 26 00-0153	EA	5/8" Bronze Ground Rod Clamp	27.03	15.18
26 05 26 00-0154	EA	3/4" Bronze Ground Rod Clamp	28.52	15.18
26 05 26 00-0155		**Bronze Pipe Clamps** *(26 05 26 00-0150)*		
26 05 26 00-0156	EA	1/2" To 1" Diameter, Bronze Pipe Ground Clamps	35.38	25.25
26 05 26 00-0157	EA	1-1/4" To 2" Diameter, Bronze Ground Clamps For Pipe	44.29	30.22
26 05 26 00-0158	EA	2-1/2" To 3" Diameter, Bronze Ground Clamps For Pipe	62.02	35.32
26 05 26 00-0159	EA	2-1/2" To 4" Diameter, Bronze Ground Clamps For Pipe	76.74	45.39
26 05 26 00-0160	EA	4" To 6" Diameter, Bronze Ground Clamps For Pipe	115.91	65.54
26 05 26 00-0161		**Grounding Fittings** *(26 05 26 00-0150)*		
26 05 26 00-0162		**Embedded Fittings** *(26 05 26 00-0161)*		
26 05 26 00-0163	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	174.80	
26 05 26 00-0164	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	184.23	
26 05 26 00-0165	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	200.97	
26 05 26 00-0166	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	176.09	
26 05 26 00-0167	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	211.02	
26 05 26 00-0168	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	247.33	
26 05 26 00-0169	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	278.29	
26 05 26 00-0170		**Ground Rod Receptacle** *(26 05 26 00-0161)*		
26 05 26 00-0171	EA	1/2" Ground Rod Receptacle	375.58	139.68
26 05 26 00-0172	EA	5/8" Ground Rod Receptacle	391.69	143.62
26 05 26 00-0173	EA	3/4" Ground Rod Receptacle	408.23	147.52
26 05 26 00-0174		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0161)*		
26 05 26 00-0175	EA	14-8 AWG Copper Ground Kit	84.92	33.58
26 05 26 00-0176	EA	12-8 AWG Aluminum Ground Kit	75.79	33.58
26 05 26 00-0177	EA	14-4 AWG Copper Ground Kit	92.85	33.58
26 05 26 00-0178	EA	12-4 AWG Aluminum Ground Kit	81.84	33.58
26 05 26 00-0179		**Insulated Grounding Bars** *(26 05 26 00-0150)*		
26 05 26 00-0180	EA	1/2" x 4" x 10" Insulated Ground Bar	340.99	33.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0181	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	356.31	33.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.44*	
26 05 26 00-0182		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0183		**Ground Conductor Bonding** *(26 05 26 00-0182)*		
26 05 26 00-0184		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0185	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	154.78	
26 05 26 00-0186	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	168.21	
26 05 26 00-0187	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	181.64	
26 05 26 00-0188	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	262.22	
26 05 26 00-0189		**Tee, Wye Or Cross Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0190	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	174.93	
26 05 26 00-0191	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	201.78	
26 05 26 00-0192	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	248.79	
26 05 26 00-0193	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	302.51	
26 05 26 00-0194		**Grounding Equipment** *(26 05 26)*		
26 05 26 00-0195		**Special Grounding Equipment** *(26 05 26 00-0194)*		
26 05 26 00-0196		**Ground Reels And Ground Bus** *(26 05 26 00-0195)*		
26 05 26 00-0197	EA	Ground Reel With 50' Of Galvanized Steel Cable	748.32	
26 05 26 00-0198		**Copper Bars** *(26 05 26 00-0195)*		
26 05 26 00-0199	LF	1/4" x 2" Copper Bar	44.07	
26 05 26 00-0200		**Phenolic Insulators** *(26 05 26 00-0195)*		
26 05 26 00-0201	EA	2" x 2" x 1" Long Phenolic Insulators	33.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 26 00-0202		**Grounding Studs** *(26 05 26 00-0195)*		
26 05 26 00-0203	EA	Ball Grounding Stud	49.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.03*	
26 05 26 00-0204		**Equipment Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0205	EA	Switch Rating 30 Ground Bar Kit	37.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 26 00-0206	EA	Switch Rating 60 Ground Bar Kit	47.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 05 26 00-0207	EA	Switch Rating 100 Ground Bar Kit	54.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 26 00-0208	EA	Switch Rating 200 Ground Bar Kit	91.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 26 00-0209		**Panelboard Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0210	EA	Panelboard Ground Bar Kit	128.72	10.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 26 00-0211		**Circuit Breaker Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0212	EA	3 Circuit, Ground Bar Kit	30.81	6.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 26 00-0213	EA	4 Circuit, Ground Bar Kit	30.32	6.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 26 00-0214	EA	7 Circuit, Ground Bar Kit	31.14	6.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 26 00-0215	EA	12 Circuit, Ground Bar Kit	35.31	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.85*	
26 05 26 00-0216	EA	20 Circuit, Ground Bar Kit	40.12	7.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.66*	
26 05 26 00-0217	EA	24 Circuit, Ground Bar Kit	44.29	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0218	EA	30 Circuit, Ground Bar Kit	49.62	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.67*	
26 05 26 00-0219	EA	54 Circuit, Ground Bar Kit	57.46	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.28*	
26 05 26 00-0220	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	60.85	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 26 00-0221	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	67.50	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.67*	
26 05 26 00-0222	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	75.50	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.28*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*

Note: Excludes fasteners and accessories.

26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	21.75	7.37
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	31.22	9.81
		For Galvanizing, Add	*1.97*	
		For Powder Coating, Add	*1.74*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	40.68	11.66
		For Galvanizing, Add	*2.95*	
		For Powder Coating, Add	*2.61*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	50.16	13.50
		For Galvanizing, Add	*3.94*	
		For Powder Coating, Add	*3.48*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.32	2.77
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	23.53	7.37
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	34.78	9.81
		For Galvanizing, Add	*2.57*	
		For Powder Coating, Add	*2.27*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	46.01	11.66
		For Galvanizing, Add	*3.86*	
		For Powder Coating, Add	*3.41*	
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	57.26	13.50
		For Galvanizing, Add	*5.15*	
		For Powder Coating, Add	*4.54*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	13.10	2.77
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	25.37	7.37
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	38.46	9.81
		For Galvanizing, Add	*3.20*	
		For Powder Coating, Add	*2.82*	
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	51.55	11.66
		For Galvanizing, Add	*4.80*	
		For Powder Coating, Add	*4.24*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	64.64	13.50
		For Galvanizing, Add	*6.40*	
		For Powder Coating, Add	*5.65*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.94	2.77
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	24.75	7.37
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	37.21	9.81
		For Galvanizing, Add	*2.99*	
		For Powder Coating, Add	*2.64*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	49.67	11.66
		For Galvanizing, Add	*4.48*	
		For Powder Coating, Add	*3.95*	
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	62.14	13.50
		For Galvanizing, Add	*5.98*	
		For Powder Coating, Add	*5.27*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	14.32	2.77
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	24.34	7.37
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	36.40	9.81
		For Galvanizing, Add	*2.85*	
		For Powder Coating, Add	*2.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	48.46	11.66
		For Galvanizing, Add	*4.28*	
		For Powder Coating, Add	*3.77*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	60.52	13.50
		For Galvanizing, Add	*5.70*	
		For Powder Coating, Add	*5.03*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.91	2.77
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	

26 05 29 00-0029 Stainless Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0030 304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	33.46	7.37
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	54.63	9.81
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	75.80	11.66
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	96.97	13.50
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	23.03	2.78
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	36.67	7.37
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	61.06	9.81
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	85.44	11.66
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	109.82	13.50
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	26.24	2.78
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	37.73	7.37
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	63.18	9.81
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	88.63	11.66
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	114.08	13.50
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	27.30	2.77
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	43.27	7.37
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	74.26	9.81
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	105.25	11.66
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	136.24	13.50
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	32.84	2.77

26 05 29 00-0051 316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	47.32	7.37
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	82.37	9.81
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	117.40	11.66
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	152.45	13.50
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	36.89	2.78

26 05 29 00-0057 Aluminum Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	20.94	7.37
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	29.61	9.81
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	38.26	11.66
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	46.93	13.50
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.51	2.77
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	24.20	7.37
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	36.12	9.81
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	48.04	11.66
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	59.96	13.50
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.77	2.77

26 05 29 00-0068 Metal Framing Channel Fittings *(26 05 29 00-0001)*

26 05 29 00-0069 Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)*

26 05 29 00-0070 Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*

26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	7.78	0.67
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	5.89	1.69

26 05 29 00-0073 Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*

26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	11.65	1.69

26 05 29 00-0075 Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)*

26 05 29 00-0076 Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*

26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.66	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.61	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	9.28	

26 05 29 00-0080 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*

26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	16.07	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	23.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	29.98	
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.41	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.20	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.74	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.59	
26 05 29 00-0090		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.46	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	11.68	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.00	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	13.94	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	12.79	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	23.08	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.42	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	19.18	
26 05 29 00-0099		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0100		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	15.39	
26 05 29 00-0102		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0103		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.40	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	6.03	
26 05 29 00-0106		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	19.05	
26 05 29 00-0108		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0109		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.80	
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	36.46	
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex screw and nut.		
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.82	2.02
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.85	2.02
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.99	2.02
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.53	2.69
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.26	2.69
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.34	2.69
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.20	3.36
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.84	3.36
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.47	3.36
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.69	3.36
26 05 29 00-0125		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.07	2.02
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.91	2.02
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.75	2.02
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.21	2.69
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.54	2.69
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.16	2.69
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.25	3.36
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.33	3.36
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.22	3.36
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	24.51	3.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0136		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.59	2.02
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.77	2.02
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.11	2.02
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.37	2.69
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.46	2.69
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.66	2.69
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.82	3.36
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.88	3.36
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	28.40	3.36
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	33.00	3.36
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	43.33	12.27
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	28.87	12.27
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	41.87	12.27
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	49.45	12.27
26 05 29 00-0154		Square Washers For Unistrut Channel *(26 05 29 00-0068)*		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.40	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	4.91	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	6.05	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	43.49	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	54.00	
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		
26 05 29 00-0165		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	9.21	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	10.09	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	10.76	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	14.33	
26 05 29 00-0170		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.85	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.72	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.29	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	32.94	
26 05 29 00-0175		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		
26 05 29 00-0176		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)*		
		Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	9.24	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	10.22	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	10.81	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	15.36	
26 05 29 00-0181		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)*		
		Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.29	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.42	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	32.13	
26 05 29 00-0186		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0187		Galvanized Steel Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0188		Galvanized Steel Back Plate *(26 05 29 00-0187)*		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	579.93	80.58
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	142.72	26.86
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	361.42	67.15
26 05 29 00-0192		Aluminum Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0193		Aluminum Back Plate *(26 05 29 00-0192)*		
26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate	476.09	100.73
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate	1,348.47	100.73
26 05 29 00-0196		Supports *(26 05 29)*		
26 05 29 00-0197		One Hole Steel Conduit Straps *(26 05 29 00-0196)*		
26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap	4.91	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.35*	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap	4.98	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap	5.31	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap	5.55	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap	5.72	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.43*	
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap	6.72	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.53*	
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap	7.75	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.64*	
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	8.09	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	9.78	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.84*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	11.13	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-1.97*	

26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	5.07	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	5.24	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	5.52	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	6.23	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	6.51	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.51*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	8.29	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.69*	
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	12.11	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.07*	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	15.30	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.39*	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	19.96	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.86*	
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	38.62	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	48.66	
		For Work In Restricted Working Space, Add	*1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-4.19*	
		For >500, Deduct	*-5.73*	

26 05 29 00-0220 Two Hole Steel Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	5.66	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.53*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	5.77	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.55*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	5.83	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.55*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	5.91	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.56*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	5.97	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.57*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	6.10	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.58*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	6.87	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	7.04	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.67*	
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	7.64	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.73*	
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	8.05	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.77*	
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	8.60	
		For Work In Restricted Working Space, Add	*1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.41*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0232		**Clamp Back Spacers** *(26 05 29 00-0196)*		
26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	4.52	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	4.90	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	5.26	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.20*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	6.67	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.34*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	7.80	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.45*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	8.99	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.57*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	13.82	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-2.05*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	19.59	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.63*	
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	25.20	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.31*	
		For >500, Deduct	*-3.19*	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	51.50	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.28*	
		For >500, Deduct	*-5.82*	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	95.92	
		For Work In Restricted Working Space, Add	*1.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-7.61*	
		For >500, Deduct	*-10.26*	
26 05 29 00-0244		**Conduit Clips** *(26 05 29 00-0196)*		
		Note: Push in or clip.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0245	EA	1/2" Conduit Clip	5.50	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0246	EA	3/4" Conduit Clip	5.50	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0247	EA	1" Conduit Clip	5.41	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.40*	
26 05 29 00-0248	EA	1-1/4" Conduit Clip	5.63	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	6.83	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.44*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.76*	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	7.06	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.44*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.78*	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	7.53	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.53*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.90*	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	7.66	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.53*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.91*	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	8.54	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.53*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.35*	
		For >500, Deduct	*-2.00*	
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	9.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.61*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.13*	
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	10.04	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.61*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-2.21*	
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	18.12	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-3.15*	

26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	3.98	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	4.04	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.05*	
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	4.22	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.07*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.66	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.11*	

26 05 29 00-0263 Beam Flange Clamps *(26 05 29 00-0196)*

Note: For threaded rod, nut not required.

26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.85	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.73	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.25*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.42	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.31*	

26 05 29 00-0267 T-Bar Support Clips *(26 05 29 00-0196)*

26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	9.72	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.31*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	9.19	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.26*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.53	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.69*	
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	29.29	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.53*	
		For >500, Deduct	*-3.47*	

26 05 29 00-0272 Switch And Outlet Box Type Supports *(26 05 29 00-0196)*

26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	7.23	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	6.11	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	7.07	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.25*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	4.52	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.72	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.01*	

26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0279	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	6.46	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.72*	
26 05 29 00-0280	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	23.06	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.38*	
26 05 29 00-0281	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	31.78	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-4.25*	

26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0283	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.82	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 29 00-0284	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.85	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 29 00-0285	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.99	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 29 00-0286	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.52	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*1.61*	
26 05 29 00-0287	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.25	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.90*	
		For Work In Restricted Working Space, Add	*1.61*	
26 05 29 00-0288	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.33	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.91*	
		For Work In Restricted Working Space, Add	*1.61*	
26 05 29 00-0289	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.19	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.60*	
		For >500, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*2.01*	
26 05 29 00-0290	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.83	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-2.43*	
		For Work In Restricted Working Space, Add	*2.01*	
26 05 29 00-0291	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.46	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*2.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0292	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.68	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.51*	
		For Work In Restricted Working Space, Add	*2.01*	

26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.29	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.24	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.43*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.16	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.10	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*1.61*	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.37	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-2.01*	
		For Work In Restricted Working Space, Add	*1.61*	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.44	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-2.02*	
		For Work In Restricted Working Space, Add	*1.61*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	27.71	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-3.25*	
		For >500, Deduct	*-4.65*	
		For Work In Restricted Working Space, Add	*2.82*	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	28.03	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.68*	
		For Work In Restricted Working Space, Add	*2.82*	
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	29.67	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.57*	
		For >500, Deduct	*-5.12*	
		For Work In Restricted Working Space, Add	*3.22*	
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	30.01	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.59*	
		For >500, Deduct	*-5.15*	
		For Work In Restricted Working Space, Add	*3.22*	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	31.58	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.88*	
		For >500, Deduct	*-5.57*	
		For Work In Restricted Working Space, Add	*3.62*	
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	32.88	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.98*	
		For >500, Deduct	*-5.70*	
		For Work In Restricted Working Space, Add	*3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	52.81	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.31*	
		For >250 To 500, Deduct	*-5.64*	
		For >500, Deduct	*-7.97*	
		For Work In Restricted Working Space, Add	*4.03*	
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	56.12	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-6.06*	
		For >500, Deduct	*-8.57*	
		For Work In Restricted Working Space, Add	*4.43*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	60.40	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.54*	
		For >500, Deduct	*-9.26*	
		For Work In Restricted Working Space, Add	*4.83*	
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	80.56	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.83*	
		For >250 To 500, Deduct	*-8.06*	
		For >500, Deduct	*-11.28*	
		For Work In Restricted Working Space, Add	*4.83*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	88.52	
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-8.82*	
		For >500, Deduct	*-12.34*	
		For Work In Restricted Working Space, Add	*5.24*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	125.01	
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-7.26*	
		For >250 To 500, Deduct	*-11.89*	
		For >500, Deduct	*-16.53*	
		For Work In Restricted Working Space, Add	*6.05*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.97	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	12.02	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.01*	
		For Work In Restricted Working Space, Add	*1.21*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.47	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.89*	
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.35	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.87*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.35	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.87*	
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	4.58	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	4.61	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.47	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	4.58	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	4.61	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	

26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.36	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.41	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0328	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.59	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
26 05 29 00-0329	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.98	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.63*	

26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

26 05 29 00-0331	C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.91	
		For Up To 0.1, Add	*28.02*	
		For >0.1 To 0.25, Add	*14.01*	
		For >0.25 To 0.75, Add	*7.01*	
		For >2.0, Deduct	*-2.80*	
		For UV Black, Add	*0.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 29 00-0332	C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.14	
		For Up To 0.1, Add	*28.02*	
		For >0.1 To 0.25, Add	*14.01*	
		For >0.25 To 0.75, Add	*7.01*	
		For >2.0, Deduct	*-2.80*	
		For UV Black, Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 29 00-0333	C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.30	
		For Up To 0.1, Add	*28.02*	
		For >0.1 To 0.25, Add	*14.01*	
		For >0.25 To 0.75, Add	*7.01*	
		For >2.0, Deduct	*-2.80*	
		For UV Black, Add	*0.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 29 00-0334	C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.37	
		For Up To 0.1, Add	*28.02*	
		For >0.1 To 0.25, Add	*14.01*	
		For >0.25 To 0.75, Add	*7.01*	
		For >2.0, Deduct	*-2.80*	
		For UV Black, Add	*0.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 29 00-0335	C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	35.66	
		For Up To 0.1, Add	*29.24*	
		For >0.1 To 0.25, Add	*14.62*	
		For >0.25 To 0.75, Add	*7.31*	
		For >2.0, Deduct	*-2.92*	
		For UV Black, Add	*0.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 29 00-0336	C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	41.96	
		For Up To 0.1, Add	*30.57*	
		For >0.1 To 0.25, Add	*15.29*	
		For >0.25 To 0.75, Add	*7.64*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*1.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 29 00-0337	C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	40.23	
		For Up To 0.1, Add	*28.02*	
		For >0.1 To 0.25, Add	*14.01*	
		For >0.25 To 0.75, Add	*7.01*	
		For >2.0, Deduct	*-2.80*	
		For UV Black, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	41.55	
		For Up To 0.1, Add	*29.24*	
		For >0.1 To 0.25, Add	*14.62*	
		For >0.25 To 0.75, Add	*7.31*	
		For >2.0, Deduct	*-2.92*	
		For UV Black, Add	*1.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	42.94	
		For Up To 0.1, Add	*30.57*	
		For >0.1 To 0.25, Add	*15.29*	
		For >0.25 To 0.75, Add	*7.64*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	61.50	
		For Up To 0.1, Add	*32.96*	
		For >0.1 To 0.25, Add	*16.48*	
		For >0.25 To 0.75, Add	*8.24*	
		For >2.0, Deduct	*-3.30*	
		For UV Black, Add	*4.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	64.08	
		For Up To 0.1, Add	*32.96*	
		For >0.1 To 0.25, Add	*16.48*	
		For >0.25 To 0.75, Add	*8.24*	
		For >2.0, Deduct	*-3.30*	
		For UV Black, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 29 00-0342	C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	44.75	
		For Up To 0.1, Add	*30.57*	
		For >0.1 To 0.25, Add	*15.29*	
		For >0.25 To 0.75, Add	*7.64*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 29 00-0343	C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	42.46	
		For Up To 0.1, Add	*30.57*	
		For >0.1 To 0.25, Add	*15.29*	
		For >0.25 To 0.75, Add	*7.64*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*1.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 29 00-0344	C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	62.21	
		For Up To 0.1, Add	*32.96*	
		For >0.1 To 0.25, Add	*16.48*	
		For >0.25 To 0.75, Add	*8.24*	
		For >2.0, Deduct	*-3.30*	
		For UV Black, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 29 00-0345	C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	70.99	
		For Up To 0.1, Add	*35.03*	
		For >0.1 To 0.25, Add	*17.52*	
		For >0.25 To 0.75, Add	*8.76*	
		For >2.0, Deduct	*-3.50*	
		For UV Black, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 29 00-0346	C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	69.15	
		For Up To 0.1, Add	*30.57*	
		For >0.1 To 0.25, Add	*15.29*	
		For >0.25 To 0.75, Add	*7.64*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*5.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 29 00-0347	C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	75.67	
		For Up To 0.1, Add	*32.96*	
		For >0.1 To 0.25, Add	*16.48*	
		For >0.25 To 0.75, Add	*8.24*	
		For >2.0, Deduct	*-3.30*	
		For UV Black, Add	*6.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 29 00-0348	C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	91.21	
		For Up To 0.1, Add	*35.03*	
		For >0.1 To 0.25, Add	*17.52*	
		For >0.25 To 0.75, Add	*8.76*	
		For >2.0, Deduct	*-3.50*	
		For UV Black, Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 29 00-0349	C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	129.41	
		For Up To 0.1, Add	*37.36*	
		For >0.1 To 0.25, Add	*18.68*	
		For >0.25 To 0.75, Add	*9.34*	
		For >2.0, Deduct	*-3.74*	
		For UV Black, Add	*13.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0350	C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	125.48	
		For Up To 0.1, Add	*37.36*	
		For >0.1 To 0.25, Add	*18.68*	
		For >0.25 To 0.75, Add	*9.34*	
		For >2.0, Deduct	*-3.74*	
		For UV Black, Add	*13.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.21*	
26 05 29 00-0351	C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	152.34	
		For Up To 0.1, Add	*39.10*	
		For >0.1 To 0.25, Add	*19.55*	
		For >0.25 To 0.75, Add	*9.78*	
		For >2.0, Deduct	*-3.91*	
		For UV Black, Add	*16.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.73*	
26 05 29 00-0352	C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	175.98	
		For Up To 0.1, Add	*41.01*	
		For >0.1 To 0.25, Add	*20.51*	
		For >0.25 To 0.75, Add	*10.25*	
		For >2.0, Deduct	*-4.10*	
		For UV Black, Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 29 00-0353	C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	240.35	
		For Up To 0.1, Add	*44.24*	
		For >0.1 To 0.25, Add	*22.12*	
		For >0.25 To 0.75, Add	*11.06*	
		For >2.0, Deduct	*-4.42*	
		For UV Black, Add	*29.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.27*	
26 05 29 00-0354	C	3/4" x 3/4" Self Adhesive Tie Mounts	44.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.61*	
26 05 29 00-0355	C	1.1" x 1.1" Tie Mounts With Screw	89.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.22*	
26 05 29 00-0356	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.20*	
26 05 29 00-0357	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.17*	
26 05 29 00-0358	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	3.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.17*	
26 05 29 00-0359	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.17*	
26 05 29 00-0360	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	110.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.26*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	10.33	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.96*	
26 05 29 00-0364	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.62	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.56*	
		For >500, Deduct	*-5.09*	
26 05 29 00-0365	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	11.14	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.67*	
		For >500, Deduct	*-5.23*	
26 05 29 00-0366	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.42	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.76*	
		For >500, Deduct	*-5.36*	
26 05 29 00-0367	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.68	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-3.84*	
		For >500, Deduct	*-5.48*	
26 05 29 00-0368	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.06	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-4.02*	
		For >500, Deduct	*-5.73*	
26 05 29 00-0369	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.55	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-4.12*	
		For >500, Deduct	*-5.87*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0370		**Machine Screws** *(26 05 29 00-0361)* Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.07	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.11	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.90	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.89*	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.05	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.33*	
		For >500, Deduct	*-1.90*	
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.98	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.60*	
		For >500, Deduct	*-2.29*	
26 05 29 00-0376		**Hex Lag Bolts With Lag Shield Expansion Anchors** *(26 05 29 00-0361)* Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.84	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-1.98*	
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.79	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-1.98*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.65	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.45*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.41	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-2.92*	
26 05 29 00-0381		**Hanger Lag Bolts With Hex Nuts** *(26 05 29 00-0361)* Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0382	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.64	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.56*	
26 05 29 00-0383	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.69	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.56*	
26 05 29 00-0384	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.35	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.77*	
26 05 29 00-0385		**Hollow Wall Screw Anchors** *(26 05 29 00-0361)*		
26 05 29 00-0386	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.15	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0387	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.21	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0388	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.30	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0389	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.88	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0390	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.01	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.13*	
26 05 29 00-0391	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.05	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.14*	
26 05 29 00-0392	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.07	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.14*	
26 05 29 00-0393	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.25	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0394	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.32	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.16*	

26 05 29 00-0395 Lead Screw Anchors *(26 05 29 00-0361)*

Note: Includes screw.

26 05 29 00-0396	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	5.05	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.33*	
26 05 29 00-0397	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.99	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.72*	
26 05 29 00-0398	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	8.04	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-3.50*	

26 05 29 00-0399 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0400	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	8.51	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.14*	
26 05 29 00-0401	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	8.92	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.30*	
26 05 29 00-0402	EA	1" Conduit, Push-In Acoustical T-Bar Clip	9.72	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-3.51*	

26 05 29 00-0403 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0404 Threaded Rod And Rod Accessories *(26 05 29 00-0403)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 29 00-0405 Carbon Steel Threaded Rod *(26 05 29 00-0404)*

Note: Includes plain finish.

26 05 29 00-0406	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.90	0.84
		For Galvanized, Add	*0.88*	
		For Zinc Coated, Add	*0.63*	
26 05 29 00-0407	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.30	0.90
		For Galvanized, Add	*1.40*	
		For Zinc Coated, Add	*1.00*	
26 05 29 00-0408	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.30	0.92
		For Galvanized, Add	*2.18*	
		For Zinc Coated, Add	*1.55*	
26 05 29 00-0409	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.80	0.95
		For Galvanized, Add	*3.96*	
		For Zinc Coated, Add	*2.82*	
26 05 29 00-0410	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.85	0.99
		For Galvanized, Add	*4.35*	
		For Zinc Coated, Add	*3.10*	
26 05 29 00-0411	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.51	1.11
		For Galvanized, Add	*6.11*	
		For Zinc Coated, Add	*4.35*	
26 05 29 00-0412	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.74	1.24
		For Galvanized, Add	*7.70*	
		For Zinc Coated, Add	*5.49*	

26 05 29 00-0413 Threaded Rod Couplings *(26 05 29 00-0404)*

26 05 29 00-0414	EA	3/8" Diameter, Threaded Rod Coupling Nut	10.50
26 05 29 00-0415	EA	1/2" Diameter, Threaded Rod Coupling Nut	11.87
26 05 29 00-0416	EA	5/8" Diameter, Threaded Rod Coupling Nut	14.61
26 05 29 00-0417	EA	3/4" Diameter, Threaded Rod Coupling Nut	17.55
26 05 29 00-0418	EA	7/8" Diameter, Threaded Rod Coupling Nut	24.92
26 05 29 00-0419	EA	1" Diameter, Threaded Rod Coupling Nut	29.53
26 05 29 00-0420	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	54.28

26 05 29 00-0421 Flat Washers *(26 05 29 00-0404)*

26 05 29 00-0422	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.89	0.34
		For Galvanized, Add	*0.03*	
26 05 29 00-0423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.13	0.34
		For Galvanized, Add	*0.07*	
26 05 29 00-0424	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.44	0.34
		For Galvanized, Add	*0.14*	
26 05 29 00-0425	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.74	0.67
		For Galvanized, Add	*0.20*	
26 05 29 00-0426	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.95	0.67
		For Galvanized, Add	*0.24*	
26 05 29 00-0427	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.30	0.67
		For Galvanized, Add	*0.30*	
26 05 29 00-0428	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.57	0.67
		For Galvanized, Add	*0.33*	

26 05 29 00-0429 Malleable Iron Eye Sockets *(26 05 29 00-0404)*

Note: Type 16.

26 05 29 00-0430	EA	3/8" Rod Size, Malleable Iron Eye Socket	14.01
26 05 29 00-0431	EA	1/2" Rod Size, Malleable Iron Eye Socket	16.84
26 05 29 00-0432	EA	5/8" Rod Size, Malleable Iron Eye Socket	29.92
26 05 29 00-0433	EA	3/4" Rod Size, Malleable Iron Eye Socket	42.97
26 05 29 00-0434	EA	7/8" Rod Size, Malleable Iron Eye Socket	45.70

26 05 29 00-0435 Hex Nuts *(26 05 29 00-0404)*

26 05 29 00-0436	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.87	0.34
		For Galvanized, Add	*0.03*	
26 05 29 00-0437	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.09	0.34
		For Galvanized, Add	*0.06*	
26 05 29 00-0438	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.44	0.34
		For Galvanized, Add	*0.14*	
26 05 29 00-0439	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.69	0.67
		For Galvanized, Add	*0.19*	
26 05 29 00-0440	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.41	0.67
		For Galvanized, Add	*0.36*	
26 05 29 00-0441	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.05	0.67
		For Galvanized, Add	*0.48*	
26 05 29 00-0442	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.89	0.67
		For Galvanized, Add	*0.91*	

26 05 29 00-0443 Forged Steel Turnbuckles *(26 05 29 00-0404)*

Note: Type 13.

26 05 29 00-0444	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	33.96
26 05 29 00-0445	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	42.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0446	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	56.95	
26 05 29 00-0447	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	70.71	
26 05 29 00-0448	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	177.57	
26 05 29 00-0449	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	116.48	
26 05 29 00-0450	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	237.11	
26 05 29 00-0451		**Attachments** *(26 05 29 00-0403)*		
26 05 29 00-0452		**Welded Beam Attachments** *(26 05 29 00-0451)*		
		Note: Type 22.		
26 05 29 00-0453	EA	3/8" Rod Size, Welded Beam Attachment	62.06	13.43
26 05 29 00-0454	EA	1/2" Rod Size, Welded Beam Attachment	66.24	14.10
26 05 29 00-0455	EA	5/8" Rod Size, Welded Beam Attachment	70.54	14.91
26 05 29 00-0456	EA	3/4" Rod Size, Welded Beam Attachment	90.54	15.85
26 05 29 00-0457	EA	7/8" Rod Size, Welded Beam Attachment	109.00	16.78
26 05 29 00-0458	EA	1" Rod Size, Welded Beam Attachment	153.52	19.21
26 05 29 00-0459	EA	1-1/8" Rod Size, Welded Beam Attachment	218.57	20.15
26 05 29 00-0460		**C-Clamp Style Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0461	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	21.12	10.09
26 05 29 00-0462	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	25.38	10.76
26 05 29 00-0463	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	28.91	11.53
26 05 29 00-0464	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	37.50	12.41
26 05 29 00-0465	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	55.08	13.45
26 05 29 00-0466		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0467	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	60.21	13.45
26 05 29 00-0468	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	89.21	14.67
26 05 29 00-0469	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	128.16	16.14
26 05 29 00-0470	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	153.59	17.93
26 05 29 00-0471	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	375.20	20.18
26 05 29 00-0472		**Steel U-Bolts** *(26 05 29 00-0451)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0473	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	17.23	8.07
26 05 29 00-0474	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	18.74	8.50
26 05 29 00-0475	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	20.19	8.97
26 05 29 00-0476	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	23.05	9.49
26 05 29 00-0477	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	23.77	10.09
26 05 29 00-0478	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	25.44	10.76
26 05 29 00-0479	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	37.22	11.53
26 05 29 00-0480	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	41.06	12.41
26 05 29 00-0481	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	49.83	13.45
26 05 29 00-0482		**Stainless Steel Threaded Rod** *(26 05 29 00-0403)*		
26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.60	0.67
		For 316 Stainless Steel, Add	*0.92*	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.34	0.74
		For 316 Stainless Steel, Add	*1.56*	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.84	0.84
		For 316 Stainless Steel, Add	*2.09*	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.40	0.86
		For 316 Stainless Steel, Add	*3.10*	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.23	0.90
		For 316 Stainless Steel, Add	*3.82*	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.70	0.91
		For 316 Stainless Steel, Add	*6.02*	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.26	0.92
		For 316 Stainless Steel, Add	*8.67*	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.90	0.95
		For 316 Stainless Steel, Add	*12.15*	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.96	1.11
		For 316 Stainless Steel, Add	*15.68*	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	86.40	1.34
		For 316 Stainless Steel, Add	*33.86*	
26 05 29 00-0493		**Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0494		**Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0493)*		
26 05 29 00-0495		**Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.45	26.86
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.49	29.28
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.71	32.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.36	35.86
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	111.15	40.29
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	132.37	44.32
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.73	48.35
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	159.25	52.38
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	168.36	56.41
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	181.88	60.44
26 05 29 00-0506		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.22	26.86
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	78.73	29.28
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.38	32.23
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.80	35.86
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	112.48	40.29
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	130.09	44.32
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	149.04	48.35
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	164.96	52.38
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	175.54	56.41
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	182.85	60.44
26 05 29 00-0517		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.29	26.59
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.65	29.01
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	85.56	32.23
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.01	35.46
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	129.37	40.29
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.87	44.32
26 05 29 00-0524		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0525		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.12	0.80
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.81	0.80
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.89	0.80
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.64	0.80
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.55	0.80
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.79	0.80
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	40.97	0.80
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	54.83	0.80
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	96.93	0.80
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	103.01	0.80
26 05 29 00-0536		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.03	1.61
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.10	1.61
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.51	1.61
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.70	1.61
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.28	1.61
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.37	1.61
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.37	1.61
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.61	1.61
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.54	1.61
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	33.10	1.61
26 05 29 00-0547		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0493)*		
26 05 29 00-0548		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0547)*		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.56	1.61
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.90	1.61
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	21.19	1.61
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	24.74	1.61
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	33.03	1.61
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	58.53	1.61
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	80.75	1.61
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	110.18	1.61
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	192.66	1.61
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	192.66	1.61
26 05 29 00-0559		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0493)*		
26 05 29 00-0560		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0559)*		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.03	1.07
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	12.32	1.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0563		**Attachments** *(26 05 29 00-0493)*		
26 05 29 00-0564		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0563)*		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.51	8.07
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.22	8.47
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.34	9.01
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	23.77	9.55
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	25.31	10.09
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	28.36	10.76
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	40.28	11.57
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	42.30	12.37
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	45.13	13.45
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	72.53	15.33
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	89.70	17.75
26 05 29 00-0576		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0563)*		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	71.00	26.59
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	82.34	26.59
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	87.02	26.59
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	95.82	28.21
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	112.08	32.23
26 05 29 00-0582		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0563)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.96	8.87
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.33	9.67
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	29.77	10.48
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	33.54	12.08
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	38.38	13.70
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	42.62	14.51
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	47.09	16.11
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	55.90	17.73
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	61.05	18.54
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	64.20	20.15
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	68.69	22.57
26 05 29 00-0594		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0493)*		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	26.49	4.03
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	46.78	5.64
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	28.26	4.03
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	21.04	4.03
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	22.14	4.03
26 05 29 00-0600		**Polymer Concrete Pads** *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0601		**Polymer Concrete, Box Pads** *(26 05 29 00-0600)*		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,417.97	131.82
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,465.66	131.82
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,903.97	131.82
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,976.65	131.82
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,836.32	131.82
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,179.52	131.82
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,442.68	131.82
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,336.47	164.77
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,566.03	164.77
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,801.67	164.77
26 05 29 00-0612		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	679.40	69.89
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	809.70	69.89
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,051.93	98.86
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,100.36	98.86
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,593.33	98.86
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,661.85	98.86
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,789.52	98.86
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,789.52	98.86
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,393.42	98.86
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,851.08	98.86
26 05 29 00-0623		**Polymer Concrete, Electrical Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	403.43	69.89
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	436.92	69.89
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	467.44	69.89

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26 05 29 00-0627	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	568.79	69.89
26 05 29 00-0628	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	523.56	69.89
26 05 29 00-0629	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	544.88	69.89
26 05 29 00-0630	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	600.13	69.89
26 05 29 00-0631	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	632.36	69.89
26 05 29 00-0632	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	740.01	69.89
26 05 29 00-0633	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	917.32	69.89
26 05 29 00-0634	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,355.84	98.86
26 05 29 00-0635	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,420.64	98.86
26 05 29 00-0636	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,441.09	98.86
26 05 29 00-0637	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,577.33	98.86
26 05 29 00-0638	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,399.57	98.86
26 05 29 00-0639	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,009.94	98.86

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies With Wire *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,011.20	299.91
		For Work In Restricted Working Space, Add	*257.11*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.33*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,108.10	325.68
		For Work In Restricted Working Space, Add	*279.20*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,204.99	351.45
		For Work In Restricted Working Space, Add	*301.28*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*4.65*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,071.39	312.79
		For Work In Restricted Working Space, Add	*268.15*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,192.25	342.86
		For Work In Restricted Working Space, Add	*293.92*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.23*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,313.11	372.93
		For Work In Restricted Working Space, Add	*319.69*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*6.98*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,208.49	338.56
		For Work In Restricted Working Space, Add	*290.24*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*6.09*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,122.16	323.34
		For Work In Restricted Working Space, Add	*277.13*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.33*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,219.06	349.11
		For Work In Restricted Working Space, Add	*299.22*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,315.97	374.88
		For Work In Restricted Working Space, Add	*321.31*	

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26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,412.87	400.65
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*343.40*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.82*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,182.35	336.23
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*288.17*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,303.22	366.29
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*313.94*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.23*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,424.09	396.36
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*339.72*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*6.98*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,544.95	426.42
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*365.49*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.72*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,490.76	400.65
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*343.40*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.13*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,662.06	439.31
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*376.53*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.17*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,498.50	387.77
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*332.35*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.06*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,734.10	435.01
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*372.85*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.09*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,276.60	348.01
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*298.34*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.33*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,373.50	373.78
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*320.42*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,470.41	399.55
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*342.51*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,567.31	425.32
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*364.60*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.82*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,336.80	360.90
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*309.38*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.49*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0027		CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,457.66	390.96
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*335.15*	
			For 3 #10 THWN Conductor Instead Of THHN, Add	*5.23*	
26 05 33 13-0028		CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,578.53	421.03
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*360.92*	
			For 4 #10 THWN Conductor Instead Of THHN, Add	*6.98*	
26 05 33 13-0029		CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,699.39	451.09
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*386.69*	
			For 5 #10 THWN Conductor Instead Of THHN, Add	*8.72*	
26 05 33 13-0030		CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,645.20	425.32
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*364.60*	
			For 3 #8 THWN Conductor Instead Of THHN, Add	*9.13*	
26 05 33 13-0031		CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,888.54	459.68
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*394.05*	
			For 3 #6 THWN Conductor Instead Of THHN, Add	*15.09*	
26 05 33 13-0032		CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,124.14	506.92
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*434.55*	
			For 4 #6 THWN Conductor Instead Of THHN, Add	*20.12*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034		CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,313.44	341.38
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*292.59*	
			For 2 #12 THWN Conductor Instead Of THHN, Add	*2.33*	
26 05 33 13-0035		CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,410.34	367.15
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*314.68*	
			For 3 #12 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0036		CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,373.63	354.27
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*303.64*	
			For 2 #10 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0037		CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,494.50	384.33
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*329.41*	
			For 3 #10 THWN Conductor Instead Of THHN, Add	*5.23*	
26 05 33 13-0038		CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,510.74	380.04
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*325.73*	
			For 2 #8 THWN Conductor Instead Of THHN, Add	*6.09*	
26 05 33 13-0039		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,440.91	364.09
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*312.03*	
			For 2 #12 THWN Conductor Instead Of THHN, Add	*2.33*	
26 05 33 13-0040		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,537.81	389.85
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*334.12*	
			For 3 #12 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0041		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,634.70	415.62
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*356.21*	
26 05 33 13-0042		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,501.10	376.98
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*323.08*	
			For 2 #10 THWN Conductor Instead Of THHN, Add	*3.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,621.96	407.03
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*348.85*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.23*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,742.83	437.10
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*374.62*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*6.98*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,809.49	441.39
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*378.29*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.13*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,980.79	480.05
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*411.43*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.17*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,817.24	428.51
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*367.25*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.06*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,052.84	475.75
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*407.75*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.09*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,847.51	434.77
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*372.66*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.49*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,944.42	460.54
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*394.75*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,041.32	486.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*416.84*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.82*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,931.67	451.95
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*387.39*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.23*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,052.53	482.02
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*413.16*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*6.98*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,173.39	512.08
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*438.93*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.72*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	2,119.21	486.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*416.84*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.13*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,362.55	520.67
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*446.29*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.09*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,598.14	567.91
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*486.78*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*20.12*	

26 05 33 13-0058 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0061		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.31	2.70
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-0.76*	
		For Installation In Metal Stud Wall, Add	*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.69*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.35*	
		For Elevated Installation >20' To 25', Add	*1.69*	
		For Elevated Installation >25' To 30', Add	*2.36*	
		For Elevated Installation >30' To 35', Add	*2.70*	
		For Elevated Installation >35' To 40', Add	*3.38*	
		For Elevated Installation >40', Add	*3.71*	
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.02	2.95
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.91*	
		For Installation In Metal Stud Wall, Add	*0.79*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.97*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.18*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Elevated Installation >10' To 15', Add	*0.79*	
		For Elevated Installation >15' To 20', Add	*1.57*	
		For Elevated Installation >20' To 25', Add	*1.97*	
		For Elevated Installation >25' To 30', Add	*2.75*	
		For Elevated Installation >30' To 35', Add	*3.14*	
		For Elevated Installation >35' To 40', Add	*3.93*	
		For Elevated Installation >40', Add	*4.32*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.43	3.44
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.28*	
		For Installation In Metal Stud Wall, Add	*1.06*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.64*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.58*	
		For Work In Restricted Working Space, Add	*3.17*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.11*	
		For Elevated Installation >20' To 25', Add	*2.64*	
		For Elevated Installation >25' To 30', Add	*3.69*	
		For Elevated Installation >30' To 35', Add	*4.22*	
		For Elevated Installation >35' To 40', Add	*5.28*	
		For Elevated Installation >40', Add	*5.80*	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.68	3.93
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.49*	
		For Installation In Metal Stud Wall, Add	*1.12*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.79*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.68*	
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.23*	
		For Elevated Installation >20' To 25', Add	*2.79*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.14*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	20.25	4.42
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.72*	
		For Installation In Metal Stud Wall, Add	*1.23*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.07*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.84*	
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	25.76	5.40
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.20*	
		For Installation In Metal Stud Wall, Add	*1.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.77*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.53*	
		For Elevated Installation >10' To 15', Add	*1.51*	
		For Elevated Installation >15' To 20', Add	*3.02*	
		For Elevated Installation >20' To 25', Add	*3.77*	
		For Elevated Installation >25' To 30', Add	*5.28*	
		For Elevated Installation >30' To 35', Add	*6.04*	
		For Elevated Installation >35' To 40', Add	*7.55*	
		For Elevated Installation >40', Add	*8.30*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	38.18	7.37
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000, Deduct	*-3.31*	
		For Installation In Metal Stud Wall, Add	*2.05*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.13*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.08*	
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.28*	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	50.11	9.81
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000, Deduct	*-4.32*	
		For Installation In Metal Stud Wall, Add	*2.76*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.90*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.14*	
		For Work In Restricted Working Space, Add	*8.28*	
		For Elevated Installation >10' To 15', Add	*2.76*	
		For Elevated Installation >15' To 20', Add	*5.52*	
		For Elevated Installation >20' To 25', Add	*6.90*	
		For Elevated Installation >25' To 30', Add	*9.66*	
		For Elevated Installation >30' To 35', Add	*11.04*	
		For Elevated Installation >35' To 40', Add	*13.81*	
		For Elevated Installation >40', Add	*15.19*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	60.22	12.27
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000, Deduct	*-5.20*	
		For Installation In Metal Stud Wall, Add	*3.28*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.19*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.92*	
		For Work In Restricted Working Space, Add	*9.83*	
		For Elevated Installation >10' To 15', Add	*3.28*	
		For Elevated Installation >15' To 20', Add	*6.55*	
		For Elevated Installation >20' To 25', Add	*8.19*	
		For Elevated Installation >25' To 30', Add	*11.47*	
		For Elevated Installation >30' To 35', Add	*13.11*	
		For Elevated Installation >35' To 40', Add	*16.39*	
		For Elevated Installation >40', Add	*18.02*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	71.33	14.72
		For >250 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000, Deduct	*-6.19*	
		For Installation In Metal Stud Wall, Add	*3.78*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.45*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.67*	
		For Work In Restricted Working Space, Add	*11.34*	
		For Elevated Installation >10' To 15', Add	*3.78*	
		For Elevated Installation >15' To 20', Add	*7.56*	
		For Elevated Installation >20' To 25', Add	*9.45*	
		For Elevated Installation >25' To 30', Add	*13.23*	
		For Elevated Installation >30' To 35', Add	*15.12*	
		For Elevated Installation >35' To 40', Add	*18.90*	
		For Elevated Installation >40', Add	*20.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	111.36	18.65
		For >250 To 500, Deduct	*-3.24*	
		For >500 To 1,000, Deduct	*-7.19*	
		For >1,000, Deduct	*-9.97*	
		For Installation In Metal Stud Wall, Add	*4.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*11.66*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*6.99*	
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	149.90	23.56
		For >250 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-9.77*	
		For >1,000, Deduct	*-13.52*	
		For Installation In Metal Stud Wall, Add	*5.89*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*14.73*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*8.84*	
		For Work In Restricted Working Space, Add	*17.67*	
		For Elevated Installation >10' To 15', Add	*5.89*	
		For Elevated Installation >15' To 20', Add	*11.78*	
		For Elevated Installation >20' To 25', Add	*14.73*	
		For Elevated Installation >25' To 30', Add	*20.62*	
		For Elevated Installation >30' To 35', Add	*23.56*	
		For Elevated Installation >35' To 40', Add	*29.46*	
		For Elevated Installation >40', Add	*32.40*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	36.23	12.15
		For Work In Restricted Working Space, Add	*9.14*	
		For Elevated Installation >10' To 15', Add	*3.05*	
		For Elevated Installation >15' To 20', Add	*6.09*	
		For Elevated Installation >20' To 25', Add	*7.62*	
		For Elevated Installation >25' To 30', Add	*10.66*	
		For Elevated Installation >30' To 35', Add	*12.19*	
		For Elevated Installation >35' To 40', Add	*15.24*	
		For Elevated Installation >40', Add	*16.76*	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	45.48	15.09
		For Work In Restricted Working Space, Add	*11.36*	
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.47*	
		For Elevated Installation >25' To 30', Add	*13.26*	
		For Elevated Installation >30' To 35', Add	*15.15*	
		For Elevated Installation >35' To 40', Add	*18.94*	
		For Elevated Installation >40', Add	*20.83*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	57.89	18.53
		For Work In Restricted Working Space, Add	*13.86*	
		For Elevated Installation >10' To 15', Add	*4.62*	
		For Elevated Installation >15' To 20', Add	*9.24*	
		For Elevated Installation >20' To 25', Add	*11.55*	
		For Elevated Installation >25' To 30', Add	*16.17*	
		For Elevated Installation >30' To 35', Add	*18.48*	
		For Elevated Installation >35' To 40', Add	*23.10*	
		For Elevated Installation >40', Add	*25.41*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	73.63	21.48
		For Work In Restricted Working Space, Add	*16.09*	
		For Elevated Installation >10' To 15', Add	*5.36*	
		For Elevated Installation >15' To 20', Add	*10.73*	
		For Elevated Installation >20' To 25', Add	*13.41*	
		For Elevated Installation >25' To 30', Add	*18.77*	
		For Elevated Installation >30' To 35', Add	*21.46*	
		For Elevated Installation >35' To 40', Add	*26.82*	
		For Elevated Installation >40', Add	*29.50*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	85.41	24.67
		For Work In Restricted Working Space, Add	*18.47*	
		For Elevated Installation >10' To 15', Add	*6.16*	
		For Elevated Installation >15' To 20', Add	*12.31*	
		For Elevated Installation >20' To 25', Add	*15.39*	
		For Elevated Installation >25' To 30', Add	*21.55*	
		For Elevated Installation >30' To 35', Add	*24.63*	
		For Elevated Installation >35' To 40', Add	*30.79*	
		For Elevated Installation >40', Add	*33.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	100.51	27.12
		For Work In Restricted Working Space, Add	*20.32*	
		For Elevated Installation >10' To 15', Add	*6.77*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.93*	
		For Elevated Installation >25' To 30', Add	*23.71*	
		For Elevated Installation >30' To 35', Add	*27.09*	
		For Elevated Installation >35' To 40', Add	*33.87*	
		For Elevated Installation >40', Add	*37.25*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	143.07	33.87
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	202.30	46.14
		For Work In Restricted Working Space, Add	*34.60*	
		For Elevated Installation >10' To 15', Add	*11.53*	
		For Elevated Installation >15' To 20', Add	*23.07*	
		For Elevated Installation >20' To 25', Add	*28.83*	
		For Elevated Installation >25' To 30', Add	*40.37*	
		For Elevated Installation >30' To 35', Add	*46.13*	
		For Elevated Installation >35' To 40', Add	*57.67*	
		For Elevated Installation >40', Add	*63.43*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	266.05	52.03
		For Work In Restricted Working Space, Add	*39.03*	
		For Elevated Installation >10' To 15', Add	*13.01*	
		For Elevated Installation >15' To 20', Add	*26.02*	
		For Elevated Installation >20' To 25', Add	*32.52*	
		For Elevated Installation >25' To 30', Add	*45.53*	
		For Elevated Installation >30' To 35', Add	*52.04*	
		For Elevated Installation >35' To 40', Add	*65.05*	
		For Elevated Installation >40', Add	*71.55*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	326.00	67.74
		For Work In Restricted Working Space, Add	*50.79*	
		For Elevated Installation >10' To 15', Add	*16.93*	
		For Elevated Installation >15' To 20', Add	*33.86*	
		For Elevated Installation >20' To 25', Add	*42.33*	
		For Elevated Installation >25' To 30', Add	*59.26*	
		For Elevated Installation >30' To 35', Add	*67.72*	
		For Elevated Installation >35' To 40', Add	*84.66*	
		For Elevated Installation >40', Add	*93.12*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	533.21	110.44
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.06*	
		For Elevated Installation >40', Add	*151.86*	
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	801.58	165.91
		For Work In Restricted Working Space, Add	*124.42*	
		For Elevated Installation >10' To 15', Add	*41.47*	
		For Elevated Installation >15' To 20', Add	*82.95*	
		For Elevated Installation >20' To 25', Add	*103.68*	
		For Elevated Installation >25' To 30', Add	*145.16*	
		For Elevated Installation >30' To 35', Add	*165.89*	
		For Elevated Installation >35' To 40', Add	*207.37*	
		For Elevated Installation >40', Add	*228.10*	

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	36.23	12.15
		For Work In Restricted Working Space, Add	*9.14*	
		For Elevated Installation >10' To 15', Add	*3.05*	
		For Elevated Installation >15' To 20', Add	*6.09*	
		For Elevated Installation >20' To 25', Add	*7.62*	
		For Elevated Installation >25' To 30', Add	*10.66*	
		For Elevated Installation >30' To 35', Add	*12.19*	
		For Elevated Installation >35' To 40', Add	*15.24*	
		For Elevated Installation >40', Add	*16.76*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	45.48	15.09
		For Work In Restricted Working Space, Add	*11.36*	
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.47*	
		For Elevated Installation >25' To 30', Add	*13.26*	
		For Elevated Installation >30' To 35', Add	*15.15*	
		For Elevated Installation >35' To 40', Add	*18.94*	
		For Elevated Installation >40', Add	*20.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	57.89	18.53
		For Work In Restricted Working Space, Add	*13.86*	
		For Elevated Installation >10' To 15', Add	*4.62*	
		For Elevated Installation >15' To 20', Add	*9.24*	
		For Elevated Installation >20' To 25', Add	*11.55*	
		For Elevated Installation >25' To 30', Add	*16.17*	
		For Elevated Installation >30' To 35', Add	*18.48*	
		For Elevated Installation >35' To 40', Add	*23.10*	
		For Elevated Installation >40', Add	*25.41*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	73.63	21.48
		For Work In Restricted Working Space, Add	*16.09*	
		For Elevated Installation >10' To 15', Add	*5.36*	
		For Elevated Installation >15' To 20', Add	*10.73*	
		For Elevated Installation >20' To 25', Add	*13.41*	
		For Elevated Installation >25' To 30', Add	*18.77*	
		For Elevated Installation >30' To 35', Add	*21.46*	
		For Elevated Installation >35' To 40', Add	*26.82*	
		For Elevated Installation >40', Add	*29.50*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	85.42	24.67
		For Work In Restricted Working Space, Add	*18.47*	
		For Elevated Installation >10' To 15', Add	*6.16*	
		For Elevated Installation >15' To 20', Add	*12.31*	
		For Elevated Installation >20' To 25', Add	*15.39*	
		For Elevated Installation >25' To 30', Add	*21.55*	
		For Elevated Installation >30' To 35', Add	*24.63*	
		For Elevated Installation >35' To 40', Add	*30.79*	
		For Elevated Installation >40', Add	*33.86*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	100.51	27.12
		For Work In Restricted Working Space, Add	*20.32*	
		For Elevated Installation >10' To 15', Add	*6.77*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.93*	
		For Elevated Installation >25' To 30', Add	*23.71*	
		For Elevated Installation >30' To 35', Add	*27.09*	
		For Elevated Installation >35' To 40', Add	*33.87*	
		For Elevated Installation >40', Add	*37.25*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	140.70	33.87
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	193.06	46.14
		For Work In Restricted Working Space, Add	*34.60*	
		For Elevated Installation >10' To 15', Add	*11.53*	
		For Elevated Installation >15' To 20', Add	*23.07*	
		For Elevated Installation >20' To 25', Add	*28.83*	
		For Elevated Installation >25' To 30', Add	*40.37*	
		For Elevated Installation >30' To 35', Add	*46.13*	
		For Elevated Installation >35' To 40', Add	*57.67*	
		For Elevated Installation >40', Add	*63.43*	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	253.06	52.03
		For Work In Restricted Working Space, Add	*39.03*	
		For Elevated Installation >10' To 15', Add	*13.01*	
		For Elevated Installation >15' To 20', Add	*26.02*	
		For Elevated Installation >20' To 25', Add	*32.52*	
		For Elevated Installation >25' To 30', Add	*45.53*	
		For Elevated Installation >30' To 35', Add	*52.04*	
		For Elevated Installation >35' To 40', Add	*65.05*	
		For Elevated Installation >40', Add	*71.55*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	308.72	67.74
		For Work In Restricted Working Space, Add	*50.79*	
		For Elevated Installation >10' To 15', Add	*16.93*	
		For Elevated Installation >15' To 20', Add	*33.86*	
		For Elevated Installation >20' To 25', Add	*42.33*	
		For Elevated Installation >25' To 30', Add	*59.26*	
		For Elevated Installation >30' To 35', Add	*67.72*	
		For Elevated Installation >35' To 40', Add	*84.66*	
		For Elevated Installation >40', Add	*93.12*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	533.21	110.44
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.06*	
		For Elevated Installation >40', Add	*151.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	801.58	165.91
		For Work In Restricted Working Space, Add	*124.42*	
		For Elevated Installation >10' To 15', Add	*41.47*	
		For Elevated Installation >15' To 20', Add	*82.95*	
		For Elevated Installation >20' To 25', Add	*103.68*	
		For Elevated Installation >25' To 30', Add	*145.16*	
		For Elevated Installation >30' To 35', Add	*165.89*	
		For Elevated Installation >35' To 40', Add	*207.37*	
		For Elevated Installation >40', Add	*228.10*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	88.46	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	101.97	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	117.83	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	132.60	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	95.69	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	111.25	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	122.06	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	137.32	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	182.03	55.04
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	245.12	74.97
		For Work In Restricted Working Space, Add	*44.99*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	96.03	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	110.34	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	126.63	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	147.55	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	191.56	55.04
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	252.81	74.97
		For Work In Restricted Working Space, Add	*44.99*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	314.49	84.54
		For Work In Restricted Working Space, Add	*50.73*	
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	382.60	110.07
		For Work In Restricted Working Space, Add	*66.05*	
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	107.54	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	121.63	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	135.09	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	160.02	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	208.57	55.04
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	279.47	74.97
		For Work In Restricted Working Space, Add	*44.99*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	340.41	84.54
		For Work In Restricted Working Space, Add	*50.73*	
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	403.27	110.07
		For Work In Restricted Working Space, Add	*66.05*	
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	106.84	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	130.03	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	144.19	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	171.91	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	224.89	55.04
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	300.53	74.97
		For Work In Restricted Working Space, Add	*44.99*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	366.04	84.54
		For Work In Restricted Working Space, Add	*50.73*	
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	441.20	110.07
		For Work In Restricted Working Space, Add	*66.05*	
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	642.86	179.46
		For Work In Restricted Working Space, Add	*107.68*	
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
26 05 33 13-0140		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	112.99	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	134.17	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	160.12	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	181.19	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	244.24	55.04
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	318.54	74.97
		For Work In Restricted Working Space, Add	*44.99*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	399.14	84.54
		For Work In Restricted Working Space, Add	*50.73*	
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	459.05	110.07
		For Work In Restricted Working Space, Add	*66.05*	
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	788.47	179.46
		For Work In Restricted Working Space, Add	*107.68*	
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,011.10	269.60
		For Work In Restricted Working Space, Add	*161.76*	
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	122.00	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	145.17	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	171.82	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	193.42	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	259.04	55.04
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	344.92	74.97
		For Work In Restricted Working Space, Add	*44.99*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	425.60	84.54
		For Work In Restricted Working Space, Add	*50.73*	
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	535.19	110.07
		For Work In Restricted Working Space, Add	*66.05*	
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	893.51	179.46
		For Work In Restricted Working Space, Add	*107.68*	
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,102.06	269.60
		For Work In Restricted Working Space, Add	*161.76*	
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	129.50	30.31
		For Work In Restricted Working Space, Add	*18.19*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	153.65	35.10
		For Work In Restricted Working Space, Add	*21.06*	
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	179.21	39.88
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	216.26	43.87
		For Work In Restricted Working Space, Add	*26.32*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	286.34	55.04
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	371.51	74.97
		For Work In Restricted Working Space, Add	*44.99*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	458.87	84.54
		For Work In Restricted Working Space, Add	*50.73*	
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	575.61	110.07
		For Work In Restricted Working Space, Add	*66.05*	
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	926.40	179.46
		For Work In Restricted Working Space, Add	*107.68*	
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,120.46	269.60
		For Work In Restricted Working Space, Add	*161.76*	
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	
26 05 33 13-0173		**Rigid Galvanized Steel (RGS) Plastic Insulating Bushing** *(26 05 33 13-0060)*		
26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.06	7.82
		For Work In Restricted Working Space, Add	*4.70*	
		For Elevated Installation >10' To 15', Add	*1.57*	
		For Elevated Installation >15' To 20', Add	*3.13*	
		For Elevated Installation >20' To 25', Add	*3.91*	
		For Elevated Installation >25' To 30', Add	*5.48*	
		For Elevated Installation >30' To 35', Add	*6.26*	
		For Elevated Installation >35' To 40', Add	*7.83*	
		For Elevated Installation >40', Add	*8.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.23	8.35
		For Work In Restricted Working Space, Add	*5.01*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.34*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.84*	
		For Elevated Installation >30' To 35', Add	*6.68*	
		For Elevated Installation >35' To 40', Add	*8.35*	
		For Elevated Installation >40', Add	*9.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	19.58	9.39
		For Work In Restricted Working Space, Add	*5.63*	
		For Elevated Installation >10' To 15', Add	*1.88*	
		For Elevated Installation >15' To 20', Add	*3.75*	
		For Elevated Installation >20' To 25', Add	*4.69*	
		For Elevated Installation >25' To 30', Add	*6.57*	
		For Elevated Installation >30' To 35', Add	*7.51*	
		For Elevated Installation >35' To 40', Add	*9.39*	
		For Elevated Installation >40', Add	*10.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.63*	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	22.04	10.43
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	27.69	13.04
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.13*	
		For Elevated Installation >30' To 35', Add	*10.43*	
		For Elevated Installation >35' To 40', Add	*13.04*	
		For Elevated Installation >40', Add	*14.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	34.28	15.65
		For Work In Restricted Working Space, Add	*9.39*	
		For Elevated Installation >10' To 15', Add	*3.13*	
		For Elevated Installation >15' To 20', Add	*6.26*	
		For Elevated Installation >20' To 25', Add	*7.82*	
		For Elevated Installation >25' To 30', Add	*10.95*	
		For Elevated Installation >30' To 35', Add	*12.52*	
		For Elevated Installation >35' To 40', Add	*15.65*	
		For Elevated Installation >40', Add	*17.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.39*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	43.10	18.25
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	48.69	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.87*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	56.60	19.64
		For Work In Restricted Working Space, Add	*14.08*	
		For Elevated Installation >10' To 15', Add	*4.69*	
		For Elevated Installation >15' To 20', Add	*9.39*	
		For Elevated Installation >20' To 25', Add	*11.74*	
		For Elevated Installation >25' To 30', Add	*16.43*	
		For Elevated Installation >30' To 35', Add	*18.78*	
		For Elevated Installation >35' To 40', Add	*23.47*	
		For Elevated Installation >40', Add	*25.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.08*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	62.80	26.08
		For Work In Restricted Working Space, Add	*15.65*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.43*	
		For Elevated Installation >20' To 25', Add	*13.04*	
		For Elevated Installation >25' To 30', Add	*18.25*	
		For Elevated Installation >30' To 35', Add	*20.86*	
		For Elevated Installation >35' To 40', Add	*26.08*	
		For Elevated Installation >40', Add	*28.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.65*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	75.52	28.69
		For Work In Restricted Working Space, Add	*17.21*	
		For Elevated Installation >10' To 15', Add	*5.74*	
		For Elevated Installation >15' To 20', Add	*11.47*	
		For Elevated Installation >20' To 25', Add	*14.34*	
		For Elevated Installation >25' To 30', Add	*20.08*	
		For Elevated Installation >30' To 35', Add	*22.95*	
		For Elevated Installation >35' To 40', Add	*28.69*	
		For Elevated Installation >40', Add	*31.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.21*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	108.53	31.29
		For Work In Restricted Working Space, Add	*18.77*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.65*	
		For Elevated Installation >25' To 30', Add	*21.90*	
		For Elevated Installation >30' To 35', Add	*25.03*	
		For Elevated Installation >35' To 40', Add	*31.29*	
		For Elevated Installation >40', Add	*34.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.77*	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	19.41	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	21.11	9.81
		For Work In Restricted Working Space, Add	*5.89*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.93*	
		For Elevated Installation >20' To 25', Add	*4.91*	
		For Elevated Installation >25' To 30', Add	*6.87*	
		For Elevated Installation >30' To 35', Add	*7.86*	
		For Elevated Installation >35' To 40', Add	*9.82*	
		For Elevated Installation >40', Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	24.65	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	27.71	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	35.36	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	41.84	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	58.75	21.48
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	69.81	24.55
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	103.63	27.61
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.57*	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	139.87	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	186.58	33.75
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	274.63	36.81
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.09*	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	20.60	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	22.91	9.81
		For Work In Restricted Working Space, Add	*5.89*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.93*	
		For Elevated Installation >20' To 25', Add	*4.91*	
		For Elevated Installation >25' To 30', Add	*6.87*	
		For Elevated Installation >30' To 35', Add	*7.86*	
		For Elevated Installation >35' To 40', Add	*9.82*	
		For Elevated Installation >40', Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	26.91	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	31.53	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	39.33	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	48.89	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	68.31	21.48
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	81.02	24.55
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.72*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	105.72	27.61
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.57*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	149.22	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	196.76	33.75
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	278.21	36.81
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.09*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	30.96	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	34.68	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	39.62	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	47.02	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	56.90	19.02
		For Work In Restricted Working Space, Add	*11.41*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.61*	
		For Elevated Installation >20' To 25', Add	*9.51*	
		For Elevated Installation >25' To 30', Add	*13.31*	
		For Elevated Installation >30' To 35', Add	*15.22*	
		For Elevated Installation >35' To 40', Add	*19.02*	
		For Elevated Installation >40', Add	*20.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.41*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	71.60	22.70
		For Work In Restricted Working Space, Add	*13.62*	
		For Elevated Installation >10' To 15', Add	*4.54*	
		For Elevated Installation >15' To 20', Add	*9.08*	
		For Elevated Installation >20' To 25', Add	*11.35*	
		For Elevated Installation >25' To 30', Add	*15.89*	
		For Elevated Installation >30' To 35', Add	*18.16*	
		For Elevated Installation >35' To 40', Add	*22.70*	
		For Elevated Installation >40', Add	*24.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.62*	
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	95.56	26.38
		For Work In Restricted Working Space, Add	*15.83*	
		For Elevated Installation >10' To 15', Add	*5.28*	
		For Elevated Installation >15' To 20', Add	*10.55*	
		For Elevated Installation >20' To 25', Add	*13.19*	
		For Elevated Installation >25' To 30', Add	*18.47*	
		For Elevated Installation >30' To 35', Add	*21.10*	
		For Elevated Installation >35' To 40', Add	*26.38*	
		For Elevated Installation >40', Add	*29.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.83*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	105.52	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	119.29	34.36
		For Work In Restricted Working Space, Add	*20.62*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.74*	
		For Elevated Installation >20' To 25', Add	*17.18*	
		For Elevated Installation >25' To 30', Add	*24.05*	
		For Elevated Installation >30' To 35', Add	*27.49*	
		For Elevated Installation >35' To 40', Add	*34.36*	
		For Elevated Installation >40', Add	*37.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.62*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	153.49	38.04
		For Work In Restricted Working Space, Add	*22.82*	
		For Elevated Installation >10' To 15', Add	*7.61*	
		For Elevated Installation >15' To 20', Add	*15.22*	
		For Elevated Installation >20' To 25', Add	*19.02*	
		For Elevated Installation >25' To 30', Add	*26.63*	
		For Elevated Installation >30' To 35', Add	*30.43*	
		For Elevated Installation >35' To 40', Add	*38.04*	
		For Elevated Installation >40', Add	*41.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.82*	
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	216.69	41.73
		For Work In Restricted Working Space, Add	*25.03*	
		For Elevated Installation >10' To 15', Add	*8.34*	
		For Elevated Installation >15' To 20', Add	*16.69*	
		For Elevated Installation >20' To 25', Add	*20.86*	
		For Elevated Installation >25' To 30', Add	*29.20*	
		For Elevated Installation >30' To 35', Add	*33.38*	
		For Elevated Installation >35' To 40', Add	*41.72*	
		For Elevated Installation >40', Add	*45.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.03*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	297.43	46.02
		For Work In Restricted Working Space, Add	*27.61*	
		For Elevated Installation >10' To 15', Add	*9.20*	
		For Elevated Installation >15' To 20', Add	*18.41*	
		For Elevated Installation >20' To 25', Add	*23.01*	
		For Elevated Installation >25' To 30', Add	*32.21*	
		For Elevated Installation >30' To 35', Add	*36.81*	
		For Elevated Installation >35' To 40', Add	*46.02*	
		For Elevated Installation >40', Add	*50.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.61*	
26 05 33 13-0225		**Rigid Galvanized Steel (RGS) Box Connectors With Set Screw** *(26 05 33 13-0060)*		
26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	18.11	5.64
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.90*	
		For Elevated Installation >30' To 35', Add	*5.60*	
		For Elevated Installation >35' To 40', Add	*7.00*	
		For Elevated Installation >40', Add	*7.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	21.91	6.50
		For Work In Restricted Working Space, Add	*4.86*	
		For Elevated Installation >10' To 15', Add	*1.62*	
		For Elevated Installation >15' To 20', Add	*3.24*	
		For Elevated Installation >20' To 25', Add	*4.05*	
		For Elevated Installation >25' To 30', Add	*5.67*	
		For Elevated Installation >30' To 35', Add	*6.48*	
		For Elevated Installation >35' To 40', Add	*8.11*	
		For Elevated Installation >40', Add	*8.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	28.64	7.86
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.91*	
		For Elevated Installation >20' To 25', Add	*4.89*	
		For Elevated Installation >25' To 30', Add	*6.84*	
		For Elevated Installation >30' To 35', Add	*7.82*	
		For Elevated Installation >35' To 40', Add	*9.78*	
		For Elevated Installation >40', Add	*10.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	42.15	9.69
		For Work In Restricted Working Space, Add	*7.30*	
		For Elevated Installation >10' To 15', Add	*2.43*	
		For Elevated Installation >15' To 20', Add	*4.86*	
		For Elevated Installation >20' To 25', Add	*6.08*	
		For Elevated Installation >25' To 30', Add	*8.51*	
		For Elevated Installation >30' To 35', Add	*9.73*	
		For Elevated Installation >35' To 40', Add	*12.16*	
		For Elevated Installation >40', Add	*13.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	57.03	13.01
		For Work In Restricted Working Space, Add	*9.77*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.39*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	96.76	19.51
		For Work In Restricted Working Space, Add	*14.63*	
		For Elevated Installation >10' To 15', Add	*4.88*	
		For Elevated Installation >15' To 20', Add	*9.75*	
		For Elevated Installation >20' To 25', Add	*12.19*	
		For Elevated Installation >25' To 30', Add	*17.06*	
		For Elevated Installation >30' To 35', Add	*19.50*	
		For Elevated Installation >35' To 40', Add	*24.38*	
		For Elevated Installation >40', Add	*26.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.63*	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	172.79	21.60
		For Work In Restricted Working Space, Add	*16.20*	
		For Elevated Installation >10' To 15', Add	*5.40*	
		For Elevated Installation >15' To 20', Add	*10.80*	
		For Elevated Installation >20' To 25', Add	*13.50*	
		For Elevated Installation >25' To 30', Add	*18.90*	
		For Elevated Installation >30' To 35', Add	*21.60*	
		For Elevated Installation >35' To 40', Add	*27.00*	
		For Elevated Installation >40', Add	*29.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.20*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	206.02	26.14
		For Work In Restricted Working Space, Add	*19.62*	
		For Elevated Installation >10' To 15', Add	*6.54*	
		For Elevated Installation >15' To 20', Add	*13.08*	
		For Elevated Installation >20' To 25', Add	*16.35*	
		For Elevated Installation >25' To 30', Add	*22.89*	
		For Elevated Installation >30' To 35', Add	*26.16*	
		For Elevated Installation >35' To 40', Add	*32.70*	
		For Elevated Installation >40', Add	*35.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.62*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	278.26	32.77
		For Work In Restricted Working Space, Add	*24.56*	
		For Elevated Installation >10' To 15', Add	*8.19*	
		For Elevated Installation >15' To 20', Add	*16.37*	
		For Elevated Installation >20' To 25', Add	*20.47*	
		For Elevated Installation >25' To 30', Add	*28.65*	
		For Elevated Installation >30' To 35', Add	*32.75*	
		For Elevated Installation >35' To 40', Add	*40.94*	
		For Elevated Installation >40', Add	*45.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.56*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	326.08	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	569.75	43.69
		For Work In Restricted Working Space, Add	*32.73*	
		For Elevated Installation >10' To 15', Add	*10.91*	
		For Elevated Installation >15' To 20', Add	*21.82*	
		For Elevated Installation >20' To 25', Add	*27.27*	
		For Elevated Installation >25' To 30', Add	*38.18*	
		For Elevated Installation >30' To 35', Add	*43.64*	
		For Elevated Installation >35' To 40', Add	*54.55*	
		For Elevated Installation >40', Add	*60.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.73*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	680.32	49.08
		For Work In Restricted Working Space, Add	*36.80*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.67*	
		For Elevated Installation >25' To 30', Add	*42.94*	
		For Elevated Installation >30' To 35', Add	*49.07*	
		For Elevated Installation >35' To 40', Add	*61.34*	
		For Elevated Installation >40', Add	*67.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.80*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	17.81	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	20.49	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	26.23	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	30.71	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	35.09	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.96	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.73	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	26.49	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	31.06	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	35.65	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	40.36	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	18.12	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	20.94	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	26.85	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	31.38	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	36.03	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	41.30	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	56.06	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	75.29	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.33	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.05	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	27.33	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	31.98	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	36.83	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	42.27	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	58.67	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	77.55	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	18.53	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	21.41	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	27.62	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	32.27	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	37.37	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	43.09	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	59.47	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	79.23	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	91.27	32.51
		For Work In Restricted Working Space, Add	*19.51*	
		For Elevated Installation >10' To 15', Add	*6.50*	
		For Elevated Installation >15' To 20', Add	*13.01*	
		For Elevated Installation >20' To 25', Add	*16.26*	
		For Elevated Installation >25' To 30', Add	*22.76*	
		For Elevated Installation >30' To 35', Add	*26.01*	
		For Elevated Installation >35' To 40', Add	*32.52*	
		For Elevated Installation >40', Add	*35.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	114.12	42.34
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	18.84	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	21.86	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	28.19	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	33.11	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	38.19	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	44.55	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	62.70	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	82.73	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	94.75	32.51
		For Work In Restricted Working Space, Add	*19.51*	
		For Elevated Installation >10' To 15', Add	*6.50*	
		For Elevated Installation >15' To 20', Add	*13.01*	
		For Elevated Installation >20' To 25', Add	*16.26*	
		For Elevated Installation >25' To 30', Add	*22.76*	
		For Elevated Installation >30' To 35', Add	*26.01*	
		For Elevated Installation >35' To 40', Add	*32.52*	
		For Elevated Installation >40', Add	*35.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	119.20	42.34
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	183.61	58.28
		For Work In Restricted Working Space, Add	*34.97*	
		For Elevated Installation >10' To 15', Add	*11.66*	
		For Elevated Installation >15' To 20', Add	*23.31*	
		For Elevated Installation >20' To 25', Add	*29.14*	
		For Elevated Installation >25' To 30', Add	*40.80*	
		For Elevated Installation >30' To 35', Add	*46.63*	
		For Elevated Installation >35' To 40', Add	*58.29*	
		For Elevated Installation >40', Add	*64.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	233.12	74.73
		For Work In Restricted Working Space, Add	*44.87*	
		For Elevated Installation >10' To 15', Add	*14.96*	
		For Elevated Installation >15' To 20', Add	*29.91*	
		For Elevated Installation >20' To 25', Add	*37.39*	
		For Elevated Installation >25' To 30', Add	*52.35*	
		For Elevated Installation >30' To 35', Add	*59.82*	
		For Elevated Installation >35' To 40', Add	*74.78*	
		For Elevated Installation >40', Add	*82.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	19.40	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	22.43	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	28.65	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	33.87	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	39.91	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	46.01	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	65.53	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	86.29	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	98.99	32.51
		For Work In Restricted Working Space, Add	*19.51*	
		For Elevated Installation >10' To 15', Add	*6.50*	
		For Elevated Installation >15' To 20', Add	*13.01*	
		For Elevated Installation >20' To 25', Add	*16.26*	
		For Elevated Installation >25' To 30', Add	*22.76*	
		For Elevated Installation >30' To 35', Add	*26.01*	
		For Elevated Installation >35' To 40', Add	*32.52*	
		For Elevated Installation >40', Add	*35.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	123.23	42.34
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	189.52	58.28
		For Work In Restricted Working Space, Add	*34.97*	
		For Elevated Installation >10' To 15', Add	*11.66*	
		For Elevated Installation >15' To 20', Add	*23.31*	
		For Elevated Installation >20' To 25', Add	*29.14*	
		For Elevated Installation >25' To 30', Add	*40.80*	
		For Elevated Installation >30' To 35', Add	*46.63*	
		For Elevated Installation >35' To 40', Add	*58.29*	
		For Elevated Installation >40', Add	*64.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	241.76	74.73
		For Work In Restricted Working Space, Add	*44.87*	
		For Elevated Installation >10' To 15', Add	*14.96*	
		For Elevated Installation >15' To 20', Add	*29.91*	
		For Elevated Installation >20' To 25', Add	*37.39*	
		For Elevated Installation >25' To 30', Add	*52.35*	
		For Elevated Installation >30' To 35', Add	*59.82*	
		For Elevated Installation >35' To 40', Add	*74.78*	
		For Elevated Installation >40', Add	*82.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	21.44	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	25.05	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	31.73	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	38.26	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	44.80	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	51.16	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	73.03	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	94.91	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	107.59	32.51
		For Work In Restricted Working Space, Add	*19.51*	
		For Elevated Installation >10' To 15', Add	*6.50*	
		For Elevated Installation >15' To 20', Add	*13.01*	
		For Elevated Installation >20' To 25', Add	*16.26*	
		For Elevated Installation >25' To 30', Add	*22.76*	
		For Elevated Installation >30' To 35', Add	*26.01*	
		For Elevated Installation >35' To 40', Add	*32.52*	
		For Elevated Installation >40', Add	*35.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	132.73	42.34
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	203.22	58.28
		For Work In Restricted Working Space, Add	*34.97*	
		For Elevated Installation >10' To 15', Add	*11.66*	
		For Elevated Installation >15' To 20', Add	*23.31*	
		For Elevated Installation >20' To 25', Add	*29.14*	
		For Elevated Installation >25' To 30', Add	*40.80*	
		For Elevated Installation >30' To 35', Add	*46.63*	
		For Elevated Installation >35' To 40', Add	*58.29*	
		For Elevated Installation >40', Add	*64.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	257.15	74.73
		For Work In Restricted Working Space, Add	*44.87*	
		For Elevated Installation >10' To 15', Add	*14.96*	
		For Elevated Installation >15' To 20', Add	*29.91*	
		For Elevated Installation >20' To 25', Add	*37.39*	
		For Elevated Installation >25' To 30', Add	*52.35*	
		For Elevated Installation >30' To 35', Add	*59.82*	
		For Elevated Installation >35' To 40', Add	*74.78*	
		For Elevated Installation >40', Add	*82.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	22.82	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	26.38	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	34.17	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	41.17	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	47.66	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	54.48	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	78.08	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	101.68	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	116.51	32.51
		For Work In Restricted Working Space, Add	*19.51*	
		For Elevated Installation >10' To 15', Add	*6.50*	
		For Elevated Installation >15' To 20', Add	*13.01*	
		For Elevated Installation >20' To 25', Add	*16.26*	
		For Elevated Installation >25' To 30', Add	*22.76*	
		For Elevated Installation >30' To 35', Add	*26.01*	
		For Elevated Installation >35' To 40', Add	*32.52*	
		For Elevated Installation >40', Add	*35.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	144.03	42.34
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	218.16	58.28
		For Work In Restricted Working Space, Add	*34.97*	
		For Elevated Installation >10' To 15', Add	*11.66*	
		For Elevated Installation >15' To 20', Add	*23.31*	
		For Elevated Installation >20' To 25', Add	*29.14*	
		For Elevated Installation >25' To 30', Add	*40.80*	
		For Elevated Installation >30' To 35', Add	*46.63*	
		For Elevated Installation >35' To 40', Add	*58.29*	
		For Elevated Installation >40', Add	*64.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	284.02	74.73
		For Work In Restricted Working Space, Add	*44.87*	
		For Elevated Installation >10' To 15', Add	*14.96*	
		For Elevated Installation >15' To 20', Add	*29.91*	
		For Elevated Installation >20' To 25', Add	*37.39*	
		For Elevated Installation >25' To 30', Add	*52.35*	
		For Elevated Installation >30' To 35', Add	*59.82*	
		For Elevated Installation >35' To 40', Add	*74.78*	
		For Elevated Installation >40', Add	*82.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	23.87	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	27.37	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	35.65	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	43.50	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	49.10	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	57.27	17.18
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	84.01	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.34*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.60*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.86*	
		For Elevated Installation >40', Add	*22.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	111.10	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	125.20	32.51
		For Work In Restricted Working Space, Add	*19.51*	
		For Elevated Installation >10' To 15', Add	*6.50*	
		For Elevated Installation >15' To 20', Add	*13.01*	
		For Elevated Installation >20' To 25', Add	*16.26*	
		For Elevated Installation >25' To 30', Add	*22.76*	
		For Elevated Installation >30' To 35', Add	*26.01*	
		For Elevated Installation >35' To 40', Add	*32.52*	
		For Elevated Installation >40', Add	*35.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	155.35	42.34
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	239.63	58.28
		For Work In Restricted Working Space, Add	*34.97*	
		For Elevated Installation >10' To 15', Add	*11.66*	
		For Elevated Installation >15' To 20', Add	*23.31*	
		For Elevated Installation >20' To 25', Add	*29.14*	
		For Elevated Installation >25' To 30', Add	*40.80*	
		For Elevated Installation >30' To 35', Add	*46.63*	
		For Elevated Installation >35' To 40', Add	*58.29*	
		For Elevated Installation >40', Add	*64.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	298.96	74.73
		For Work In Restricted Working Space, Add	*44.87*	
		For Elevated Installation >10' To 15', Add	*14.96*	
		For Elevated Installation >15' To 20', Add	*29.91*	
		For Elevated Installation >20' To 25', Add	*37.39*	
		For Elevated Installation >25' To 30', Add	*52.35*	
		For Elevated Installation >30' To 35', Add	*59.82*	
		For Elevated Installation >35' To 40', Add	*74.78*	
		For Elevated Installation >40', Add	*82.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 05 33 13-0336		**Rigid Galvanized Steel (RGS) Off-Set Nipples** *(26 05 33 13-0060)*		
26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	18.27	6.38
		For Work In Restricted Working Space, Add	*4.82*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.22*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.63*	
		For Elevated Installation >30' To 35', Add	*6.43*	
		For Elevated Installation >35' To 40', Add	*8.04*	
		For Elevated Installation >40', Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	21.65	7.37
		For Work In Restricted Working Space, Add	*5.49*	
		For Elevated Installation >10' To 15', Add	*1.83*	
		For Elevated Installation >15' To 20', Add	*3.66*	
		For Elevated Installation >20' To 25', Add	*4.58*	
		For Elevated Installation >25' To 30', Add	*6.41*	
		For Elevated Installation >30' To 35', Add	*7.32*	
		For Elevated Installation >35' To 40', Add	*9.15*	
		For Elevated Installation >40', Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.49*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	27.24	9.32
		For Work In Restricted Working Space, Add	*7.02*	
		For Elevated Installation >10' To 15', Add	*2.34*	
		For Elevated Installation >15' To 20', Add	*4.68*	
		For Elevated Installation >20' To 25', Add	*5.85*	
		For Elevated Installation >25' To 30', Add	*8.19*	
		For Elevated Installation >30' To 35', Add	*9.36*	
		For Elevated Installation >35' To 40', Add	*11.71*	
		For Elevated Installation >40', Add	*12.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	34.23	11.17
		For Work In Restricted Working Space, Add	*8.42*	
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.61*	
		For Elevated Installation >20' To 25', Add	*7.01*	
		For Elevated Installation >25' To 30', Add	*9.82*	
		For Elevated Installation >30' To 35', Add	*11.22*	
		For Elevated Installation >35' To 40', Add	*14.03*	
		For Elevated Installation >40', Add	*15.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.42*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	37.48	12.27
		For Work In Restricted Working Space, Add	*9.21*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.68*	
		For Elevated Installation >25' To 30', Add	*10.75*	
		For Elevated Installation >30' To 35', Add	*12.28*	
		For Elevated Installation >35' To 40', Add	*15.35*	
		For Elevated Installation >40', Add	*16.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.21*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	48.59	15.09
		For Work In Restricted Working Space, Add	*11.35*	
		For Elevated Installation >10' To 15', Add	*3.78*	
		For Elevated Installation >15' To 20', Add	*7.56*	
		For Elevated Installation >20' To 25', Add	*9.46*	
		For Elevated Installation >25' To 30', Add	*13.24*	
		For Elevated Installation >30' To 35', Add	*15.13*	
		For Elevated Installation >35' To 40', Add	*18.91*	
		For Elevated Installation >40', Add	*20.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	79.29	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.47*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	125.42	33.87
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.87*	
		For Elevated Installation >35' To 40', Add	*42.34*	
		For Elevated Installation >40', Add	*46.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	154.49	40.00
		For Work In Restricted Working Space, Add	*29.84*	
		For Elevated Installation >10' To 15', Add	*9.95*	
		For Elevated Installation >15' To 20', Add	*19.89*	
		For Elevated Installation >20' To 25', Add	*24.87*	
		For Elevated Installation >25' To 30', Add	*34.81*	
		For Elevated Installation >30' To 35', Add	*39.78*	
		For Elevated Installation >35' To 40', Add	*49.73*	
		For Elevated Installation >40', Add	*54.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.84*	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	184.59	46.14
		For Work In Restricted Working Space, Add	*34.61*	
		For Elevated Installation >10' To 15', Add	*11.54*	
		For Elevated Installation >15' To 20', Add	*23.07*	
		For Elevated Installation >20' To 25', Add	*28.84*	
		For Elevated Installation >25' To 30', Add	*40.38*	
		For Elevated Installation >30' To 35', Add	*46.14*	
		For Elevated Installation >35' To 40', Add	*57.68*	
		For Elevated Installation >40', Add	*63.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.61*	

26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*

Note: Erickson fittings.

26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	51.91	19.64
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.83*	
		For Elevated Installation >20' To 25', Add	*12.29*	
		For Elevated Installation >25' To 30', Add	*17.20*	
		For Elevated Installation >30' To 35', Add	*19.66*	
		For Elevated Installation >35' To 40', Add	*24.57*	
		For Elevated Installation >40', Add	*27.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	58.40	21.97
		For Work In Restricted Working Space, Add	*16.46*	
		For Elevated Installation >10' To 15', Add	*5.49*	
		For Elevated Installation >15' To 20', Add	*10.97*	
		For Elevated Installation >20' To 25', Add	*13.71*	
		For Elevated Installation >25' To 30', Add	*19.20*	
		For Elevated Installation >30' To 35', Add	*21.94*	
		For Elevated Installation >35' To 40', Add	*27.43*	
		For Elevated Installation >40', Add	*30.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.46*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	67.64	24.42
		For Work In Restricted Working Space, Add	*18.33*	
		For Elevated Installation >10' To 15', Add	*6.11*	
		For Elevated Installation >15' To 20', Add	*12.22*	
		For Elevated Installation >20' To 25', Add	*15.27*	
		For Elevated Installation >25' To 30', Add	*21.38*	
		For Elevated Installation >30' To 35', Add	*24.44*	
		For Elevated Installation >35' To 40', Add	*30.55*	
		For Elevated Installation >40', Add	*33.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	80.83	26.75
		For Work In Restricted Working Space, Add	*20.06*	
		For Elevated Installation >10' To 15', Add	*6.69*	
		For Elevated Installation >15' To 20', Add	*13.37*	
		For Elevated Installation >20' To 25', Add	*16.71*	
		For Elevated Installation >25' To 30', Add	*23.40*	
		For Elevated Installation >30' To 35', Add	*26.74*	
		For Elevated Installation >35' To 40', Add	*33.43*	
		For Elevated Installation >40', Add	*36.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.06*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	89.90	29.21
		For Work In Restricted Working Space, Add	*21.95*	
		For Elevated Installation >10' To 15', Add	*7.32*	
		For Elevated Installation >15' To 20', Add	*14.63*	
		For Elevated Installation >20' To 25', Add	*18.29*	
		For Elevated Installation >25' To 30', Add	*25.60*	
		For Elevated Installation >30' To 35', Add	*29.26*	
		For Elevated Installation >35' To 40', Add	*36.58*	
		For Elevated Installation >40', Add	*40.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	112.76	31.66
		For Work In Restricted Working Space, Add	*23.76*	
		For Elevated Installation >10' To 15', Add	*7.92*	
		For Elevated Installation >15' To 20', Add	*15.84*	
		For Elevated Installation >20' To 25', Add	*19.80*	
		For Elevated Installation >25' To 30', Add	*27.72*	
		For Elevated Installation >30' To 35', Add	*31.68*	
		For Elevated Installation >35' To 40', Add	*39.61*	
		For Elevated Installation >40', Add	*43.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.76*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	175.88	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	240.66	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	343.77	58.91
		For Work In Restricted Working Space, Add	*44.19*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.46*	
		For Elevated Installation >20' To 25', Add	*36.83*	
		For Elevated Installation >25' To 30', Add	*51.56*	
		For Elevated Installation >30' To 35', Add	*58.92*	
		For Elevated Installation >35' To 40', Add	*73.66*	
		For Elevated Installation >40', Add	*81.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.19*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	390.54	63.81
		For Work In Restricted Working Space, Add	*47.85*	
		For Elevated Installation >10' To 15', Add	*15.95*	
		For Elevated Installation >15' To 20', Add	*31.90*	
		For Elevated Installation >20' To 25', Add	*39.88*	
		For Elevated Installation >25' To 30', Add	*55.83*	
		For Elevated Installation >30' To 35', Add	*63.80*	
		For Elevated Installation >35' To 40', Add	*79.76*	
		For Elevated Installation >40', Add	*87.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.85*	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	670.48	78.54
		For Work In Restricted Working Space, Add	*58.90*	
		For Elevated Installation >10' To 15', Add	*19.63*	
		For Elevated Installation >15' To 20', Add	*39.26*	
		For Elevated Installation >20' To 25', Add	*49.08*	
		For Elevated Installation >25' To 30', Add	*68.71*	
		For Elevated Installation >30' To 35', Add	*78.53*	
		For Elevated Installation >35' To 40', Add	*98.16*	
		For Elevated Installation >40', Add	*107.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.90*	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	859.01	90.81
		For Work In Restricted Working Space, Add	*68.10*	
		For Elevated Installation >10' To 15', Add	*22.70*	
		For Elevated Installation >15' To 20', Add	*45.40*	
		For Elevated Installation >20' To 25', Add	*56.75*	
		For Elevated Installation >25' To 30', Add	*79.45*	
		For Elevated Installation >30' To 35', Add	*90.80*	
		For Elevated Installation >35' To 40', Add	*113.50*	
		For Elevated Installation >40', Add	*124.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.10*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	30.43	9.81
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	33.95	10.79
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.85*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	38.96	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	44.06	13.25
		For Work In Restricted Working Space, Add	*9.94*	
		For Elevated Installation >10' To 15', Add	*3.31*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.28*	
		For Elevated Installation >25' To 30', Add	*11.60*	
		For Elevated Installation >30' To 35', Add	*13.25*	
		For Elevated Installation >35' To 40', Add	*16.57*	
		For Elevated Installation >40', Add	*18.22*	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	52.04	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	63.01	16.20
		For Work In Restricted Working Space, Add	*12.15*	
		For Elevated Installation >10' To 15', Add	*4.05*	
		For Elevated Installation >15' To 20', Add	*8.10*	
		For Elevated Installation >20' To 25', Add	*10.12*	
		For Elevated Installation >25' To 30', Add	*14.17*	
		For Elevated Installation >30' To 35', Add	*16.20*	
		For Elevated Installation >35' To 40', Add	*20.25*	
		For Elevated Installation >40', Add	*22.27*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	85.17	19.64
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	105.40	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	126.61	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	142.68	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	26.97	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	30.06	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	37.14	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	45.59	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	58.73	24.55
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.72*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	68.11	27.61
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.57*	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	83.25	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	111.63	38.66
		For Work In Restricted Working Space, Add	*23.19*	
		For Elevated Installation >10' To 15', Add	*7.73*	
		For Elevated Installation >15' To 20', Add	*15.46*	
		For Elevated Installation >20' To 25', Add	*19.33*	
		For Elevated Installation >25' To 30', Add	*27.06*	
		For Elevated Installation >30' To 35', Add	*30.92*	
		For Elevated Installation >35' To 40', Add	*38.66*	
		For Elevated Installation >40', Add	*42.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	132.66	46.63
		For Work In Restricted Working Space, Add	*27.98*	
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	162.39	55.22
		For Work In Restricted Working Space, Add	*33.13*	
		For Elevated Installation >10' To 15', Add	*11.04*	
		For Elevated Installation >15' To 20', Add	*22.09*	
		For Elevated Installation >20' To 25', Add	*27.61*	
		For Elevated Installation >25' To 30', Add	*38.65*	
		For Elevated Installation >30' To 35', Add	*44.18*	
		For Elevated Installation >35' To 40', Add	*55.22*	
		For Elevated Installation >40', Add	*60.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.13*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	131.52	19.64
		For Work In Restricted Working Space, Add	*14.73*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.64*	
		For Elevated Installation >35' To 40', Add	*24.55*	
		For Elevated Installation >40', Add	*27.00*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	149.32	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	177.13	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	217.45	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	274.02	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.72*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.81*	
		For Elevated Installation >40', Add	*40.49*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	380.35	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.91*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	584.11	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	748.57	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,095.04	58.91
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.91*	
		For Elevated Installation >35' To 40', Add	*73.64*	
		For Elevated Installation >40', Add	*81.00*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,167.12	63.81
		For Work In Restricted Working Space, Add	*47.85*	
		For Elevated Installation >10' To 15', Add	*15.95*	
		For Elevated Installation >15' To 20', Add	*31.90*	
		For Elevated Installation >20' To 25', Add	*39.88*	
		For Elevated Installation >25' To 30', Add	*55.83*	
		For Elevated Installation >30' To 35', Add	*63.80*	
		For Elevated Installation >35' To 40', Add	*79.76*	
		For Elevated Installation >40', Add	*87.73*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,791.03	78.54
		For Work In Restricted Working Space, Add	*58.90*	
		For Elevated Installation >10' To 15', Add	*19.63*	
		For Elevated Installation >15' To 20', Add	*39.27*	
		For Elevated Installation >20' To 25', Add	*49.09*	
		For Elevated Installation >25' To 30', Add	*68.72*	
		For Elevated Installation >30' To 35', Add	*78.54*	
		For Elevated Installation >35' To 40', Add	*98.17*	
		For Elevated Installation >40', Add	*107.99*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	2,201.78	87.13
		For Work In Restricted Working Space, Add	*65.38*	
		For Elevated Installation >10' To 15', Add	*21.79*	
		For Elevated Installation >15' To 20', Add	*43.59*	
		For Elevated Installation >20' To 25', Add	*54.49*	
		For Elevated Installation >25' To 30', Add	*76.28*	
		For Elevated Installation >30' To 35', Add	*87.18*	
		For Elevated Installation >35' To 40', Add	*108.97*	
		For Elevated Installation >40', Add	*119.87*	
26 05 33 13-0395		Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*		
		Note: Type AX-8		
26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	145.30	19.64
		For Work In Restricted Working Space, Add	*14.73*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.64*	
		For Elevated Installation >35' To 40', Add	*24.55*	
		For Elevated Installation >40', Add	*27.00*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	161.53	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	196.29	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	247.62	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	333.98	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.72*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.81*	
		For Elevated Installation >40', Add	*40.49*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	409.00	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.91*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.86*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	769.83	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	875.40	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,345.67	58.91
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.91*	
		For Elevated Installation >35' To 40', Add	*73.64*	
		For Elevated Installation >40', Add	*81.00*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,456.80	63.81
		For Work In Restricted Working Space, Add	*47.85*	
		For Elevated Installation >10' To 15', Add	*15.95*	
		For Elevated Installation >15' To 20', Add	*31.90*	
		For Elevated Installation >20' To 25', Add	*39.88*	
		For Elevated Installation >25' To 30', Add	*55.83*	
		For Elevated Installation >30' To 35', Add	*63.80*	
		For Elevated Installation >35' To 40', Add	*79.76*	
		For Elevated Installation >40', Add	*87.73*	
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,035.22	78.54
		For Work In Restricted Working Space, Add	*58.90*	
		For Elevated Installation >10' To 15', Add	*19.63*	
		For Elevated Installation >15' To 20', Add	*39.27*	
		For Elevated Installation >20' To 25', Add	*49.09*	
		For Elevated Installation >25' To 30', Add	*68.72*	
		For Elevated Installation >30' To 35', Add	*78.54*	
		For Elevated Installation >35' To 40', Add	*98.17*	
		For Elevated Installation >40', Add	*107.99*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,515.94	87.13
		For Work In Restricted Working Space, Add	*65.38*	
		For Elevated Installation >10' To 15', Add	*21.79*	
		For Elevated Installation >15' To 20', Add	*43.59*	
		For Elevated Installation >20' To 25', Add	*54.49*	
		For Elevated Installation >25' To 30', Add	*76.28*	
		For Elevated Installation >30' To 35', Add	*87.18*	
		For Elevated Installation >35' To 40', Add	*108.97*	
		For Elevated Installation >40', Add	*119.87*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*
Note: Type EX

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	165.48	19.64
		For Work In Restricted Working Space, Add	*14.73*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.64*	
		For Elevated Installation >35' To 40', Add	*24.55*	
		For Elevated Installation >40', Add	*27.00*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	209.09	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	260.53	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	317.18	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	428.17	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.72*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.81*	
		For Elevated Installation >40', Add	*40.49*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	591.02	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.91*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.86*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	919.69	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,240.26	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,864.62	58.91
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.91*	
		For Elevated Installation >35' To 40', Add	*73.64*	
		For Elevated Installation >40', Add	*81.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,929.49	63.81
		For Work In Restricted Working Space, Add	*47.85*	
		For Elevated Installation >10' To 15', Add	*15.95*	
		For Elevated Installation >15' To 20', Add	*31.90*	
		For Elevated Installation >20' To 25', Add	*39.88*	
		For Elevated Installation >25' To 30', Add	*55.83*	
		For Elevated Installation >30' To 35', Add	*63.80*	
		For Elevated Installation >35' To 40', Add	*79.76*	
		For Elevated Installation >40', Add	*87.73*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,906.53	78.54
		For Work In Restricted Working Space, Add	*58.90*	
		For Elevated Installation >10' To 15', Add	*19.63*	
		For Elevated Installation >15' To 20', Add	*39.27*	
		For Elevated Installation >20' To 25', Add	*49.09*	
		For Elevated Installation >25' To 30', Add	*68.72*	
		For Elevated Installation >30' To 35', Add	*78.54*	
		For Elevated Installation >35' To 40', Add	*98.17*	
		For Elevated Installation >40', Add	*107.99*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,604.81	87.13
		For Work In Restricted Working Space, Add	*65.38*	
		For Elevated Installation >10' To 15', Add	*21.79*	
		For Elevated Installation >15' To 20', Add	*43.59*	
		For Elevated Installation >20' To 25', Add	*54.49*	
		For Elevated Installation >25' To 30', Add	*76.28*	
		For Elevated Installation >30' To 35', Add	*87.18*	
		For Elevated Installation >35' To 40', Add	*108.97*	
		For Elevated Installation >40', Add	*119.87*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	289.85	19.64
		For Work In Restricted Working Space, Add	*14.73*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.64*	
		For Elevated Installation >35' To 40', Add	*24.55*	
		For Elevated Installation >40', Add	*27.00*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	345.49	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	417.94	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	491.59	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	543.68	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.72*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.81*	
		For Elevated Installation >40', Add	*40.49*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	672.59	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.91*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	889.40	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,128.03	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,268.73	58.91
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.91*	
		For Elevated Installation >35' To 40', Add	*73.64*	
		For Elevated Installation >40', Add	*81.00*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,539.59	63.81
		For Work In Restricted Working Space, Add	*47.85*	
		For Elevated Installation >10' To 15', Add	*15.95*	
		For Elevated Installation >15' To 20', Add	*31.90*	
		For Elevated Installation >20' To 25', Add	*39.88*	
		For Elevated Installation >25' To 30', Add	*55.83*	
		For Elevated Installation >30' To 35', Add	*63.80*	
		For Elevated Installation >35' To 40', Add	*79.76*	
		For Elevated Installation >40', Add	*87.73*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,637.67	78.54
		For Work In Restricted Working Space, Add	*58.90*	
		For Elevated Installation >10' To 15', Add	*19.63*	
		For Elevated Installation >15' To 20', Add	*39.27*	
		For Elevated Installation >20' To 25', Add	*49.09*	
		For Elevated Installation >25' To 30', Add	*68.72*	
		For Elevated Installation >30' To 35', Add	*78.54*	
		For Elevated Installation >35' To 40', Add	*98.17*	
		For Elevated Installation >40', Add	*107.99*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	4,199.41	87.13
		For Work In Restricted Working Space, Add	*65.38*	
		For Elevated Installation >10' To 15', Add	*21.79*	
		For Elevated Installation >15' To 20', Add	*43.59*	
		For Elevated Installation >20' To 25', Add	*54.49*	
		For Elevated Installation >25' To 30', Add	*76.28*	
		For Elevated Installation >30' To 35', Add	*87.18*	
		For Elevated Installation >35' To 40', Add	*108.97*	
		For Elevated Installation >40', Add	*119.87*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	74.19	9.81
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	85.33	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	105.26	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	147.99	19.64
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	224.26	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	384.36	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	82.69	9.81
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	96.08	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	115.09	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	161.05	19.64
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	241.59	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	440.25	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	102.13	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	121.52	36.81
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.09*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	147.44	42.95
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	172.91	49.08
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	222.96	55.22
		For Work In Restricted Working Space, Add	*33.13*	
		For Elevated Installation >10' To 15', Add	*11.04*	
		For Elevated Installation >15' To 20', Add	*22.09*	
		For Elevated Installation >20' To 25', Add	*27.61*	
		For Elevated Installation >25' To 30', Add	*38.65*	
		For Elevated Installation >30' To 35', Add	*44.18*	
		For Elevated Installation >35' To 40', Add	*55.22*	
		For Elevated Installation >40', Add	*60.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.13*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	268.49	61.36
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	373.76	73.63
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.90*	
		For Elevated Installation >35' To 40', Add	*73.63*	
		For Elevated Installation >40', Add	*80.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.18*	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	448.47	85.90
		For Work In Restricted Working Space, Add	*51.54*	
		For Elevated Installation >10' To 15', Add	*17.18*	
		For Elevated Installation >15' To 20', Add	*34.36*	
		For Elevated Installation >20' To 25', Add	*42.95*	
		For Elevated Installation >25' To 30', Add	*60.13*	
		For Elevated Installation >30' To 35', Add	*68.72*	
		For Elevated Installation >35' To 40', Add	*85.90*	
		For Elevated Installation >40', Add	*94.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	994.31	98.17
		For Work In Restricted Working Space, Add	*58.90*	
		For Elevated Installation >10' To 15', Add	*19.63*	
		For Elevated Installation >15' To 20', Add	*39.27*	
		For Elevated Installation >20' To 25', Add	*49.09*	
		For Elevated Installation >25' To 30', Add	*68.72*	
		For Elevated Installation >30' To 35', Add	*78.54*	
		For Elevated Installation >35' To 40', Add	*98.17*	
		For Elevated Installation >40', Add	*107.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.90*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,144.41	110.44
		For Work In Restricted Working Space, Add	*66.26*	
		For Elevated Installation >10' To 15', Add	*22.09*	
		For Elevated Installation >15' To 20', Add	*44.18*	
		For Elevated Installation >20' To 25', Add	*55.22*	
		For Elevated Installation >25' To 30', Add	*77.31*	
		For Elevated Installation >30' To 35', Add	*88.35*	
		For Elevated Installation >35' To 40', Add	*110.44*	
		For Elevated Installation >40', Add	*121.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.26*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	16.17	7.37
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	22.68	10.43
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	29.76	13.50
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	34.18	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	41.19	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	48.26	20.86
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.87*	
		For Elevated Installation >40', Add	*22.95*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	61.29	23.31
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	71.82	26.38
		For Work In Restricted Working Space, Add	*15.83*	
		For Elevated Installation >10' To 15', Add	*5.28*	
		For Elevated Installation >15' To 20', Add	*10.55*	
		For Elevated Installation >20' To 25', Add	*13.19*	
		For Elevated Installation >25' To 30', Add	*18.47*	
		For Elevated Installation >30' To 35', Add	*21.10*	
		For Elevated Installation >35' To 40', Add	*26.38*	
		For Elevated Installation >40', Add	*29.02*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	83.42	28.84
		For Work In Restricted Working Space, Add	*17.30*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	88.18	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	

26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	3.74	1.22
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	5.16	1.84
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	8.57	3.07
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	12.40	4.30
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	14.84	4.91
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	17.46	5.52

26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0060)*

26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	199.67	14.89
		For Work In Restricted Working Space, Add	*11.17*	
		For Elevated Installation >10' To 15', Add	*3.72*	
		For Elevated Installation >15' To 20', Add	*7.45*	
		For Elevated Installation >20' To 25', Add	*9.31*	
		For Elevated Installation >25' To 30', Add	*13.03*	
		For Elevated Installation >30' To 35', Add	*14.89*	
		For Elevated Installation >35' To 40', Add	*18.62*	
		For Elevated Installation >40', Add	*20.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	203.26	16.32
		For Work In Restricted Working Space, Add	*12.25*	
		For Elevated Installation >10' To 15', Add	*4.08*	
		For Elevated Installation >15' To 20', Add	*8.16*	
		For Elevated Installation >20' To 25', Add	*10.21*	
		For Elevated Installation >25' To 30', Add	*14.29*	
		For Elevated Installation >30' To 35', Add	*16.33*	
		For Elevated Installation >35' To 40', Add	*20.41*	
		For Elevated Installation >40', Add	*22.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	243.51	17.91
		For Work In Restricted Working Space, Add	*13.41*	
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.94*	
		For Elevated Installation >20' To 25', Add	*11.18*	
		For Elevated Installation >25' To 30', Add	*15.65*	
		For Elevated Installation >30' To 35', Add	*17.88*	
		For Elevated Installation >35' To 40', Add	*22.35*	
		For Elevated Installation >40', Add	*24.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.41*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	267.33	19.64
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.28*	
		For Elevated Installation >25' To 30', Add	*17.19*	
		For Elevated Installation >30' To 35', Add	*19.65*	
		For Elevated Installation >35' To 40', Add	*24.56*	
		For Elevated Installation >40', Add	*27.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	304.95	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.57*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	449.32	24.55
		For Work In Restricted Working Space, Add	*18.42*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.28*	
		For Elevated Installation >20' To 25', Add	*15.35*	
		For Elevated Installation >25' To 30', Add	*21.49*	
		For Elevated Installation >30' To 35', Add	*24.56*	
		For Elevated Installation >35' To 40', Add	*30.70*	
		For Elevated Installation >40', Add	*33.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.42*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	518.28	32.77
		For Work In Restricted Working Space, Add	*24.56*	
		For Elevated Installation >10' To 15', Add	*8.19*	
		For Elevated Installation >15' To 20', Add	*16.37*	
		For Elevated Installation >20' To 25', Add	*20.47*	
		For Elevated Installation >25' To 30', Add	*28.65*	
		For Elevated Installation >30' To 35', Add	*32.74*	
		For Elevated Installation >35' To 40', Add	*40.93*	
		For Elevated Installation >40', Add	*45.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.56*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	574.86	35.95
		For Work In Restricted Working Space, Add	*26.99*	
		For Elevated Installation >10' To 15', Add	*9.00*	
		For Elevated Installation >15' To 20', Add	*17.99*	
		For Elevated Installation >20' To 25', Add	*22.49*	
		For Elevated Installation >25' To 30', Add	*31.48*	
		For Elevated Installation >30' To 35', Add	*35.98*	
		For Elevated Installation >35' To 40', Add	*44.98*	
		For Elevated Installation >40', Add	*49.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.99*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	667.96	39.27
		For Work In Restricted Working Space, Add	*29.46*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.64*	
		For Elevated Installation >20' To 25', Add	*24.55*	
		For Elevated Installation >25' To 30', Add	*34.37*	
		For Elevated Installation >30' To 35', Add	*39.28*	
		For Elevated Installation >35' To 40', Add	*49.10*	
		For Elevated Installation >40', Add	*54.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.46*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	752.94	44.17
		For Work In Restricted Working Space, Add	*33.13*	
		For Elevated Installation >10' To 15', Add	*11.04*	
		For Elevated Installation >15' To 20', Add	*22.09*	
		For Elevated Installation >20' To 25', Add	*27.61*	
		For Elevated Installation >25' To 30', Add	*38.65*	
		For Elevated Installation >30' To 35', Add	*44.18*	
		For Elevated Installation >35' To 40', Add	*55.22*	
		For Elevated Installation >40', Add	*60.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.13*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,007.66	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,251.50	54.49
		For Work In Restricted Working Space, Add	*40.86*	
		For Elevated Installation >10' To 15', Add	*13.62*	
		For Elevated Installation >15' To 20', Add	*27.24*	
		For Elevated Installation >20' To 25', Add	*34.05*	
		For Elevated Installation >25' To 30', Add	*47.67*	
		For Elevated Installation >30' To 35', Add	*54.48*	
		For Elevated Installation >35' To 40', Add	*68.11*	
		For Elevated Installation >40', Add	*74.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.86*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	20.01	9.51
		For Work In Restricted Working Space, Add	*5.71*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.76*	
		For Elevated Installation >25' To 30', Add	*6.66*	
		For Elevated Installation >30' To 35', Add	*7.61*	
		For Elevated Installation >35' To 40', Add	*9.51*	
		For Elevated Installation >40', Add	*10.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.71*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	22.07	10.12
		For Work In Restricted Working Space, Add	*6.08*	
		For Elevated Installation >10' To 15', Add	*2.03*	
		For Elevated Installation >15' To 20', Add	*4.05*	
		For Elevated Installation >20' To 25', Add	*5.06*	
		For Elevated Installation >25' To 30', Add	*7.09*	
		For Elevated Installation >30' To 35', Add	*8.10*	
		For Elevated Installation >35' To 40', Add	*10.13*	
		For Elevated Installation >40', Add	*11.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.08*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	22.68	10.43
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.26*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	26.20	10.73
		For Work In Restricted Working Space, Add	*6.44*	
		For Elevated Installation >10' To 15', Add	*2.15*	
		For Elevated Installation >15' To 20', Add	*4.30*	
		For Elevated Installation >20' To 25', Add	*5.37*	
		For Elevated Installation >25' To 30', Add	*7.52*	
		For Elevated Installation >30' To 35', Add	*8.59*	
		For Elevated Installation >35' To 40', Add	*10.74*	
		For Elevated Installation >40', Add	*11.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.44*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	26.81	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	28.03	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	30.27	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	30.88	12.58
		For Work In Restricted Working Space, Add	*7.55*	
		For Elevated Installation >10' To 15', Add	*2.52*	
		For Elevated Installation >15' To 20', Add	*5.03*	
		For Elevated Installation >20' To 25', Add	*6.29*	
		For Elevated Installation >25' To 30', Add	*8.81*	
		For Elevated Installation >30' To 35', Add	*10.06*	
		For Elevated Installation >35' To 40', Add	*12.58*	
		For Elevated Installation >40', Add	*13.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	32.10	13.19
		For Work In Restricted Working Space, Add	*7.91*	
		For Elevated Installation >10' To 15', Add	*2.64*	
		For Elevated Installation >15' To 20', Add	*5.28*	
		For Elevated Installation >20' To 25', Add	*6.60*	
		For Elevated Installation >25' To 30', Add	*9.23*	
		For Elevated Installation >30' To 35', Add	*10.55*	
		For Elevated Installation >35' To 40', Add	*13.19*	
		For Elevated Installation >40', Add	*14.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.91*	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	33.33	13.80
		For Work In Restricted Working Space, Add	*8.28*	
		For Elevated Installation >10' To 15', Add	*2.76*	
		For Elevated Installation >15' To 20', Add	*5.52*	
		For Elevated Installation >20' To 25', Add	*6.90*	
		For Elevated Installation >25' To 30', Add	*9.66*	
		For Elevated Installation >30' To 35', Add	*11.04*	
		For Elevated Installation >35' To 40', Add	*13.81*	
		For Elevated Installation >40', Add	*15.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.28*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	40.17	13.80
		For Work In Restricted Working Space, Add	*8.28*	
		For Elevated Installation >10' To 15', Add	*2.76*	
		For Elevated Installation >15' To 20', Add	*5.52*	
		For Elevated Installation >20' To 25', Add	*6.90*	
		For Elevated Installation >25' To 30', Add	*9.66*	
		For Elevated Installation >30' To 35', Add	*11.04*	
		For Elevated Installation >35' To 40', Add	*13.81*	
		For Elevated Installation >40', Add	*15.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.28*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	40.78	14.11
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15', Add	*2.82*	
		For Elevated Installation >15' To 20', Add	*5.64*	
		For Elevated Installation >20' To 25', Add	*7.06*	
		For Elevated Installation >25' To 30', Add	*9.88*	
		For Elevated Installation >30' To 35', Add	*11.29*	
		For Elevated Installation >35' To 40', Add	*14.11*	
		For Elevated Installation >40', Add	*15.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	42.01	14.72
		For Work In Restricted Working Space, Add	*8.84*	
		For Elevated Installation >10' To 15', Add	*2.95*	
		For Elevated Installation >15' To 20', Add	*5.89*	
		For Elevated Installation >20' To 25', Add	*7.36*	
		For Elevated Installation >25' To 30', Add	*10.31*	
		For Elevated Installation >30' To 35', Add	*11.78*	
		For Elevated Installation >35' To 40', Add	*14.73*	
		For Elevated Installation >40', Add	*16.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	43.24	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	46.31	16.87
		For Work In Restricted Working Space, Add	*10.13*	
		For Elevated Installation >10' To 15', Add	*3.38*	
		For Elevated Installation >15' To 20', Add	*6.75*	
		For Elevated Installation >20' To 25', Add	*8.44*	
		For Elevated Installation >25' To 30', Add	*11.81*	
		For Elevated Installation >30' To 35', Add	*13.50*	
		For Elevated Installation >35' To 40', Add	*16.88*	
		For Elevated Installation >40', Add	*18.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.13*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	58.49	19.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.55	1.22
		For Work In Restricted Working Space, Add	*0.74*	
		For Elevated Installation >10' To 15', Add	*0.25*	
		For Elevated Installation >15' To 20', Add	*0.49*	
		For Elevated Installation >20' To 25', Add	*0.62*	
		For Elevated Installation >25' To 30', Add	*0.86*	
		For Elevated Installation >30' To 35', Add	*0.98*	
		For Elevated Installation >35' To 40', Add	*1.23*	
		For Elevated Installation >40', Add	*1.35*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.81	1.84
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.74*	
		For Elevated Installation >20' To 25', Add	*0.92*	
		For Elevated Installation >25' To 30', Add	*1.29*	
		For Elevated Installation >30' To 35', Add	*1.47*	
		For Elevated Installation >35' To 40', Add	*1.84*	
		For Elevated Installation >40', Add	*2.02*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	6.34	3.07
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	8.94	4.30
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	10.26	4.91
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.91*	
		For Elevated Installation >40', Add	*5.40*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	11.61	5.52
		For Work In Restricted Working Space, Add	*3.32*	
		For Elevated Installation >10' To 15', Add	*1.11*	
		For Elevated Installation >15' To 20', Add	*2.21*	
		For Elevated Installation >20' To 25', Add	*2.76*	
		For Elevated Installation >25' To 30', Add	*3.87*	
		For Elevated Installation >30' To 35', Add	*4.42*	
		For Elevated Installation >35' To 40', Add	*5.53*	
		For Elevated Installation >40', Add	*6.08*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	16.21	7.37
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	20.04	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	23.59	10.43
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	26.45	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	

26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.82	1.22
		For Work In Restricted Working Space, Add	*0.74*	
		For Elevated Installation >10' To 15', Add	*0.25*	
		For Elevated Installation >15' To 20', Add	*0.49*	
		For Elevated Installation >20' To 25', Add	*0.62*	
		For Elevated Installation >25' To 30', Add	*0.86*	
		For Elevated Installation >30' To 35', Add	*0.98*	
		For Elevated Installation >35' To 40', Add	*1.23*	
		For Elevated Installation >40', Add	*1.35*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.31	1.84
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15', Add	*0.37*	
		For Elevated Installation >15' To 20', Add	*0.74*	
		For Elevated Installation >20' To 25', Add	*0.92*	
		For Elevated Installation >25' To 30', Add	*1.29*	
		For Elevated Installation >30' To 35', Add	*1.47*	
		For Elevated Installation >35' To 40', Add	*1.84*	
		For Elevated Installation >40', Add	*2.02*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.47	3.07
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.84	4.30
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.37	4.91
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.91*	
		For Elevated Installation >40', Add	*5.40*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.70	5.52
		For Work In Restricted Working Space, Add	*3.32*	
		For Elevated Installation >10' To 15', Add	*1.11*	
		For Elevated Installation >15' To 20', Add	*2.21*	
		For Elevated Installation >20' To 25', Add	*2.76*	
		For Elevated Installation >25' To 30', Add	*3.87*	
		For Elevated Installation >30' To 35', Add	*4.42*	
		For Elevated Installation >35' To 40', Add	*5.53*	
		For Elevated Installation >40', Add	*6.08*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	23.35	7.37
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	29.36	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	38.65	10.43
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	46.26	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.77	3.68
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	13.51	4.91
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.91*	
		For Elevated Installation >40', Add	*5.40*	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	17.25	6.13
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	25.20	9.81
		For Work In Restricted Working Space, Add	*5.89*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.93*	
		For Elevated Installation >20' To 25', Add	*4.91*	
		For Elevated Installation >25' To 30', Add	*6.87*	
		For Elevated Installation >30' To 35', Add	*7.86*	
		For Elevated Installation >35' To 40', Add	*9.82*	
		For Elevated Installation >40', Add	*10.80*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	28.38	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	32.26	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	44.35	14.72
		For Work In Restricted Working Space, Add	*8.84*	
		For Elevated Installation >10' To 15', Add	*2.95*	
		For Elevated Installation >15' To 20', Add	*5.89*	
		For Elevated Installation >20' To 25', Add	*7.36*	
		For Elevated Installation >25' To 30', Add	*10.31*	
		For Elevated Installation >30' To 35', Add	*11.78*	
		For Elevated Installation >35' To 40', Add	*14.73*	
		For Elevated Installation >40', Add	*16.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	53.88	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	66.71	24.55
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	81.29	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	

26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*

26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	26.06	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	30.94	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	40.67	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	55.61	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	75.11	24.55
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	111.31	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	188.85	36.81
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	238.66	42.95
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	303.93	52.15
		For Work In Restricted Working Space, Add	*31.29*	
		For Elevated Installation >10' To 15', Add	*10.43*	
		For Elevated Installation >15' To 20', Add	*20.86*	
		For Elevated Installation >20' To 25', Add	*26.08*	
		For Elevated Installation >25' To 30', Add	*36.51*	
		For Elevated Installation >30' To 35', Add	*41.72*	
		For Elevated Installation >35' To 40', Add	*52.16*	
		For Elevated Installation >40', Add	*57.37*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	367.09	61.36
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	37.09	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	47.09	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	67.00	24.55
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	87.89	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	108.17	36.81
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	161.44	42.95
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	257.28	49.08
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	295.47	42.34
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.87*	
		For Elevated Installation >35' To 40', Add	*42.34*	
		For Elevated Installation >40', Add	*46.57*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	406.35	64.43
		For Work In Restricted Working Space, Add	*38.66*	
		For Elevated Installation >10' To 15', Add	*12.89*	
		For Elevated Installation >15' To 20', Add	*25.77*	
		For Elevated Installation >20' To 25', Add	*32.21*	
		For Elevated Installation >25' To 30', Add	*45.10*	
		For Elevated Installation >30' To 35', Add	*51.54*	
		For Elevated Installation >35' To 40', Add	*64.43*	
		For Elevated Installation >40', Add	*70.87*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	502.34	73.63
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.90*	
		For Elevated Installation >35' To 40', Add	*73.63*	
		For Elevated Installation >40', Add	*80.99*	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	6.42	3.07
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.75	3.68
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	9.19	4.30
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.84	5.52
		For Work In Restricted Working Space, Add	*3.32*	
		For Elevated Installation >10' To 15', Add	*1.11*	
		For Elevated Installation >15' To 20', Add	*2.21*	
		For Elevated Installation >20' To 25', Add	*2.76*	
		For Elevated Installation >25' To 30', Add	*3.87*	
		For Elevated Installation >30' To 35', Add	*4.42*	
		For Elevated Installation >35' To 40', Add	*5.53*	
		For Elevated Installation >40', Add	*6.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	13.37	6.13
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	16.26	7.37
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.86	3.07
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	9.38	3.68
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	11.37	4.30
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	14.62	5.52
		For Work In Restricted Working Space, Add	*3.32*	
		For Elevated Installation >10' To 15', Add	*1.11*	
		For Elevated Installation >15' To 20', Add	*2.21*	
		For Elevated Installation >20' To 25', Add	*2.76*	
		For Elevated Installation >25' To 30', Add	*3.87*	
		For Elevated Installation >30' To 35', Add	*4.42*	
		For Elevated Installation >35' To 40', Add	*5.53*	
		For Elevated Installation >40', Add	*6.08*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	17.97	6.13
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	21.73	7.37
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	26.66	9.20
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	31.17	10.43
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	37.83	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	44.40	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15', Add	*2.58*	
		For Elevated Installation >15' To 20', Add	*5.15*	
		For Elevated Installation >20' To 25', Add	*6.44*	
		For Elevated Installation >25' To 30', Add	*9.02*	
		For Elevated Installation >30' To 35', Add	*10.31*	
		For Elevated Installation >35' To 40', Add	*12.89*	
		For Elevated Installation >40', Add	*14.17*	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*

26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	15.16	7.37
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	17.92	8.59
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.44*	
		For Elevated Installation >20' To 25', Add	*4.30*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.87*	
		For Elevated Installation >35' To 40', Add	*8.59*	
		For Elevated Installation >40', Add	*9.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	22.47	10.43
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.26*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	27.35	12.27
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	34.28	15.34
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	42.66	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	54.07	21.48
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	60.49	24.55
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.72*	
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	75.39	27.61
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.57*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	103.62	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	29.76	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	34.57	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15', Add	*2.58*	
		For Elevated Installation >15' To 20', Add	*5.15*	
		For Elevated Installation >20' To 25', Add	*6.44*	
		For Elevated Installation >25' To 30', Add	*9.02*	
		For Elevated Installation >30' To 35', Add	*10.31*	
		For Elevated Installation >35' To 40', Add	*12.89*	
		For Elevated Installation >40', Add	*14.17*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	44.06	14.72
		For Work In Restricted Working Space, Add	*8.84*	
		For Elevated Installation >10' To 15', Add	*2.95*	
		For Elevated Installation >15' To 20', Add	*5.89*	
		For Elevated Installation >20' To 25', Add	*7.36*	
		For Elevated Installation >25' To 30', Add	*10.31*	
		For Elevated Installation >30' To 35', Add	*11.78*	
		For Elevated Installation >35' To 40', Add	*14.73*	
		For Elevated Installation >40', Add	*16.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	56.48	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	75.40	22.09
		For Work In Restricted Working Space, Add	*13.25*	
		For Elevated Installation >10' To 15', Add	*4.42*	
		For Elevated Installation >15' To 20', Add	*8.83*	
		For Elevated Installation >20' To 25', Add	*11.04*	
		For Elevated Installation >25' To 30', Add	*15.46*	
		For Elevated Installation >30' To 35', Add	*17.67*	
		For Elevated Installation >35' To 40', Add	*22.09*	
		For Elevated Installation >40', Add	*24.29*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	100.97	25.77
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15', Add	*5.15*	
		For Elevated Installation >15' To 20', Add	*10.31*	
		For Elevated Installation >20' To 25', Add	*12.89*	
		For Elevated Installation >25' To 30', Add	*18.04*	
		For Elevated Installation >30' To 35', Add	*20.62*	
		For Elevated Installation >35' To 40', Add	*25.77*	
		For Elevated Installation >40', Add	*28.35*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	140.51	29.45
		For Work In Restricted Working Space, Add	*17.67*	
		For Elevated Installation >10' To 15', Add	*5.89*	
		For Elevated Installation >15' To 20', Add	*11.78*	
		For Elevated Installation >20' To 25', Add	*14.73*	
		For Elevated Installation >25' To 30', Add	*20.62*	
		For Elevated Installation >30' To 35', Add	*23.56*	
		For Elevated Installation >35' To 40', Add	*29.46*	
		For Elevated Installation >40', Add	*32.40*	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	246.49	36.81
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	6.26	2.21
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000, Deduct	*-0.49*	
		For Installation In Metal Stud Wall, Add	*0.55*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.38*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.83*	
		For Work In Restricted Working Space, Add	*1.66*	
		For Elevated Installation >10' To 15', Add	*0.55*	
		For Elevated Installation >15' To 20', Add	*1.10*	
		For Elevated Installation >20' To 25', Add	*1.38*	
		For Elevated Installation >25' To 30', Add	*1.93*	
		For Elevated Installation >30' To 35', Add	*2.21*	
		For Elevated Installation >35' To 40', Add	*2.76*	
		For Elevated Installation >40', Add	*3.04*	
		For Factory Applied Color Coating, Add	*0.22*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	7.29	2.46
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.58*	
		For Installation In Metal Stud Wall, Add	*0.61*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.53*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.92*	
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	
		For Factory Applied Color Coating, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	8.69	2.70
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.70*	
		For Installation In Metal Stud Wall, Add	*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.69*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.35*	
		For Elevated Installation >20' To 25', Add	*1.69*	
		For Elevated Installation >25' To 30', Add	*2.36*	
		For Elevated Installation >30' To 35', Add	*2.70*	
		For Elevated Installation >35' To 40', Add	*3.38*	
		For Elevated Installation >40', Add	*3.71*	
		For Factory Applied Color Coating, Add	*0.58*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	10.67	3.05
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.88*	
		For Installation In Metal Stud Wall, Add	*0.76*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.90*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.28*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.52*	
		For Elevated Installation >20' To 25', Add	*1.90*	
		For Elevated Installation >25' To 30', Add	*2.66*	
		For Elevated Installation >30' To 35', Add	*3.04*	
		For Elevated Installation >35' To 40', Add	*3.81*	
		For Elevated Installation >40', Add	*4.19*	
		For Factory Applied Color Coating, Add	*0.92*	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	12.40	3.44
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000, Deduct	*-1.03*	
		For Installation In Metal Stud Wall, Add	*0.86*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.29*	
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
		For Factory Applied Color Coating, Add	*1.14*	
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	14.33	3.93
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.19*	
		For Installation In Metal Stud Wall, Add	*0.98*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.45*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.91*	
		For Elevated Installation >40', Add	*5.40*	
		For Factory Applied Color Coating, Add	*1.36*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	18.35	4.66
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.54*	
		For Installation In Metal Stud Wall, Add	*1.17*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.92*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.75*	
		For Work In Restricted Working Space, Add	*3.50*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.33*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.08*	
		For Elevated Installation >30' To 35', Add	*4.66*	
		For Elevated Installation >35' To 40', Add	*5.83*	
		For Elevated Installation >40', Add	*6.41*	
		For Factory Applied Color Coating, Add	*2.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	21.88	5.40
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000, Deduct	*-1.85*	
		For Installation In Metal Stud Wall, Add	*1.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.38*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.03*	
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
		For Factory Applied Color Coating, Add	*2.51*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	27.15	6.38
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000, Deduct	*-2.32*	
		For Installation In Metal Stud Wall, Add	*1.60*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.99*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.39*	
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.59*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.78*	
		For Factory Applied Color Coating, Add	*3.36*	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	36.15	9.41
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000, Deduct	*-3.03*	
		For Installation In Metal Stud Wall, Add	*2.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.89*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.53*	
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15', Add	*2.35*	
		For Elevated Installation >15' To 20', Add	*4.71*	
		For Elevated Installation >20' To 25', Add	*5.89*	
		For Elevated Installation >25' To 30', Add	*8.24*	
		For Elevated Installation >30' To 35', Add	*9.42*	
		For Elevated Installation >35' To 40', Add	*11.77*	
		For Elevated Installation >40', Add	*12.95*	
		For Factory Applied Color Coating, Add	*3.78*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	15.75	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	16.71	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	20.31	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.44*	
		For Elevated Installation >20' To 25', Add	*4.30*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.87*	
		For Elevated Installation >35' To 40', Add	*8.59*	
		For Elevated Installation >40', Add	*9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	22.31	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	26.47	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	34.69	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15', Add	*2.82*	
		For Elevated Installation >15' To 20', Add	*5.64*	
		For Elevated Installation >20' To 25', Add	*7.06*	
		For Elevated Installation >25' To 30', Add	*9.88*	
		For Elevated Installation >30' To 35', Add	*11.29*	
		For Elevated Installation >35' To 40', Add	*14.11*	
		For Elevated Installation >40', Add	*15.52*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	46.21	12.76
		For Work In Restricted Working Space, Add	*9.57*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.98*	
		For Elevated Installation >25' To 30', Add	*11.17*	
		For Elevated Installation >30' To 35', Add	*12.76*	
		For Elevated Installation >35' To 40', Add	*15.95*	
		For Elevated Installation >40', Add	*17.55*	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	58.69	14.23
		For Work In Restricted Working Space, Add	*10.68*	
		For Elevated Installation >10' To 15', Add	*3.56*	
		For Elevated Installation >15' To 20', Add	*7.12*	
		For Elevated Installation >20' To 25', Add	*8.90*	
		For Elevated Installation >25' To 30', Add	*12.46*	
		For Elevated Installation >30' To 35', Add	*14.24*	
		For Elevated Installation >35' To 40', Add	*17.80*	
		For Elevated Installation >40', Add	*19.57*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	66.60	15.71
		For Work In Restricted Working Space, Add	*11.78*	
		For Elevated Installation >10' To 15', Add	*3.93*	
		For Elevated Installation >15' To 20', Add	*7.85*	
		For Elevated Installation >20' To 25', Add	*9.82*	
		For Elevated Installation >25' To 30', Add	*13.74*	
		For Elevated Installation >30' To 35', Add	*15.71*	
		For Elevated Installation >35' To 40', Add	*19.64*	
		For Elevated Installation >40', Add	*21.60*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	140.14	41.19
		For Work In Restricted Working Space, Add	*30.90*	
		For Elevated Installation >10' To 15', Add	*10.30*	
		For Elevated Installation >15' To 20', Add	*20.60*	
		For Elevated Installation >20' To 25', Add	*25.75*	
		For Elevated Installation >25' To 30', Add	*36.05*	
		For Elevated Installation >30' To 35', Add	*41.20*	
		For Elevated Installation >35' To 40', Add	*51.50*	
		For Elevated Installation >40', Add	*56.64*	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	15.50	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	16.86	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	20.63	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.44*	
		For Elevated Installation >20' To 25', Add	*4.30*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.87*	
		For Elevated Installation >35' To 40', Add	*8.59*	
		For Elevated Installation >40', Add	*9.45*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	22.90	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	27.23	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	34.45	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15', Add	*2.82*	
		For Elevated Installation >15' To 20', Add	*5.64*	
		For Elevated Installation >20' To 25', Add	*7.06*	
		For Elevated Installation >25' To 30', Add	*9.88*	
		For Elevated Installation >30' To 35', Add	*11.29*	
		For Elevated Installation >35' To 40', Add	*14.11*	
		For Elevated Installation >40', Add	*15.52*	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	48.40	12.76
		For Work In Restricted Working Space, Add	*9.57*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.98*	
		For Elevated Installation >25' To 30', Add	*11.17*	
		For Elevated Installation >30' To 35', Add	*12.76*	
		For Elevated Installation >35' To 40', Add	*15.95*	
		For Elevated Installation >40', Add	*17.55*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	60.43	14.23
		For Work In Restricted Working Space, Add	*10.68*	
		For Elevated Installation >10' To 15', Add	*3.56*	
		For Elevated Installation >15' To 20', Add	*7.12*	
		For Elevated Installation >20' To 25', Add	*8.90*	
		For Elevated Installation >25' To 30', Add	*12.46*	
		For Elevated Installation >30' To 35', Add	*14.24*	
		For Elevated Installation >35' To 40', Add	*17.80*	
		For Elevated Installation >40', Add	*19.57*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	71.32	15.71
		For Work In Restricted Working Space, Add	*11.78*	
		For Elevated Installation >10' To 15', Add	*3.93*	
		For Elevated Installation >15' To 20', Add	*7.85*	
		For Elevated Installation >20' To 25', Add	*9.82*	
		For Elevated Installation >25' To 30', Add	*13.74*	
		For Elevated Installation >30' To 35', Add	*15.71*	
		For Elevated Installation >35' To 40', Add	*19.64*	
		For Elevated Installation >40', Add	*21.60*	
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	136.83	41.19
		For Work In Restricted Working Space, Add	*30.90*	
		For Elevated Installation >10' To 15', Add	*10.30*	
		For Elevated Installation >15' To 20', Add	*20.60*	
		For Elevated Installation >20' To 25', Add	*25.75*	
		For Elevated Installation >25' To 30', Add	*36.05*	
		For Elevated Installation >30' To 35', Add	*41.20*	
		For Elevated Installation >35' To 40', Add	*51.50*	
		For Elevated Installation >40', Add	*56.64*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.39	2.95
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.74	2.95
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.94*	
		For Elevated Installation >35' To 40', Add	*3.68*	
		For Elevated Installation >40', Add	*4.05*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.17	3.44
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	12.31	4.42
		For Work In Restricted Working Space, Add	*3.32*	
		For Elevated Installation >10' To 15', Add	*1.11*	
		For Elevated Installation >15' To 20', Add	*2.21*	
		For Elevated Installation >20' To 25', Add	*2.76*	
		For Elevated Installation >25' To 30', Add	*3.87*	
		For Elevated Installation >30' To 35', Add	*4.42*	
		For Elevated Installation >35' To 40', Add	*5.53*	
		For Elevated Installation >40', Add	*6.08*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	15.17	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	20.62	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	28.44	9.81
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	36.72	11.29
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	41.60	12.27
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	119.02	34.13
		For Work In Restricted Working Space, Add	*33.15*	
		For Elevated Installation >10' To 15', Add	*11.05*	
		For Elevated Installation >15' To 20', Add	*22.10*	
		For Elevated Installation >20' To 25', Add	*27.62*	
		For Elevated Installation >25' To 30', Add	*38.67*	
		For Elevated Installation >30' To 35', Add	*44.20*	
		For Elevated Installation >35' To 40', Add	*55.25*	
		For Elevated Installation >40', Add	*60.77*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	8.01	2.95
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	9.29	3.44
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	13.25	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	16.76	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	20.05	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.44*	
		For Elevated Installation >20' To 25', Add	*4.30*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.87*	
		For Elevated Installation >35' To 40', Add	*8.59*	
		For Elevated Installation >40', Add	*9.45*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	26.61	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	41.26	11.78
		For Work In Restricted Working Space, Add	*8.84*	
		For Elevated Installation >10' To 15', Add	*2.95*	
		For Elevated Installation >15' To 20', Add	*5.89*	
		For Elevated Installation >20' To 25', Add	*7.36*	
		For Elevated Installation >25' To 30', Add	*10.31*	
		For Elevated Installation >30' To 35', Add	*11.78*	
		For Elevated Installation >35' To 40', Add	*14.73*	
		For Elevated Installation >40', Add	*16.20*	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	47.78	13.74
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	59.74	17.18
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	76.63	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.93	2.95
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.21*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	10.30	3.44
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.58*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	15.17	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.46*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.30*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	19.08	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	24.18	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.44*	
		For Elevated Installation >20' To 25', Add	*4.30*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.87*	
		For Elevated Installation >35' To 40', Add	*8.59*	
		For Elevated Installation >40', Add	*9.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	29.46	8.35
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.26*	
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	39.66	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15', Add	*2.82*	
		For Elevated Installation >15' To 20', Add	*5.64*	
		For Elevated Installation >20' To 25', Add	*7.06*	
		For Elevated Installation >25' To 30', Add	*9.88*	
		For Elevated Installation >30' To 35', Add	*11.29*	
		For Elevated Installation >35' To 40', Add	*14.11*	
		For Elevated Installation >40', Add	*15.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	49.90	13.74
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.03*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	65.43	17.18
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	80.35	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.57*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	8.31	3.32
		For Work In Restricted Working Space, Add	*2.47*	
		For Elevated Installation >10' To 15', Add	*0.82*	
		For Elevated Installation >15' To 20', Add	*1.64*	
		For Elevated Installation >20' To 25', Add	*2.06*	
		For Elevated Installation >25' To 30', Add	*2.88*	
		For Elevated Installation >30' To 35', Add	*3.29*	
		For Elevated Installation >35' To 40', Add	*4.11*	
		For Elevated Installation >40', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	9.10	3.56
		For Work In Restricted Working Space, Add	*2.69*	
		For Elevated Installation >10' To 15', Add	*0.90*	
		For Elevated Installation >15' To 20', Add	*1.79*	
		For Elevated Installation >20' To 25', Add	*2.24*	
		For Elevated Installation >25' To 30', Add	*3.14*	
		For Elevated Installation >30' To 35', Add	*3.58*	
		For Elevated Installation >35' To 40', Add	*4.48*	
		For Elevated Installation >40', Add	*4.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	11.36	4.42
		For Work In Restricted Working Space, Add	*3.28*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.73*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.37*	
		For Elevated Installation >35' To 40', Add	*5.47*	
		For Elevated Installation >40', Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.28*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	14.52	5.64
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.90*	
		For Elevated Installation >30' To 35', Add	*5.60*	
		For Elevated Installation >35' To 40', Add	*7.00*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	17.16	6.50
		For Work In Restricted Working Space, Add	*4.90*	
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.08*	
		For Elevated Installation >25' To 30', Add	*5.71*	
		For Elevated Installation >30' To 35', Add	*6.53*	
		For Elevated Installation >35' To 40', Add	*8.16*	
		For Elevated Installation >40', Add	*8.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	21.04	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.93*	
		For Elevated Installation >20' To 25', Add	*4.91*	
		For Elevated Installation >25' To 30', Add	*6.87*	
		For Elevated Installation >30' To 35', Add	*7.86*	
		For Elevated Installation >35' To 40', Add	*9.82*	
		For Elevated Installation >40', Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	30.27	10.93
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15', Add	*2.72*	
		For Elevated Installation >15' To 20', Add	*5.45*	
		For Elevated Installation >20' To 25', Add	*6.81*	
		For Elevated Installation >25' To 30', Add	*9.53*	
		For Elevated Installation >30' To 35', Add	*10.90*	
		For Elevated Installation >35' To 40', Add	*13.62*	
		For Elevated Installation >40', Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	40.18	14.48
		For Work In Restricted Working Space, Add	*10.90*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.26*	
		For Elevated Installation >20' To 25', Add	*9.08*	
		For Elevated Installation >25' To 30', Add	*12.71*	
		For Elevated Installation >30' To 35', Add	*14.53*	
		For Elevated Installation >35' To 40', Add	*18.16*	
		For Elevated Installation >40', Add	*19.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.90*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	51.52	18.65
		For Work In Restricted Working Space, Add	*14.03*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.35*	
		For Elevated Installation >20' To 25', Add	*11.69*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.70*	
		For Elevated Installation >35' To 40', Add	*23.38*	
		For Elevated Installation >40', Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.03*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	66.66	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.34	2.46
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.70	2.95
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.21*	
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	9.17	3.44
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	13.33	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	16.27	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	20.69	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	30.93	9.81
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	38.48	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	45.58	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	53.10	17.18
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.56	3.32
		For Work In Restricted Working Space, Add	*2.47*	
		For Elevated Installation >10' To 15', Add	*0.82*	
		For Elevated Installation >15' To 20', Add	*1.64*	
		For Elevated Installation >20' To 25', Add	*2.06*	
		For Elevated Installation >25' To 30', Add	*2.88*	
		For Elevated Installation >30' To 35', Add	*3.29*	
		For Elevated Installation >35' To 40', Add	*4.11*	
		For Elevated Installation >40', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.51	3.56
		For Work In Restricted Working Space, Add	*2.69*	
		For Elevated Installation >10' To 15', Add	*0.90*	
		For Elevated Installation >15' To 20', Add	*1.79*	
		For Elevated Installation >20' To 25', Add	*2.24*	
		For Elevated Installation >25' To 30', Add	*3.14*	
		For Elevated Installation >30' To 35', Add	*3.58*	
		For Elevated Installation >35' To 40', Add	*4.48*	
		For Elevated Installation >40', Add	*4.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.90	4.42
		For Work In Restricted Working Space, Add	*3.28*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.73*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.37*	
		For Elevated Installation >35' To 40', Add	*5.47*	
		For Elevated Installation >40', Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.28*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.60	5.64
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.90*	
		For Elevated Installation >30' To 35', Add	*5.60*	
		For Elevated Installation >35' To 40', Add	*7.00*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	18.47	6.50
		For Work In Restricted Working Space, Add	*4.90*	
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.08*	
		For Elevated Installation >25' To 30', Add	*5.71*	
		For Elevated Installation >30' To 35', Add	*6.53*	
		For Elevated Installation >35' To 40', Add	*8.16*	
		For Elevated Installation >40', Add	*8.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	22.59	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.93*	
		For Elevated Installation >20' To 25', Add	*4.91*	
		For Elevated Installation >25' To 30', Add	*6.87*	
		For Elevated Installation >30' To 35', Add	*7.86*	
		For Elevated Installation >35' To 40', Add	*9.82*	
		For Elevated Installation >40', Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	36.90	10.93
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15', Add	*2.72*	
		For Elevated Installation >15' To 20', Add	*5.45*	
		For Elevated Installation >20' To 25', Add	*6.81*	
		For Elevated Installation >25' To 30', Add	*9.53*	
		For Elevated Installation >30' To 35', Add	*10.90*	
		For Elevated Installation >35' To 40', Add	*13.62*	
		For Elevated Installation >40', Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	47.88	14.48
		For Work In Restricted Working Space, Add	*10.90*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.26*	
		For Elevated Installation >20' To 25', Add	*9.08*	
		For Elevated Installation >25' To 30', Add	*12.71*	
		For Elevated Installation >30' To 35', Add	*14.53*	
		For Elevated Installation >35' To 40', Add	*18.16*	
		For Elevated Installation >40', Add	*19.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.90*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	61.21	18.65
		For Work In Restricted Working Space, Add	*14.03*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.35*	
		For Elevated Installation >20' To 25', Add	*11.69*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.70*	
		For Elevated Installation >35' To 40', Add	*23.38*	
		For Elevated Installation >40', Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	77.26	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0699		Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*		
26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.70	2.95
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.21*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	9.09	3.44
		For Work In Restricted Working Space, Add	*2.58*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.58*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.98	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	16.06	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	19.07	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.44*	
		For Elevated Installation >20' To 25', Add	*4.30*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.87*	
		For Elevated Installation >35' To 40', Add	*8.59*	
		For Elevated Installation >40', Add	*9.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	24.83	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	37.71	11.78
		For Work In Restricted Working Space, Add	*8.84*	
		For Elevated Installation >10' To 15', Add	*2.95*	
		For Elevated Installation >15' To 20', Add	*5.89*	
		For Elevated Installation >20' To 25', Add	*7.36*	
		For Elevated Installation >25' To 30', Add	*10.31*	
		For Elevated Installation >30' To 35', Add	*11.78*	
		For Elevated Installation >35' To 40', Add	*14.73*	
		For Elevated Installation >40', Add	*16.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	47.61	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	59.60	17.18
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	67.14	19.64
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.72*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.79	3.32
		For Work In Restricted Working Space, Add	*2.47*	
		For Elevated Installation >10' To 15', Add	*0.82*	
		For Elevated Installation >15' To 20', Add	*1.64*	
		For Elevated Installation >20' To 25', Add	*2.06*	
		For Elevated Installation >25' To 30', Add	*2.88*	
		For Elevated Installation >30' To 35', Add	*3.29*	
		For Elevated Installation >35' To 40', Add	*4.11*	
		For Elevated Installation >40', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.74	3.56
		For Work In Restricted Working Space, Add	*2.69*	
		For Elevated Installation >10' To 15', Add	*0.90*	
		For Elevated Installation >15' To 20', Add	*1.79*	
		For Elevated Installation >20' To 25', Add	*2.24*	
		For Elevated Installation >25' To 30', Add	*3.14*	
		For Elevated Installation >30' To 35', Add	*3.58*	
		For Elevated Installation >35' To 40', Add	*4.48*	
		For Elevated Installation >40', Add	*4.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	12.10	4.42
		For Work In Restricted Working Space, Add	*3.28*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.73*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.37*	
		For Elevated Installation >35' To 40', Add	*5.47*	
		For Elevated Installation >40', Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.28*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	16.17	5.64
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.90*	
		For Elevated Installation >30' To 35', Add	*5.60*	
		For Elevated Installation >35' To 40', Add	*7.00*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	19.41	6.50
		For Work In Restricted Working Space, Add	*4.90*	
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.08*	
		For Elevated Installation >25' To 30', Add	*5.71*	
		For Elevated Installation >30' To 35', Add	*6.53*	
		For Elevated Installation >35' To 40', Add	*8.16*	
		For Elevated Installation >40', Add	*8.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	23.96	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.93*	
		For Elevated Installation >20' To 25', Add	*4.91*	
		For Elevated Installation >25' To 30', Add	*6.87*	
		For Elevated Installation >30' To 35', Add	*7.86*	
		For Elevated Installation >35' To 40', Add	*9.82*	
		For Elevated Installation >40', Add	*10.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	41.88	10.93
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15', Add	*2.72*	
		For Elevated Installation >15' To 20', Add	*5.45*	
		For Elevated Installation >20' To 25', Add	*6.81*	
		For Elevated Installation >25' To 30', Add	*9.53*	
		For Elevated Installation >30' To 35', Add	*10.90*	
		For Elevated Installation >35' To 40', Add	*13.62*	
		For Elevated Installation >40', Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	56.24	14.48
		For Work In Restricted Working Space, Add	*10.90*	
		For Elevated Installation >10' To 15', Add	*3.63*	
		For Elevated Installation >15' To 20', Add	*7.26*	
		For Elevated Installation >20' To 25', Add	*9.08*	
		For Elevated Installation >25' To 30', Add	*12.71*	
		For Elevated Installation >30' To 35', Add	*14.53*	
		For Elevated Installation >35' To 40', Add	*18.16*	
		For Elevated Installation >40', Add	*19.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.90*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	75.88	18.65
		For Work In Restricted Working Space, Add	*14.03*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.35*	
		For Elevated Installation >20' To 25', Add	*11.69*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.70*	
		For Elevated Installation >35' To 40', Add	*23.38*	
		For Elevated Installation >40', Add	*25.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.03*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	95.42	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	

26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*

Note: Excludes jumper.

26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	63.94	16.32
		For Work In Restricted Working Space, Add	*12.25*	
		For Elevated Installation >10' To 15', Add	*4.08*	
		For Elevated Installation >15' To 20', Add	*8.17*	
		For Elevated Installation >20' To 25', Add	*10.21*	
		For Elevated Installation >25' To 30', Add	*14.29*	
		For Elevated Installation >30' To 35', Add	*16.34*	
		For Elevated Installation >35' To 40', Add	*20.42*	
		For Elevated Installation >40', Add	*22.46*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	77.05	19.76
		For Work In Restricted Working Space, Add	*14.85*	
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.90*	
		For Elevated Installation >20' To 25', Add	*12.38*	
		For Elevated Installation >25' To 30', Add	*17.33*	
		For Elevated Installation >30' To 35', Add	*19.80*	
		For Elevated Installation >35' To 40', Add	*24.75*	
		For Elevated Installation >40', Add	*27.23*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	94.77	24.79
		For Work In Restricted Working Space, Add	*18.56*	
		For Elevated Installation >10' To 15', Add	*6.19*	
		For Elevated Installation >15' To 20', Add	*12.38*	
		For Elevated Installation >20' To 25', Add	*15.47*	
		For Elevated Installation >25' To 30', Add	*21.66*	
		For Elevated Installation >30' To 35', Add	*24.75*	
		For Elevated Installation >35' To 40', Add	*30.94*	
		For Elevated Installation >40', Add	*34.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	122.20	30.43
		For Work In Restricted Working Space, Add	*22.84*	
		For Elevated Installation >10' To 15', Add	*7.61*	
		For Elevated Installation >15' To 20', Add	*15.22*	
		For Elevated Installation >20' To 25', Add	*19.03*	
		For Elevated Installation >25' To 30', Add	*26.64*	
		For Elevated Installation >30' To 35', Add	*30.45*	
		For Elevated Installation >35' To 40', Add	*38.06*	
		For Elevated Installation >40', Add	*41.87*	
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	151.37	35.71
		For Work In Restricted Working Space, Add	*26.78*	
		For Elevated Installation >10' To 15', Add	*8.93*	
		For Elevated Installation >15' To 20', Add	*17.85*	
		For Elevated Installation >20' To 25', Add	*22.32*	
		For Elevated Installation >25' To 30', Add	*31.24*	
		For Elevated Installation >30' To 35', Add	*35.71*	
		For Elevated Installation >35' To 40', Add	*44.64*	
		For Elevated Installation >40', Add	*49.10*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	189.47	43.44
		For Work In Restricted Working Space, Add	*32.61*	
		For Elevated Installation >10' To 15', Add	*10.87*	
		For Elevated Installation >15' To 20', Add	*21.74*	
		For Elevated Installation >20' To 25', Add	*27.18*	
		For Elevated Installation >25' To 30', Add	*38.05*	
		For Elevated Installation >30' To 35', Add	*43.48*	
		For Elevated Installation >35' To 40', Add	*54.36*	
		For Elevated Installation >40', Add	*59.79*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	355.79	55.84
		For Work In Restricted Working Space, Add	*41.89*	
		For Elevated Installation >10' To 15', Add	*13.96*	
		For Elevated Installation >15' To 20', Add	*27.92*	
		For Elevated Installation >20' To 25', Add	*34.91*	
		For Elevated Installation >25' To 30', Add	*48.87*	
		For Elevated Installation >30' To 35', Add	*55.85*	
		For Elevated Installation >35' To 40', Add	*69.81*	
		For Elevated Installation >40', Add	*76.79*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	434.50	65.28
		For Work In Restricted Working Space, Add	*48.98*	
		For Elevated Installation >10' To 15', Add	*16.33*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.14*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.63*	
		For Elevated Installation >40', Add	*89.79*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	531.69	71.17
		For Work In Restricted Working Space, Add	*53.40*	
		For Elevated Installation >10' To 15', Add	*17.80*	
		For Elevated Installation >15' To 20', Add	*35.60*	
		For Elevated Installation >20' To 25', Add	*44.50*	
		For Elevated Installation >25' To 30', Add	*62.30*	
		For Elevated Installation >30' To 35', Add	*71.20*	
		For Elevated Installation >35' To 40', Add	*89.00*	
		For Elevated Installation >40', Add	*97.89*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	575.80	78.54
		For Work In Restricted Working Space, Add	*58.92*	
		For Elevated Installation >10' To 15', Add	*19.64*	
		For Elevated Installation >15' To 20', Add	*39.28*	
		For Elevated Installation >20' To 25', Add	*49.10*	
		For Elevated Installation >25' To 30', Add	*68.74*	
		For Elevated Installation >30' To 35', Add	*78.56*	
		For Elevated Installation >35' To 40', Add	*98.20*	
		For Elevated Installation >40', Add	*108.02*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.28	4.42
		For Work In Restricted Working Space, Add	*3.27*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.18*	
		For Elevated Installation >20' To 25', Add	*2.72*	
		For Elevated Installation >25' To 30', Add	*3.81*	
		For Elevated Installation >30' To 35', Add	*4.36*	
		For Elevated Installation >35' To 40', Add	*5.45*	
		For Elevated Installation >40', Add	*5.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.04	4.42
		For Work In Restricted Working Space, Add	*3.27*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.18*	
		For Elevated Installation >20' To 25', Add	*2.72*	
		For Elevated Installation >25' To 30', Add	*3.81*	
		For Elevated Installation >30' To 35', Add	*4.36*	
		For Elevated Installation >35' To 40', Add	*5.45*	
		For Elevated Installation >40', Add	*5.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.58	4.78
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.84*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.94	5.52
		For Work In Restricted Working Space, Add	*4.13*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.45*	
		For Elevated Installation >25' To 30', Add	*4.82*	
		For Elevated Installation >30' To 35', Add	*5.51*	
		For Elevated Installation >35' To 40', Add	*6.89*	
		For Elevated Installation >40', Add	*7.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.13*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	23.83	6.63
		For Work In Restricted Working Space, Add	*5.00*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.33*	
		For Elevated Installation >20' To 25', Add	*4.17*	
		For Elevated Installation >25' To 30', Add	*5.83*	
		For Elevated Installation >30' To 35', Add	*6.66*	
		For Elevated Installation >35' To 40', Add	*8.33*	
		For Elevated Installation >40', Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	29.02	7.61
		For Work In Restricted Working Space, Add	*5.71*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.81*	
		For Elevated Installation >20' To 25', Add	*4.76*	
		For Elevated Installation >25' To 30', Add	*6.66*	
		For Elevated Installation >30' To 35', Add	*7.62*	
		For Elevated Installation >35' To 40', Add	*9.52*	
		For Elevated Installation >40', Add	*10.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.71*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	37.71	9.57
		For Work In Restricted Working Space, Add	*7.14*	
		For Elevated Installation >10' To 15', Add	*2.38*	
		For Elevated Installation >15' To 20', Add	*4.76*	
		For Elevated Installation >20' To 25', Add	*5.95*	
		For Elevated Installation >25' To 30', Add	*8.33*	
		For Elevated Installation >30' To 35', Add	*9.52*	
		For Elevated Installation >35' To 40', Add	*11.90*	
		For Elevated Installation >40', Add	*13.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.14*	

26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*

26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	25.71	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	29.97	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >15' To 20', Add	*5.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	36.95	14.72
		For Work In Restricted Working Space, Add	*8.84*	
		For Elevated Installation >15' To 20', Add	*5.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	47.13	18.40
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	8.99	2.46
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.26*	
		For Installation In Metal Stud Wall, Add	*0.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.60*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.96*	
		For Work In Restricted Working Space, Add	*1.91*	
		For Elevated Installation >10' To 15', Add	*0.64*	
		For Elevated Installation >15' To 20', Add	*1.28*	
		For Elevated Installation >20' To 25', Add	*1.60*	
		For Elevated Installation >25' To 30', Add	*2.23*	
		For Elevated Installation >30' To 35', Add	*2.55*	
		For Elevated Installation >35' To 40', Add	*3.19*	
		For Elevated Installation >40', Add	*3.51*	
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	10.72	2.70
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.31*	
		For Installation In Metal Stud Wall, Add	*0.76*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.90*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.28*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.52*	
		For Elevated Installation >20' To 25', Add	*1.90*	
		For Elevated Installation >25' To 30', Add	*2.66*	
		For Elevated Installation >30' To 35', Add	*3.04*	
		For Elevated Installation >35' To 40', Add	*3.81*	
		For Elevated Installation >40', Add	*4.19*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	14.38	2.95
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.48*	
		For Installation In Metal Stud Wall, Add	*0.96*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.39*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.44*	
		For Work In Restricted Working Space, Add	*2.87*	
		For Elevated Installation >10' To 15', Add	*0.96*	
		For Elevated Installation >15' To 20', Add	*1.91*	
		For Elevated Installation >20' To 25', Add	*2.39*	
		For Elevated Installation >25' To 30', Add	*3.35*	
		For Elevated Installation >30' To 35', Add	*3.83*	
		For Elevated Installation >35' To 40', Add	*4.79*	
		For Elevated Installation >40', Add	*5.26*	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	16.64	5.89
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For Installation In Metal Stud Wall, Add	*1.06*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.64*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.58*	
		For Work In Restricted Working Space, Add	*3.17*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.11*	
		For Elevated Installation >20' To 25', Add	*2.64*	
		For Elevated Installation >25' To 30', Add	*3.69*	
		For Elevated Installation >30' To 35', Add	*4.22*	
		For Elevated Installation >35' To 40', Add	*5.28*	
		For Elevated Installation >40', Add	*5.80*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	18.73	3.93
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*1.15*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.89*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.73*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.31*	
		For Elevated Installation >20' To 25', Add	*2.89*	
		For Elevated Installation >25' To 30', Add	*4.04*	
		For Elevated Installation >30' To 35', Add	*4.62*	
		For Elevated Installation >35' To 40', Add	*5.77*	
		For Elevated Installation >40', Add	*6.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	23.74	4.42
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.98*	
		For Installation In Metal Stud Wall, Add	*1.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.50*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.10*	
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.90*	
		For Elevated Installation >30' To 35', Add	*5.60*	
		For Elevated Installation >35' To 40', Add	*7.00*	
		For Elevated Installation >40', Add	*7.69*	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	40.14	5.89
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.16*	
		For Installation In Metal Stud Wall, Add	*1.85*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.63*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.78*	
		For Work In Restricted Working Space, Add	*5.56*	
		For Elevated Installation >10' To 15', Add	*1.85*	
		For Elevated Installation >15' To 20', Add	*3.71*	
		For Elevated Installation >20' To 25', Add	*4.63*	
		For Elevated Installation >25' To 30', Add	*6.49*	
		For Elevated Installation >30' To 35', Add	*7.41*	
		For Elevated Installation >35' To 40', Add	*9.27*	
		For Elevated Installation >40', Add	*10.19*	
26 05 33 13-0754	LF	3" Intermediate Metal Conduit (IMC) Conduit	51.15	7.37
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.66*	
		For Installation In Metal Stud Wall, Add	*2.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.68*	
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
26 05 33 13-0755	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	58.91	8.84
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.08*	
		For Installation In Metal Stud Wall, Add	*2.81*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.03*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.22*	
		For Work In Restricted Working Space, Add	*8.43*	
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.24*	
		For Elevated Installation >35' To 40', Add	*14.05*	
		For Elevated Installation >40', Add	*15.46*	
26 05 33 13-0756	LF	4" Intermediate Metal Conduit (IMC) Conduit	69.03	10.30
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000, Deduct	*-3.63*	
		For Installation In Metal Stud Wall, Add	*3.28*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.19*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.92*	
		For Work In Restricted Working Space, Add	*9.83*	
		For Elevated Installation >10' To 15', Add	*3.28*	
		For Elevated Installation >15' To 20', Add	*6.55*	
		For Elevated Installation >20' To 25', Add	*8.19*	
		For Elevated Installation >25' To 30', Add	*11.47*	
		For Elevated Installation >30' To 35', Add	*13.11*	
		For Elevated Installation >35' To 40', Add	*16.39*	
		For Elevated Installation >40', Add	*18.02*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-2319 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	41.88	12.15
		For Work In Restricted Working Space, Add	*9.14*	
		For Elevated Installation >10' To 15', Add	*3.05*	
		For Elevated Installation >15' To 20', Add	*6.09*	
		For Elevated Installation >20' To 25', Add	*7.62*	
		For Elevated Installation >25' To 30', Add	*10.66*	
		For Elevated Installation >30' To 35', Add	*12.19*	
		For Elevated Installation >35' To 40', Add	*15.24*	
		For Elevated Installation >40', Add	*16.76*	
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	50.69	15.09
		For Work In Restricted Working Space, Add	*11.36*	
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.47*	
		For Elevated Installation >25' To 30', Add	*13.26*	
		For Elevated Installation >30' To 35', Add	*15.15*	
		For Elevated Installation >35' To 40', Add	*18.94*	
		For Elevated Installation >40', Add	*20.83*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	64.40	18.53
		For Work In Restricted Working Space, Add	*13.86*	
		For Elevated Installation >10' To 15', Add	*4.62*	
		For Elevated Installation >15' To 20', Add	*9.24*	
		For Elevated Installation >20' To 25', Add	*11.55*	
		For Elevated Installation >25' To 30', Add	*16.17*	
		For Elevated Installation >30' To 35', Add	*18.48*	
		For Elevated Installation >35' To 40', Add	*23.10*	
		For Elevated Installation >40', Add	*25.41*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	79.16	21.48
		For Work In Restricted Working Space, Add	*16.09*	
		For Elevated Installation >10' To 15', Add	*5.36*	
		For Elevated Installation >15' To 20', Add	*10.73*	
		For Elevated Installation >20' To 25', Add	*13.41*	
		For Elevated Installation >25' To 30', Add	*18.77*	
		For Elevated Installation >30' To 35', Add	*21.46*	
		For Elevated Installation >35' To 40', Add	*26.82*	
		For Elevated Installation >40', Add	*29.50*	
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	93.85	24.67
		For Work In Restricted Working Space, Add	*18.47*	
		For Elevated Installation >10' To 15', Add	*6.16*	
		For Elevated Installation >15' To 20', Add	*12.31*	
		For Elevated Installation >20' To 25', Add	*15.39*	
		For Elevated Installation >25' To 30', Add	*21.55*	
		For Elevated Installation >30' To 35', Add	*24.63*	
		For Elevated Installation >35' To 40', Add	*30.79*	
		For Elevated Installation >40', Add	*33.86*	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	114.20	27.12
		For Work In Restricted Working Space, Add	*20.32*	
		For Elevated Installation >10' To 15', Add	*6.77*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.93*	
		For Elevated Installation >25' To 30', Add	*23.71*	
		For Elevated Installation >30' To 35', Add	*27.09*	
		For Elevated Installation >35' To 40', Add	*33.87*	
		For Elevated Installation >40', Add	*37.25*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	163.56	33.87
		For Work In Restricted Working Space, Add	*25.40*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.93*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.63*	
		For Elevated Installation >30' To 35', Add	*33.86*	
		For Elevated Installation >35' To 40', Add	*42.33*	
		For Elevated Installation >40', Add	*46.56*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	236.12	46.14
		For Work In Restricted Working Space, Add	*34.60*	
		For Elevated Installation >10' To 15', Add	*11.53*	
		For Elevated Installation >15' To 20', Add	*23.07*	
		For Elevated Installation >20' To 25', Add	*28.83*	
		For Elevated Installation >25' To 30', Add	*40.37*	
		For Elevated Installation >30' To 35', Add	*46.13*	
		For Elevated Installation >35' To 40', Add	*57.67*	
		For Elevated Installation >40', Add	*63.43*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	343.33	52.03
		For Work In Restricted Working Space, Add	*39.03*	
		For Elevated Installation >10' To 15', Add	*13.01*	
		For Elevated Installation >15' To 20', Add	*26.02*	
		For Elevated Installation >20' To 25', Add	*32.52*	
		For Elevated Installation >25' To 30', Add	*45.53*	
		For Elevated Installation >30' To 35', Add	*52.04*	
		For Elevated Installation >35' To 40', Add	*65.05*	
		For Elevated Installation >40', Add	*71.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	416.67	67.74
		For Work In Restricted Working Space, Add	*50.79*	
		For Elevated Installation >10' To 15', Add	*16.93*	
		For Elevated Installation >15' To 20', Add	*33.86*	
		For Elevated Installation >20' To 25', Add	*42.33*	
		For Elevated Installation >25' To 30', Add	*59.26*	
		For Elevated Installation >30' To 35', Add	*67.72*	
		For Elevated Installation >35' To 40', Add	*84.66*	
		For Elevated Installation >40', Add	*93.12*	
26 05 33 13-0768		**Intermediate Metal Conduit (IMC) Bushing Sets With Locknut** *(26 05 33 13-0745)*		
26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.75	6.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	19.75	0.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	25.56	9.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	31.22	11.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	34.96	12.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	45.10	15.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.41*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	83.36	24.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	103.01	33.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.04*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	134.76	39.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.82*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	159.08	46.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.61*	
26 05 33 13-0779		**Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings** *(26 05 33 13-0745)*		
		Note: 3-Piece coupling.		
26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	55.26	19.64
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.83*	
		For Elevated Installation >20' To 25', Add	*12.29*	
		For Elevated Installation >25' To 30', Add	*17.20*	
		For Elevated Installation >30' To 35', Add	*19.66*	
		For Elevated Installation >35' To 40', Add	*24.57*	
		For Elevated Installation >40', Add	*27.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	62.73	21.97
		For Work In Restricted Working Space, Add	*16.46*	
		For Elevated Installation >10' To 15', Add	*5.49*	
		For Elevated Installation >15' To 20', Add	*10.97*	
		For Elevated Installation >20' To 25', Add	*13.71*	
		For Elevated Installation >25' To 30', Add	*19.20*	
		For Elevated Installation >30' To 35', Add	*21.94*	
		For Elevated Installation >35' To 40', Add	*27.43*	
		For Elevated Installation >40', Add	*30.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.46*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	76.29	24.42
		For Work In Restricted Working Space, Add	*18.33*	
		For Elevated Installation >10' To 15', Add	*6.11*	
		For Elevated Installation >15' To 20', Add	*12.22*	
		For Elevated Installation >20' To 25', Add	*15.27*	
		For Elevated Installation >25' To 30', Add	*21.38*	
		For Elevated Installation >30' To 35', Add	*24.44*	
		For Elevated Installation >35' To 40', Add	*30.55*	
		For Elevated Installation >40', Add	*33.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	94.81	26.75
		For Work In Restricted Working Space, Add	*20.06*	
		For Elevated Installation >10' To 15', Add	*6.69*	
		For Elevated Installation >15' To 20', Add	*13.37*	
		For Elevated Installation >20' To 25', Add	*16.71*	
		For Elevated Installation >25' To 30', Add	*23.40*	
		For Elevated Installation >30' To 35', Add	*26.74*	
		For Elevated Installation >35' To 40', Add	*33.43*	
		For Elevated Installation >40', Add	*36.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	108.25	29.21
		For Work In Restricted Working Space, Add	*21.95*	
		For Elevated Installation >10' To 15', Add	*7.32*	
		For Elevated Installation >15' To 20', Add	*14.63*	
		For Elevated Installation >20' To 25', Add	*18.29*	
		For Elevated Installation >25' To 30', Add	*25.60*	
		For Elevated Installation >30' To 35', Add	*29.26*	
		For Elevated Installation >35' To 40', Add	*36.58*	
		For Elevated Installation >40', Add	*40.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.95*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	149.40	31.66
		For Work In Restricted Working Space, Add	*23.76*	
		For Elevated Installation >10' To 15', Add	*7.92*	
		For Elevated Installation >15' To 20', Add	*15.84*	
		For Elevated Installation >20' To 25', Add	*19.80*	
		For Elevated Installation >25' To 30', Add	*27.72*	
		For Elevated Installation >30' To 35', Add	*31.68*	
		For Elevated Installation >35' To 40', Add	*39.61*	
		For Elevated Installation >40', Add	*43.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.76*	
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	248.31	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	351.67	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	515.15	58.91
		For Work In Restricted Working Space, Add	*44.19*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.46*	
		For Elevated Installation >20' To 25', Add	*36.83*	
		For Elevated Installation >25' To 30', Add	*51.56*	
		For Elevated Installation >30' To 35', Add	*58.92*	
		For Elevated Installation >35' To 40', Add	*73.66*	
		For Elevated Installation >40', Add	*81.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.19*	
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	594.92	63.81
		For Work In Restricted Working Space, Add	*47.85*	
		For Elevated Installation >10' To 15', Add	*15.95*	
		For Elevated Installation >15' To 20', Add	*31.90*	
		For Elevated Installation >20' To 25', Add	*39.88*	
		For Elevated Installation >25' To 30', Add	*55.83*	
		For Elevated Installation >30' To 35', Add	*63.80*	
		For Elevated Installation >35' To 40', Add	*79.76*	
		For Elevated Installation >40', Add	*87.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.85*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	31.21	9.81
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	34.88	10.79
		For Work In Restricted Working Space, Add	*8.10*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.06	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	45.52	13.25
		For Work In Restricted Working Space, Add	*9.94*	
		For Elevated Installation >10' To 15', Add	*3.31*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.28*	
		For Elevated Installation >25' To 30', Add	*11.60*	
		For Elevated Installation >30' To 35', Add	*13.25*	
		For Elevated Installation >35' To 40', Add	*16.57*	
		For Elevated Installation >40', Add	*18.22*	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	54.08	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	66.01	16.20
		For Work In Restricted Working Space, Add	*12.15*	
		For Elevated Installation >10' To 15', Add	*4.05*	
		For Elevated Installation >15' To 20', Add	*8.10*	
		For Elevated Installation >20' To 25', Add	*10.12*	
		For Elevated Installation >25' To 30', Add	*14.17*	
		For Elevated Installation >30' To 35', Add	*16.20*	
		For Elevated Installation >35' To 40', Add	*20.25*	
		For Elevated Installation >40', Add	*22.27*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	89.99	19.64
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	111.28	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	133.69	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	151.08	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	27.33	9.81
		For Work In Restricted Working Space, Add	*7.37*	
		For Elevated Installation >10' To 15', Add	*2.46*	
		For Elevated Installation >15' To 20', Add	*4.91*	
		For Elevated Installation >20' To 25', Add	*6.14*	
		For Elevated Installation >25' To 30', Add	*8.59*	
		For Elevated Installation >30' To 35', Add	*9.82*	
		For Elevated Installation >35' To 40', Add	*12.28*	
		For Elevated Installation >40', Add	*13.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	34.85	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	42.97	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.04*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	51.66	17.18
		For Work In Restricted Working Space, Add	*12.89*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.74*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.18*	
		For Elevated Installation >35' To 40', Add	*21.48*	
		For Elevated Installation >40', Add	*23.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	60.30	19.64
		For Work In Restricted Working Space, Add	*14.72*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.72*	
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	71.44	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.57*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	88.54	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	104.08	26.99
		For Work In Restricted Working Space, Add	*20.24*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*26.99*	
		For Elevated Installation >35' To 40', Add	*33.74*	
		For Elevated Installation >40', Add	*37.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	127.20	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	145.76	34.36
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.47*	
		For Elevated Installation >25' To 30', Add	*30.06*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	169.20	19.64
		For Work In Restricted Working Space, Add	*14.73*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.64*	
		For Elevated Installation >35' To 40', Add	*24.55*	
		For Elevated Installation >40', Add	*27.00*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	187.34	22.09
		For Work In Restricted Working Space, Add	*16.57*	
		For Elevated Installation >10' To 15', Add	*5.52*	
		For Elevated Installation >15' To 20', Add	*11.04*	
		For Elevated Installation >20' To 25', Add	*13.81*	
		For Elevated Installation >25' To 30', Add	*19.33*	
		For Elevated Installation >30' To 35', Add	*22.09*	
		For Elevated Installation >35' To 40', Add	*27.61*	
		For Elevated Installation >40', Add	*30.37*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	208.20	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	250.66	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	305.96	29.45
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.72*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.81*	
		For Elevated Installation >40', Add	*40.49*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	400.15	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.91*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.86*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	601.44	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	723.65	49.08
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,005.78	58.91
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.91*	
		For Elevated Installation >35' To 40', Add	*73.64*	
		For Elevated Installation >40', Add	*81.00*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,161.85	63.81
		For Work In Restricted Working Space, Add	*47.85*	
		For Elevated Installation >10' To 15', Add	*15.95*	
		For Elevated Installation >15' To 20', Add	*31.90*	
		For Elevated Installation >20' To 25', Add	*39.88*	
		For Elevated Installation >25' To 30', Add	*55.83*	
		For Elevated Installation >30' To 35', Add	*63.80*	
		For Elevated Installation >35' To 40', Add	*79.76*	
		For Elevated Installation >40', Add	*87.73*	

26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*

26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	107.58	30.68
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	127.91	36.81
		For Work In Restricted Working Space, Add	*22.09*	
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.09*	
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	155.66	42.95
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	182.89	49.08
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	237.99	55.22
		For Work In Restricted Working Space, Add	*33.13*	
		For Elevated Installation >10' To 15', Add	*11.04*	
		For Elevated Installation >15' To 20', Add	*22.09*	
		For Elevated Installation >20' To 25', Add	*27.61*	
		For Elevated Installation >25' To 30', Add	*38.65*	
		For Elevated Installation >30' To 35', Add	*44.18*	
		For Elevated Installation >35' To 40', Add	*55.22*	
		For Elevated Installation >40', Add	*60.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	287.96	61.36
		For Work In Restricted Working Space, Add	*36.81*	
		For Elevated Installation >10' To 15', Add	*12.27*	
		For Elevated Installation >15' To 20', Add	*24.54*	
		For Elevated Installation >20' To 25', Add	*30.68*	
		For Elevated Installation >25' To 30', Add	*42.95*	
		For Elevated Installation >30' To 35', Add	*49.08*	
		For Elevated Installation >35' To 40', Add	*61.36*	
		For Elevated Installation >40', Add	*67.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	404.01	73.63
		For Work In Restricted Working Space, Add	*44.18*	
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.90*	
		For Elevated Installation >35' To 40', Add	*73.63*	
		For Elevated Installation >40', Add	*80.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.18*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	485.42	85.90
		For Work In Restricted Working Space, Add	*51.54*	
		For Elevated Installation >10' To 15', Add	*17.18*	
		For Elevated Installation >15' To 20', Add	*34.36*	
		For Elevated Installation >20' To 25', Add	*42.95*	
		For Elevated Installation >25' To 30', Add	*60.13*	
		For Elevated Installation >30' To 35', Add	*68.72*	
		For Elevated Installation >35' To 40', Add	*85.90*	
		For Elevated Installation >40', Add	*94.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.54*	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,100.88	98.17
		For Work In Restricted Working Space, Add	*58.90*	
		For Elevated Installation >10' To 15', Add	*19.63*	
		For Elevated Installation >15' To 20', Add	*39.27*	
		For Elevated Installation >20' To 25', Add	*49.09*	
		For Elevated Installation >25' To 30', Add	*68.72*	
		For Elevated Installation >30' To 35', Add	*78.54*	
		For Elevated Installation >35' To 40', Add	*98.17*	
		For Elevated Installation >40', Add	*107.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.90*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,267.75	110.44
		For Work In Restricted Working Space, Add	*66.26*	
		For Elevated Installation >10' To 15', Add	*22.09*	
		For Elevated Installation >15' To 20', Add	*44.18*	
		For Elevated Installation >20' To 25', Add	*55.22*	
		For Elevated Installation >25' To 30', Add	*77.31*	
		For Elevated Installation >30' To 35', Add	*88.35*	
		For Elevated Installation >35' To 40', Add	*110.44*	
		For Elevated Installation >40', Add	*121.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.26*	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*

26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	16.30	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	22.78	8.35
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.35*	
		For Elevated Installation >35' To 40', Add	*10.44*	
		For Elevated Installation >40', Add	*11.48*	
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	29.83	10.79
		For Work In Restricted Working Space, Add	*8.09*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.44*	
		For Elevated Installation >30' To 35', Add	*10.79*	
		For Elevated Installation >35' To 40', Add	*13.49*	
		For Elevated Installation >40', Add	*14.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	34.25	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	41.29	14.72
		For Work In Restricted Working Space, Add	*11.04*	
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.40*	
		For Elevated Installation >40', Add	*20.23*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	47.67	16.69
		For Work In Restricted Working Space, Add	*12.52*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.44*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.70*	
		For Elevated Installation >35' To 40', Add	*20.87*	
		For Elevated Installation >40', Add	*22.96*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	59.76	18.65
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	70.71	21.11
		For Work In Restricted Working Space, Add	*15.83*	
		For Elevated Installation >10' To 15', Add	*5.28*	
		For Elevated Installation >15' To 20', Add	*10.55*	
		For Elevated Installation >20' To 25', Add	*13.19*	
		For Elevated Installation >25' To 30', Add	*18.47*	
		For Elevated Installation >30' To 35', Add	*21.11*	
		For Elevated Installation >35' To 40', Add	*26.39*	
		For Elevated Installation >40', Add	*29.02*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	81.67	23.07
		For Work In Restricted Working Space, Add	*17.31*	
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.54*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.19*	
		For Elevated Installation >30' To 35', Add	*23.08*	
		For Elevated Installation >35' To 40', Add	*28.85*	
		For Elevated Installation >40', Add	*31.73*	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	85.51	24.55
		For Work In Restricted Working Space, Add	*18.40*	
		For Elevated Installation >10' To 15', Add	*6.13*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.47*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.67*	
		For Elevated Installation >40', Add	*33.74*	

26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.89	2.46
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.91	2.46
		For Work In Restricted Working Space, Add	*1.84*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.15*	
		For Elevated Installation >30' To 35', Add	*2.45*	
		For Elevated Installation >35' To 40', Add	*3.07*	
		For Elevated Installation >40', Add	*3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit** *(26 05 33 13-0059)* Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit** *(26 05 33 13-0848)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	14.47	3.44
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.23*	
		For Elevated Installation >10' To 15', Add	*0.86*	
		For Elevated Installation >15' To 20', Add	*1.72*	
		For Elevated Installation >20' To 25', Add	*2.15*	
		For Elevated Installation >25' To 30', Add	*3.01*	
		For Elevated Installation >30' To 35', Add	*3.44*	
		For Elevated Installation >35' To 40', Add	*4.30*	
		For Elevated Installation >40', Add	*4.72*	
		For Work In Restricted Working Space, Add	*2.58*	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	16.62	3.93
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.42*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.91*	
		For Elevated Installation >40', Add	*5.40*	
		For Work In Restricted Working Space, Add	*2.94*	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	21.08	4.91
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.80*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.45*	
		For Elevated Installation >20' To 25', Add	*3.07*	
		For Elevated Installation >25' To 30', Add	*4.29*	
		For Elevated Installation >30' To 35', Add	*4.91*	
		For Elevated Installation >35' To 40', Add	*6.14*	
		For Elevated Installation >40', Add	*6.75*	
		For Work In Restricted Working Space, Add	*3.68*	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	25.90	5.89
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.22*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.68*	
		For Elevated Installation >25' To 30', Add	*5.15*	
		For Elevated Installation >30' To 35', Add	*5.89*	
		For Elevated Installation >35' To 40', Add	*7.36*	
		For Elevated Installation >40', Add	*8.10*	
		For Work In Restricted Working Space, Add	*4.42*	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	31.99	7.37
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.74*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.44*	
		For Elevated Installation >30' To 35', Add	*7.36*	
		For Elevated Installation >35' To 40', Add	*9.20*	
		For Elevated Installation >40', Add	*10.12*	
		For Work In Restricted Working Space, Add	*5.52*	
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	39.79	8.84
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-3.43*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.84*	
		For Elevated Installation >35' To 40', Add	*11.05*	
		For Elevated Installation >40', Add	*12.15*	
		For Work In Restricted Working Space, Add	*6.63*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856		LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	52.62	10.30
			For >250 To 500, Deduct	*-1.99*	
			For >500 To 1,000, Deduct	*-3.30*	
			For >1,000, Deduct	*-4.62*	
			For Elevated Installation >10' To 15', Add	*2.58*	
			For Elevated Installation >15' To 20', Add	*5.15*	
			For Elevated Installation >20' To 25', Add	*6.44*	
			For Elevated Installation >25' To 30', Add	*9.02*	
			For Elevated Installation >30' To 35', Add	*10.31*	
			For Elevated Installation >35' To 40', Add	*12.89*	
			For Elevated Installation >40', Add	*14.17*	
			For Work In Restricted Working Space, Add	*7.73*	
26 05 33 13-0857		LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	65.75	12.76
			For >250 To 500, Deduct	*-2.49*	
			For >500 To 1,000, Deduct	*-4.13*	
			For >1,000, Deduct	*-5.78*	
			For Elevated Installation >10' To 15', Add	*3.19*	
			For Elevated Installation >15' To 20', Add	*6.38*	
			For Elevated Installation >20' To 25', Add	*7.98*	
			For Elevated Installation >25' To 30', Add	*11.17*	
			For Elevated Installation >30' To 35', Add	*12.76*	
			For Elevated Installation >35' To 40', Add	*15.95*	
			For Elevated Installation >40', Add	*17.55*	
			For Work In Restricted Working Space, Add	*9.57*	
26 05 33 13-0858		LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	80.68	15.71
			For >250 To 500, Deduct	*-3.05*	
			For >500 To 1,000, Deduct	*-5.07*	
			For >1,000, Deduct	*-7.09*	
			For Elevated Installation >10' To 15', Add	*3.93*	
			For Elevated Installation >15' To 20', Add	*7.85*	
			For Elevated Installation >20' To 25', Add	*9.82*	
			For Elevated Installation >25' To 30', Add	*13.74*	
			For Elevated Installation >30' To 35', Add	*15.71*	
			For Elevated Installation >35' To 40', Add	*19.64*	
			For Elevated Installation >40', Add	*21.60*	
			For Work In Restricted Working Space, Add	*11.78*	
26 05 33 13-0859		LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	95.45	18.65
			For >250 To 500, Deduct	*-3.61*	
			For >500 To 1,000, Deduct	*-5.99*	
			For >1,000, Deduct	*-8.38*	
			For Elevated Installation >10' To 15', Add	*4.66*	
			For Elevated Installation >15' To 20', Add	*9.33*	
			For Elevated Installation >20' To 25', Add	*11.66*	
			For Elevated Installation >25' To 30', Add	*16.32*	
			For Elevated Installation >30' To 35', Add	*18.65*	
			For Elevated Installation >35' To 40', Add	*23.32*	
			For Elevated Installation >40', Add	*25.65*	
			For Work In Restricted Working Space, Add	*13.99*	
26 05 33 13-0860		LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	141.73	22.09
			For >250 To 500, Deduct	*-5.71*	
			For >500 To 1,000, Deduct	*-9.25*	
			For >1,000, Deduct	*-12.79*	
			For Elevated Installation >10' To 15', Add	*5.52*	
			For Elevated Installation >15' To 20', Add	*11.04*	
			For Elevated Installation >20' To 25', Add	*13.81*	
			For Elevated Installation >25' To 30', Add	*19.33*	
			For Elevated Installation >30' To 35', Add	*22.09*	
			For Elevated Installation >35' To 40', Add	*27.61*	
			For Elevated Installation >40', Add	*30.37*	
			For Work In Restricted Working Space, Add	*16.57*	
26 05 33 13-0861		LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	192.19	29.45
			For >250 To 500, Deduct	*-7.77*	
			For >500 To 1,000, Deduct	*-12.57*	
			For >1,000, Deduct	*-17.38*	
			For Elevated Installation >10' To 15', Add	*7.36*	
			For Elevated Installation >15' To 20', Add	*14.73*	
			For Elevated Installation >20' To 25', Add	*18.41*	
			For Elevated Installation >25' To 30', Add	*25.77*	
			For Elevated Installation >30' To 35', Add	*29.45*	
			For Elevated Installation >35' To 40', Add	*36.82*	
			For Elevated Installation >40', Add	*40.50*	
			For Work In Restricted Working Space, Add	*22.09*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

26 05 33 13-0863		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	20.92	7.37
			For Elevated Installation >10' To 15', Add	*1.47*	
			For Elevated Installation >15' To 20', Add	*2.94*	
			For Elevated Installation >20' To 25', Add	*3.68*	
			For Elevated Installation >25' To 30', Add	*5.15*	
			For Elevated Installation >30' To 35', Add	*5.89*	
			For Elevated Installation >35' To 40', Add	*7.36*	
			For Elevated Installation >40', Add	*8.10*	
			For Work In Restricted Working Space, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	27.36	10.43
		For Elevated Installation >10' To 15', Add	*2.09*	
		For Elevated Installation >15' To 20', Add	*4.17*	
		For Elevated Installation >20' To 25', Add	*5.22*	
		For Elevated Installation >25' To 30', Add	*7.30*	
		For Elevated Installation >30' To 35', Add	*8.34*	
		For Elevated Installation >35' To 40', Add	*10.43*	
		For Elevated Installation >40', Add	*11.47*	
		For Work In Restricted Working Space, Add	*6.26*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	35.43	13.50
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.40*	
		For Elevated Installation >20' To 25', Add	*6.75*	
		For Elevated Installation >25' To 30', Add	*9.45*	
		For Elevated Installation >30' To 35', Add	*10.80*	
		For Elevated Installation >35' To 40', Add	*13.50*	
		For Elevated Installation >40', Add	*14.84*	
		For Work In Restricted Working Space, Add	*8.10*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	40.52	15.34
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Work In Restricted Working Space, Add	*9.20*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	48.51	18.40
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Work In Restricted Working Space, Add	*11.04*	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	58.86	20.86
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.35*	
		For Elevated Installation >20' To 25', Add	*10.43*	
		For Elevated Installation >25' To 30', Add	*14.61*	
		For Elevated Installation >30' To 35', Add	*16.69*	
		For Elevated Installation >35' To 40', Add	*20.87*	
		For Elevated Installation >40', Add	*22.95*	
		For Work In Restricted Working Space, Add	*12.52*	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	89.02	20.86
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	
		For Work In Restricted Working Space, Add	*13.99*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	104.24	28.84
		For Elevated Installation >10' To 15', Add	*5.28*	
		For Elevated Installation >15' To 20', Add	*10.55*	
		For Elevated Installation >20' To 25', Add	*13.19*	
		For Elevated Installation >25' To 30', Add	*18.47*	
		For Elevated Installation >30' To 35', Add	*21.10*	
		For Elevated Installation >35' To 40', Add	*26.38*	
		For Elevated Installation >40', Add	*29.02*	
		For Work In Restricted Working Space, Add	*15.83*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	123.72	28.84
		For Elevated Installation >10' To 15', Add	*5.77*	
		For Elevated Installation >15' To 20', Add	*11.53*	
		For Elevated Installation >20' To 25', Add	*14.42*	
		For Elevated Installation >25' To 30', Add	*20.18*	
		For Elevated Installation >30' To 35', Add	*23.07*	
		For Elevated Installation >35' To 40', Add	*28.84*	
		For Elevated Installation >40', Add	*31.72*	
		For Work In Restricted Working Space, Add	*17.30*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	138.58	30.68
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Work In Restricted Working Space, Add	*18.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	325.26	36.81
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
		For Work In Restricted Working Space, Add	*22.09*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	366.99	42.95
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Work In Restricted Working Space, Add	*25.77*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	61.63	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	72.03	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	86.51	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	102.01	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	118.86	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	142.31	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	212.88	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	314.24	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	384.67	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	448.03	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	908.08	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,421.90	269.60
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	
		For Work In Restricted Working Space, Add	*161.76*	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	137.77	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	155.52	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	177.45	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	209.92	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	289.40	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	

26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	151.63	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	178.43	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	193.87	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	245.73	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	323.93	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	416.65	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	168.20	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	190.36	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	214.94	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	257.60	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	363.61	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	463.24	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	579.77	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	660.58	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	196.83	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	218.36	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	246.74	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	303.39	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	434.63	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	542.17	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	627.97	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	749.06	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	219.11	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	244.42	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	278.03	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	343.24	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	473.38	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	605.30	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	745.14	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	830.27	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,382.21	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	248.24	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	275.92	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	312.33	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	387.44	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	537.95	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	685.74	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	803.86	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	935.12	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,455.69	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	2,002.52	269.60
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	
		For Work In Restricted Working Space, Add	*161.76*	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	288.80	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	303.99	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	358.24	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	448.97	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	625.01	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	794.18	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	967.09	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,139.09	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,695.37	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,112.54	269.60
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	
		For Work In Restricted Working Space, Add	*161.76*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	298.57	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	351.48	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	397.94	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	467.48	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	646.76	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	827.53	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,055.99	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,185.35	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,759.76	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	2,168.44	269.60
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	
		For Work In Restricted Working Space, Add	*161.76*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	113.01	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	138.88	26.32
		For Elevated Installation >10' To 15', Add	*5.26*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.16*	
		For Elevated Installation >25' To 30', Add	*18.42*	
		For Elevated Installation >30' To 35', Add	*21.06*	
		For Elevated Installation >35' To 40', Add	*26.32*	
		For Elevated Installation >40', Add	*28.95*	
		For Work In Restricted Working Space, Add	*15.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.79*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	183.77	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.19*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	297.59	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.06*	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	328.91	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	413.70	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.09*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.25*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,108.58	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,325.83	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.49*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.48*	
		For Work In Restricted Working Space, Add	*44.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,764.65	110.07
		For Elevated Installation >10' To 15', Add	*22.01*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.07*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.04*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	108.56	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	133.86	26.32
		For Elevated Installation >10' To 15', Add	*5.26*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.16*	
		For Elevated Installation >25' To 30', Add	*18.42*	
		For Elevated Installation >30' To 35', Add	*21.06*	
		For Elevated Installation >35' To 40', Add	*26.32*	
		For Elevated Installation >40', Add	*28.95*	
		For Work In Restricted Working Space, Add	*15.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.79*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	183.77	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.19*	
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	295.00	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.06*	
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	318.49	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	413.82	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.09*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.25*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,064.11	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,293.38	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.49*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.48*	
		For Work In Restricted Working Space, Add	*44.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.99*	
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,764.57	110.07
		For Elevated Installation >10' To 15', Add	*22.01*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.07*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.04*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	98.72	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	118.91	26.32
		For Elevated Installation >10' To 15', Add	*5.26*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.16*	
		For Elevated Installation >25' To 30', Add	*18.42*	
		For Elevated Installation >30' To 35', Add	*21.06*	
		For Elevated Installation >35' To 40', Add	*26.32*	
		For Elevated Installation >40', Add	*28.95*	
		For Work In Restricted Working Space, Add	*15.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.79*	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	140.10	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.19*	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	196.73	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.06*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	229.48	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	349.51	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.09*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.25*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	940.25	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,062.04	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.49*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.48*	
		For Work In Restricted Working Space, Add	*44.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.99*	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,360.35	110.07
		For Elevated Installation >10' To 15', Add	*22.01*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.07*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.04*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	164.57	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	246.97	26.32
		For Elevated Installation >10' To 15', Add	*5.26*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.16*	
		For Elevated Installation >25' To 30', Add	*18.42*	
		For Elevated Installation >30' To 35', Add	*21.06*	
		For Elevated Installation >35' To 40', Add	*26.32*	
		For Elevated Installation >40', Add	*28.95*	
		For Work In Restricted Working Space, Add	*15.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.79*	
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	309.69	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.19*	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	357.51	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	406.03	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	531.88	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.09*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.25*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,649.97	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,929.63	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.49*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.48*	
		For Work In Restricted Working Space, Add	*44.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.99*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,377.63	110.07
		For Elevated Installation >10' To 15', Add	*22.01*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.07*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.04*	

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	182.05	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	263.46	26.32
		For Elevated Installation >10' To 15', Add	*5.26*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.16*	
		For Elevated Installation >25' To 30', Add	*18.42*	
		For Elevated Installation >30' To 35', Add	*21.06*	
		For Elevated Installation >35' To 40', Add	*26.32*	
		For Elevated Installation >40', Add	*28.95*	
		For Work In Restricted Working Space, Add	*15.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	312.83	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.19*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	362.68	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.06*	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	420.22	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	656.59	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.09*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.25*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,838.14	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,586.58	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.49*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.48*	
		For Work In Restricted Working Space, Add	*44.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.99*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,710.20	110.07
		For Elevated Installation >10' To 15', Add	*22.01*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.07*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.04*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	145.30	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	183.68	26.32
		For Elevated Installation >10' To 15', Add	*5.26*	
		For Elevated Installation >15' To 20', Add	*10.53*	
		For Elevated Installation >20' To 25', Add	*13.16*	
		For Elevated Installation >25' To 30', Add	*18.42*	
		For Elevated Installation >30' To 35', Add	*21.06*	
		For Elevated Installation >35' To 40', Add	*26.32*	
		For Elevated Installation >40', Add	*28.95*	
		For Work In Restricted Working Space, Add	*15.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.79*	
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	219.71	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.19*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	243.90	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.06*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	326.30	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	457.55	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.09*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.25*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,494.12	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,685.93	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.49*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.48*	
		For Work In Restricted Working Space, Add	*44.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.99*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	2,009.67	110.07
		For Elevated Installation >10' To 15', Add	*22.01*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.07*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.04*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	137.48	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.97*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	155.26	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.93*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.09*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.25*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	190.86	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	247.62	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.11*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.94*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	287.79	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	389.29	76.58
		For Elevated Installation >10' To 15', Add	*15.32*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.58*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.95*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	648.71	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.61*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	832.29	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.51*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.94*	
		For Work In Restricted Working Space, Add	*86.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.15*	
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,150.95	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.68*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,324.90	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.13*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	179.68	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	204.39	55.84
		For Elevated Installation >10' To 15', Add	*11.17*	
		For Elevated Installation >15' To 20', Add	*22.33*	
		For Elevated Installation >20' To 25', Add	*27.92*	
		For Elevated Installation >25' To 30', Add	*39.08*	
		For Elevated Installation >30' To 35', Add	*44.67*	
		For Elevated Installation >35' To 40', Add	*55.84*	
		For Elevated Installation >40', Add	*61.42*	
		For Work In Restricted Working Space, Add	*33.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.50*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036	EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	247.72	61.42
	For Elevated Installation >10' To 15', Add	*12.28*	
	For Elevated Installation >15' To 20', Add	*24.57*	
	For Elevated Installation >20' To 25', Add	*30.71*	
	For Elevated Installation >25' To 30', Add	*42.99*	
	For Elevated Installation >30' To 35', Add	*49.13*	
	For Elevated Installation >35' To 40', Add	*61.42*	
	For Elevated Installation >40', Add	*67.56*	
	For Work In Restricted Working Space, Add	*36.85*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.85*	
26 05 33 13-1037	EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	329.61	70.19
	For Elevated Installation >10' To 15', Add	*14.04*	
	For Elevated Installation >15' To 20', Add	*28.08*	
	For Elevated Installation >20' To 25', Add	*35.10*	
	For Elevated Installation >25' To 30', Add	*49.13*	
	For Elevated Installation >30' To 35', Add	*56.15*	
	For Elevated Installation >35' To 40', Add	*70.19*	
	For Elevated Installation >40', Add	*77.21*	
	For Work In Restricted Working Space, Add	*42.11*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.11*	
26 05 33 13-1038	EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	387.70	76.58
	For Elevated Installation >10' To 15', Add	*15.31*	
	For Elevated Installation >15' To 20', Add	*30.63*	
	For Elevated Installation >20' To 25', Add	*38.29*	
	For Elevated Installation >25' To 30', Add	*53.60*	
	For Elevated Installation >30' To 35', Add	*61.26*	
	For Elevated Installation >35' To 40', Add	*76.57*	
	For Elevated Installation >40', Add	*84.23*	
	For Work In Restricted Working Space, Add	*45.94*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.94*	
26 05 33 13-1039	EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	525.16	94.12
	For Elevated Installation >10' To 15', Add	*18.82*	
	For Elevated Installation >15' To 20', Add	*37.65*	
	For Elevated Installation >20' To 25', Add	*47.06*	
	For Elevated Installation >25' To 30', Add	*65.88*	
	For Elevated Installation >30' To 35', Add	*75.30*	
	For Elevated Installation >35' To 40', Add	*94.12*	
	For Elevated Installation >40', Add	*103.53*	
	For Work In Restricted Working Space, Add	*56.47*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.47*	

26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041	EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	158.03	43.87
	For Elevated Installation >10' To 15', Add	*8.77*	
	For Elevated Installation >15' To 20', Add	*17.55*	
	For Elevated Installation >20' To 25', Add	*21.94*	
	For Elevated Installation >25' To 30', Add	*30.71*	
	For Elevated Installation >30' To 35', Add	*35.10*	
	For Elevated Installation >35' To 40', Add	*43.87*	
	For Elevated Installation >40', Add	*48.26*	
	For Work In Restricted Working Space, Add	*26.32*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1042	EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	180.60	51.05
	For Elevated Installation >10' To 15', Add	*10.21*	
	For Elevated Installation >15' To 20', Add	*20.42*	
	For Elevated Installation >20' To 25', Add	*25.53*	
	For Elevated Installation >25' To 30', Add	*35.74*	
	For Elevated Installation >30' To 35', Add	*40.84*	
	For Elevated Installation >35' To 40', Add	*51.05*	
	For Elevated Installation >40', Add	*56.16*	
	For Work In Restricted Working Space, Add	*30.63*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.63*	
26 05 33 13-1043	EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	216.84	55.84
	For Elevated Installation >10' To 15', Add	*11.17*	
	For Elevated Installation >15' To 20', Add	*22.33*	
	For Elevated Installation >20' To 25', Add	*27.92*	
	For Elevated Installation >25' To 30', Add	*39.08*	
	For Elevated Installation >30' To 35', Add	*44.67*	
	For Elevated Installation >35' To 40', Add	*55.84*	
	For Elevated Installation >40', Add	*61.42*	
	For Work In Restricted Working Space, Add	*33.50*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.50*	
26 05 33 13-1044	EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	275.69	63.81
	For Elevated Installation >10' To 15', Add	*12.76*	
	For Elevated Installation >15' To 20', Add	*25.52*	
	For Elevated Installation >20' To 25', Add	*31.91*	
	For Elevated Installation >25' To 30', Add	*44.67*	
	For Elevated Installation >30' To 35', Add	*51.05*	
	For Elevated Installation >35' To 40', Add	*63.81*	
	For Elevated Installation >40', Add	*70.19*	
	For Work In Restricted Working Space, Add	*38.29*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	325.29	70.19
		For Elevated Installation >10' To 15', Add	*14.04*	
		For Elevated Installation >15' To 20', Add	*28.08*	
		For Elevated Installation >20' To 25', Add	*35.10*	
		For Elevated Installation >25' To 30', Add	*49.13*	
		For Elevated Installation >30' To 35', Add	*56.15*	
		For Elevated Installation >35' To 40', Add	*70.19*	
		For Elevated Installation >40', Add	*77.21*	
		For Work In Restricted Working Space, Add	*42.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.11*	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	432.82	82.16
		For Elevated Installation >10' To 15', Add	*16.43*	
		For Elevated Installation >15' To 20', Add	*32.86*	
		For Elevated Installation >20' To 25', Add	*41.08*	
		For Elevated Installation >25' To 30', Add	*57.51*	
		For Elevated Installation >30' To 35', Add	*65.72*	
		For Elevated Installation >35' To 40', Add	*82.16*	
		For Elevated Installation >40', Add	*90.37*	
		For Work In Restricted Working Space, Add	*49.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.29*	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	692.86	119.64
		For Elevated Installation >10' To 15', Add	*23.93*	
		For Elevated Installation >15' To 20', Add	*47.86*	
		For Elevated Installation >20' To 25', Add	*59.82*	
		For Elevated Installation >25' To 30', Add	*83.75*	
		For Elevated Installation >30' To 35', Add	*95.72*	
		For Elevated Installation >35' To 40', Add	*119.65*	
		For Elevated Installation >40', Add	*131.61*	
		For Work In Restricted Working Space, Add	*71.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.79*	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	916.31	155.54
		For Elevated Installation >10' To 15', Add	*31.11*	
		For Elevated Installation >15' To 20', Add	*62.21*	
		For Elevated Installation >20' To 25', Add	*77.77*	
		For Elevated Installation >25' To 30', Add	*108.87*	
		For Elevated Installation >30' To 35', Add	*124.42*	
		For Elevated Installation >35' To 40', Add	*155.53*	
		For Elevated Installation >40', Add	*171.08*	
		For Work In Restricted Working Space, Add	*93.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.32*	
26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,252.80	191.43
		For Elevated Installation >10' To 15', Add	*38.29*	
		For Elevated Installation >15' To 20', Add	*76.57*	
		For Elevated Installation >20' To 25', Add	*95.72*	
		For Elevated Installation >25' To 30', Add	*134.00*	
		For Elevated Installation >30' To 35', Add	*153.14*	
		For Elevated Installation >35' To 40', Add	*191.43*	
		For Elevated Installation >40', Add	*210.57*	
		For Work In Restricted Working Space, Add	*114.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.86*	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,404.83	230.51
		For Elevated Installation >10' To 15', Add	*46.11*	
		For Elevated Installation >15' To 20', Add	*92.21*	
		For Elevated Installation >20' To 25', Add	*115.26*	
		For Elevated Installation >25' To 30', Add	*161.37*	
		For Elevated Installation >30' To 35', Add	*184.42*	
		For Elevated Installation >35' To 40', Add	*230.53*	
		For Elevated Installation >40', Add	*253.58*	
		For Work In Restricted Working Space, Add	*138.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.32*	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*

26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	31.17	4.78
		For Elevated Installation >10' To 15', Add	*0.96*	
		For Elevated Installation >15' To 20', Add	*1.91*	
		For Elevated Installation >20' To 25', Add	*2.39*	
		For Elevated Installation >25' To 30', Add	*3.35*	
		For Elevated Installation >30' To 35', Add	*3.83*	
		For Elevated Installation >35' To 40', Add	*4.79*	
		For Elevated Installation >40', Add	*5.26*	
		For Work In Restricted Working Space, Add	*2.87*	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	35.03	5.58
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.23*	
		For Elevated Installation >20' To 25', Add	*2.79*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.14*	
		For Work In Restricted Working Space, Add	*3.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	45.64	7.18
		For Elevated Installation >10' To 15', Add	*1.44*	
		For Elevated Installation >15' To 20', Add	*2.87*	
		For Elevated Installation >20' To 25', Add	*3.59*	
		For Elevated Installation >25' To 30', Add	*5.02*	
		For Elevated Installation >30' To 35', Add	*5.74*	
		For Elevated Installation >35' To 40', Add	*7.18*	
		For Elevated Installation >40', Add	*7.89*	
		For Work In Restricted Working Space, Add	*4.31*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	58.58	8.77
		For Elevated Installation >10' To 15', Add	*1.76*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.78*	
		For Elevated Installation >40', Add	*9.65*	
		For Work In Restricted Working Space, Add	*5.27*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	65.74	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	81.13	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	104.47	13.56
		For Elevated Installation >10' To 15', Add	*2.71*	
		For Elevated Installation >15' To 20', Add	*5.42*	
		For Elevated Installation >20' To 25', Add	*6.78*	
		For Elevated Installation >25' To 30', Add	*9.49*	
		For Elevated Installation >30' To 35', Add	*10.85*	
		For Elevated Installation >35' To 40', Add	*13.56*	
		For Elevated Installation >40', Add	*14.92*	
		For Work In Restricted Working Space, Add	*8.14*	
26 05 33 13-1059	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	115.64	19.14
		For Elevated Installation >10' To 15', Add	*3.83*	
		For Elevated Installation >15' To 20', Add	*7.66*	
		For Elevated Installation >20' To 25', Add	*9.57*	
		For Elevated Installation >25' To 30', Add	*13.40*	
		For Elevated Installation >30' To 35', Add	*15.32*	
		For Elevated Installation >35' To 40', Add	*19.15*	
		For Elevated Installation >40', Add	*21.06*	
		For Work In Restricted Working Space, Add	*11.49*	
26 05 33 13-1060	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	140.06	21.54
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.61*	
		For Elevated Installation >20' To 25', Add	*10.77*	
		For Elevated Installation >25' To 30', Add	*15.07*	
		For Elevated Installation >30' To 35', Add	*17.23*	
		For Elevated Installation >35' To 40', Add	*21.54*	
		For Elevated Installation >40', Add	*23.69*	
		For Work In Restricted Working Space, Add	*12.92*	
26 05 33 13-1061	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	151.22	27.12
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.85*	
		For Elevated Installation >20' To 25', Add	*13.56*	
		For Elevated Installation >25' To 30', Add	*18.98*	
		For Elevated Installation >30' To 35', Add	*21.69*	
		For Elevated Installation >35' To 40', Add	*27.12*	
		For Elevated Installation >40', Add	*29.83*	
		For Work In Restricted Working Space, Add	*16.27*	

26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	153.85	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	170.84	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	199.22	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	236.02	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.94*	
26 05 33 13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	291.06	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.29*	
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	352.49	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.94*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	509.46	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.61*	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	654.98	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.15*	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,276.51	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,855.49	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.13*	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	254.43	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.97*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	274.83	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	313.89	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	352.00	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.94*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	424.56	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.29*	
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	479.48	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.94*	
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	674.58	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	937.76	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.15*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,358.63	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.68*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,962.95	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.13*	

26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	206.01	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.97*	
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	220.61	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	253.41	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	283.41	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.94*	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	384.63	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	481.90	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.94*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	744.79	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.61*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,080.62	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.15*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,358.63	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.68*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	268.65	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.97*	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	298.54	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	368.73	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	453.43	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	624.83	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.29*	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	748.87	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.94*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	54.21	15.34
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Work In Restricted Working Space, Add	*9.20*	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	71.29	18.40
		For Elevated Installation >10' To 15', Add	*3.68*	
		For Elevated Installation >15' To 20', Add	*7.36*	
		For Elevated Installation >20' To 25', Add	*9.20*	
		For Elevated Installation >25' To 30', Add	*12.88*	
		For Elevated Installation >30' To 35', Add	*14.72*	
		For Elevated Installation >35' To 40', Add	*18.41*	
		For Elevated Installation >40', Add	*20.25*	
		For Work In Restricted Working Space, Add	*11.04*	
26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	90.94	24.55
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.82*	
		For Elevated Installation >20' To 25', Add	*12.27*	
		For Elevated Installation >25' To 30', Add	*17.18*	
		For Elevated Installation >30' To 35', Add	*19.63*	
		For Elevated Installation >35' To 40', Add	*24.54*	
		For Elevated Installation >40', Add	*26.99*	
		For Work In Restricted Working Space, Add	*14.72*	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	124.19	30.68
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Work In Restricted Working Space, Add	*18.41*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	161.90	36.81
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.45*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
		For Work In Restricted Working Space, Add	*22.09*	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	272.54	42.95
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Work In Restricted Working Space, Add	*25.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	392.02	49.08
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Work In Restricted Working Space, Add	*29.45*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	487.26	55.22
		For Elevated Installation >10' To 15', Add	*11.04*	
		For Elevated Installation >15' To 20', Add	*22.09*	
		For Elevated Installation >20' To 25', Add	*27.61*	
		For Elevated Installation >25' To 30', Add	*38.65*	
		For Elevated Installation >30' To 35', Add	*44.18*	
		For Elevated Installation >35' To 40', Add	*55.22*	
		For Elevated Installation >40', Add	*60.74*	
		For Work In Restricted Working Space, Add	*33.13*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	674.48	64.43
		For Elevated Installation >10' To 15', Add	*12.89*	
		For Elevated Installation >15' To 20', Add	*25.77*	
		For Elevated Installation >20' To 25', Add	*32.21*	
		For Elevated Installation >25' To 30', Add	*45.10*	
		For Elevated Installation >30' To 35', Add	*51.54*	
		For Elevated Installation >35' To 40', Add	*64.43*	
		For Elevated Installation >40', Add	*70.87*	
		For Work In Restricted Working Space, Add	*38.66*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	817.55	73.63
		For Elevated Installation >10' To 15', Add	*14.73*	
		For Elevated Installation >15' To 20', Add	*29.45*	
		For Elevated Installation >20' To 25', Add	*36.82*	
		For Elevated Installation >25' To 30', Add	*51.54*	
		For Elevated Installation >30' To 35', Add	*58.90*	
		For Elevated Installation >35' To 40', Add	*73.63*	
		For Elevated Installation >40', Add	*80.99*	
		For Work In Restricted Working Space, Add	*44.18*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,308.13	116.58
		For Elevated Installation >10' To 15', Add	*23.32*	
		For Elevated Installation >15' To 20', Add	*46.63*	
		For Elevated Installation >20' To 25', Add	*58.29*	
		For Elevated Installation >25' To 30', Add	*81.61*	
		For Elevated Installation >30' To 35', Add	*93.26*	
		For Elevated Installation >35' To 40', Add	*116.58*	
		For Elevated Installation >40', Add	*128.24*	
		For Work In Restricted Working Space, Add	*69.95*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,793.80	177.93
		For Elevated Installation >10' To 15', Add	*35.59*	
		For Elevated Installation >15' To 20', Add	*71.17*	
		For Elevated Installation >20' To 25', Add	*88.97*	
		For Elevated Installation >25' To 30', Add	*124.55*	
		For Elevated Installation >30' To 35', Add	*142.35*	
		For Elevated Installation >35' To 40', Add	*177.94*	
		For Elevated Installation >40', Add	*195.73*	
		For Work In Restricted Working Space, Add	*106.76*	

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	194.96	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	229.57	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	254.42	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	361.39	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	472.75	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	512.61	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,188.13	106.08
		For Elevated Installation >10' To 15', Add	*21.22*	
		For Elevated Installation >15' To 20', Add	*42.44*	
		For Elevated Installation >20' To 25', Add	*53.05*	
		For Elevated Installation >25' To 30', Add	*74.26*	
		For Elevated Installation >30' To 35', Add	*84.87*	
		For Elevated Installation >35' To 40', Add	*106.09*	
		For Elevated Installation >40', Add	*116.70*	
		For Work In Restricted Working Space, Add	*63.65*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,263.33	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.51*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.94*	
		For Work In Restricted Working Space, Add	*86.15*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,049.84	179.46
		For Elevated Installation >10' To 15', Add	*35.90*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.74*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.58*	
		For Elevated Installation >35' To 40', Add	*179.48*	
		For Elevated Installation >40', Add	*197.42*	
		For Work In Restricted Working Space, Add	*107.69*	
26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,144.42	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.43*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*153.00*	
		For Elevated Installation >30' To 35', Add	*174.85*	
		For Elevated Installation >35' To 40', Add	*218.57*	
		For Elevated Installation >40', Add	*240.42*	
		For Work In Restricted Working Space, Add	*131.14*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	279.22	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	318.15	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	616.88	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	648.78	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	882.14	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	943.45	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,802.28	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,905.44	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,782.27	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1135	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	3,155.02	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1137	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	108.66	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1138	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	126.90	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-1139	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	151.43	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-1140	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	178.55	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	

26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1142	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	86.72	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	100.56	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	138.60	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	178.65	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	216.93	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	308.28	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	419.97	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	108.72	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	129.94	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	151.45	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	178.60	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	

26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	86.79	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	100.56	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	129.51	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	161.00	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	188.17	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	216.19	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	396.48	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1162		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	457.64	74.97
			For Elevated Installation >10' To 15', Add	*15.00*	
			For Elevated Installation >15' To 20', Add	*29.99*	
			For Elevated Installation >20' To 25', Add	*37.49*	
			For Elevated Installation >25' To 30', Add	*52.48*	
			For Elevated Installation >30' To 35', Add	*59.98*	
			For Elevated Installation >35' To 40', Add	*74.98*	
			For Elevated Installation >40', Add	*82.47*	
			For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-1163		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	494.74	84.54
			For Elevated Installation >10' To 15', Add	*16.91*	
			For Elevated Installation >15' To 20', Add	*33.82*	
			For Elevated Installation >20' To 25', Add	*42.28*	
			For Elevated Installation >25' To 30', Add	*59.19*	
			For Elevated Installation >30' To 35', Add	*67.64*	
			For Elevated Installation >35' To 40', Add	*84.55*	
			For Elevated Installation >40', Add	*93.01*	
			For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-1164		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	611.94	110.07
			For Elevated Installation >10' To 15', Add	*22.02*	
			For Elevated Installation >15' To 20', Add	*44.03*	
			For Elevated Installation >20' To 25', Add	*55.04*	
			For Elevated Installation >25' To 30', Add	*77.05*	
			For Elevated Installation >30' To 35', Add	*88.06*	
			For Elevated Installation >35' To 40', Add	*110.08*	
			For Elevated Installation >40', Add	*121.08*	
			For Work In Restricted Working Space, Add	*66.05*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0848)*

26 05 33 13-1166		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	180.75	38.29
			For Elevated Installation >10' To 15', Add	*7.66*	
			For Elevated Installation >15' To 20', Add	*15.32*	
			For Elevated Installation >20' To 25', Add	*19.15*	
			For Elevated Installation >25' To 30', Add	*26.80*	
			For Elevated Installation >30' To 35', Add	*30.63*	
			For Elevated Installation >35' To 40', Add	*38.29*	
			For Elevated Installation >40', Add	*42.12*	
			For Work In Restricted Working Space, Add	*22.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.97*	
26 05 33 13-1167		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	196.00	43.87
			For Elevated Installation >10' To 15', Add	*8.77*	
			For Elevated Installation >15' To 20', Add	*17.55*	
			For Elevated Installation >20' To 25', Add	*21.94*	
			For Elevated Installation >25' To 30', Add	*30.71*	
			For Elevated Installation >30' To 35', Add	*35.10*	
			For Elevated Installation >35' To 40', Add	*43.87*	
			For Elevated Installation >40', Add	*48.26*	
			For Work In Restricted Working Space, Add	*26.32*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.32*	
26 05 33 13-1168		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	215.17	50.26
			For Elevated Installation >10' To 15', Add	*10.05*	
			For Elevated Installation >15' To 20', Add	*20.10*	
			For Elevated Installation >20' To 25', Add	*25.13*	
			For Elevated Installation >25' To 30', Add	*35.18*	
			For Elevated Installation >30' To 35', Add	*40.20*	
			For Elevated Installation >35' To 40', Add	*50.25*	
			For Elevated Installation >40', Add	*55.28*	
			For Work In Restricted Working Space, Add	*30.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.15*	
26 05 33 13-1169		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	286.48	58.22
			For Elevated Installation >10' To 15', Add	*11.65*	
			For Elevated Installation >15' To 20', Add	*23.29*	
			For Elevated Installation >20' To 25', Add	*29.12*	
			For Elevated Installation >25' To 30', Add	*40.76*	
			For Elevated Installation >30' To 35', Add	*46.58*	
			For Elevated Installation >35' To 40', Add	*58.23*	
			For Elevated Installation >40', Add	*64.05*	
			For Work In Restricted Working Space, Add	*34.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.94*	
26 05 33 13-1170		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	361.70	63.81
			For Elevated Installation >10' To 15', Add	*12.76*	
			For Elevated Installation >15' To 20', Add	*25.52*	
			For Elevated Installation >20' To 25', Add	*31.91*	
			For Elevated Installation >25' To 30', Add	*44.67*	
			For Elevated Installation >30' To 35', Add	*51.05*	
			For Elevated Installation >35' To 40', Add	*63.81*	
			For Elevated Installation >40', Add	*70.19*	
			For Work In Restricted Working Space, Add	*38.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	215.53	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	232.92	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	271.97	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	385.07	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	617.17	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	668.94	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
26 05 33 13-1178		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	235.27	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	265.84	43.87
			For Elevated Installation >10' To 15', Add	*8.77*	
			For Elevated Installation >15' To 20', Add	*17.55*	
			For Elevated Installation >20' To 25', Add	*21.94*	
			For Elevated Installation >25' To 30', Add	*30.71*	
			For Elevated Installation >30' To 35', Add	*35.10*	
			For Elevated Installation >35' To 40', Add	*43.87*	
			For Elevated Installation >40', Add	*48.26*	
			For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1181		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	290.76	50.26
			For Elevated Installation >10' To 15', Add	*10.05*	
			For Elevated Installation >15' To 20', Add	*20.10*	
			For Elevated Installation >20' To 25', Add	*25.13*	
			For Elevated Installation >25' To 30', Add	*35.18*	
			For Elevated Installation >30' To 35', Add	*40.20*	
			For Elevated Installation >35' To 40', Add	*50.25*	
			For Elevated Installation >40', Add	*55.28*	
			For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1182		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	404.16	58.22
			For Elevated Installation >10' To 15', Add	*11.65*	
			For Elevated Installation >15' To 20', Add	*23.29*	
			For Elevated Installation >20' To 25', Add	*29.12*	
			For Elevated Installation >25' To 30', Add	*40.76*	
			For Elevated Installation >30' To 35', Add	*46.58*	
			For Elevated Installation >35' To 40', Add	*58.23*	
			For Elevated Installation >40', Add	*64.05*	
			For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1183		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	662.70	63.81
			For Elevated Installation >10' To 15', Add	*12.76*	
			For Elevated Installation >15' To 20', Add	*25.52*	
			For Elevated Installation >20' To 25', Add	*31.91*	
			For Elevated Installation >25' To 30', Add	*44.67*	
			For Elevated Installation >30' To 35', Add	*51.05*	
			For Elevated Installation >35' To 40', Add	*63.81*	
			For Elevated Installation >40', Add	*70.19*	
			For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1184		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	710.73	76.58
			For Elevated Installation >10' To 15', Add	*15.31*	
			For Elevated Installation >15' To 20', Add	*30.63*	
			For Elevated Installation >20' To 25', Add	*38.29*	
			For Elevated Installation >25' To 30', Add	*53.60*	
			For Elevated Installation >30' To 35', Add	*61.26*	
			For Elevated Installation >35' To 40', Add	*76.57*	
			For Elevated Installation >40', Add	*84.23*	
			For Work In Restricted Working Space, Add	*45.94*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1186		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	235.42	38.29
			For Elevated Installation >10' To 15', Add	*7.66*	
			For Elevated Installation >15' To 20', Add	*15.32*	
			For Elevated Installation >20' To 25', Add	*19.15*	
			For Elevated Installation >25' To 30', Add	*26.80*	
			For Elevated Installation >30' To 35', Add	*30.63*	
			For Elevated Installation >35' To 40', Add	*38.29*	
			For Elevated Installation >40', Add	*42.12*	
			For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1187		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	260.02	43.87
			For Elevated Installation >10' To 15', Add	*8.77*	
			For Elevated Installation >15' To 20', Add	*17.55*	
			For Elevated Installation >20' To 25', Add	*21.94*	
			For Elevated Installation >25' To 30', Add	*30.71*	
			For Elevated Installation >30' To 35', Add	*35.10*	
			For Elevated Installation >35' To 40', Add	*43.87*	
			For Elevated Installation >40', Add	*48.26*	
			For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1188		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	308.89	50.26
			For Elevated Installation >10' To 15', Add	*10.05*	
			For Elevated Installation >15' To 20', Add	*20.10*	
			For Elevated Installation >20' To 25', Add	*25.13*	
			For Elevated Installation >25' To 30', Add	*35.18*	
			For Elevated Installation >30' To 35', Add	*40.20*	
			For Elevated Installation >35' To 40', Add	*50.25*	
			For Elevated Installation >40', Add	*55.28*	
			For Work In Restricted Working Space, Add	*30.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	418.70	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	684.40	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	737.47	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	290.07	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	320.76	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	348.39	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	860.34	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	144.36	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	159.19	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	178.07	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	159.18	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	172.15	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	196.08	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	151.37	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	167.07	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	183.52	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	169.20	38.29
		For Elevated Installation >10' To 15', Add	*7.66*	
		For Elevated Installation >15' To 20', Add	*15.32*	
		For Elevated Installation >20' To 25', Add	*19.15*	
		For Elevated Installation >25' To 30', Add	*26.80*	
		For Elevated Installation >30' To 35', Add	*30.63*	
		For Elevated Installation >35' To 40', Add	*38.29*	
		For Elevated Installation >40', Add	*42.12*	
		For Work In Restricted Working Space, Add	*22.97*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	185.08	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	209.39	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	51.51	4.78
		For Elevated Installation >10' To 15', Add	*0.96*	
		For Elevated Installation >15' To 20', Add	*1.91*	
		For Elevated Installation >20' To 25', Add	*2.39*	
		For Elevated Installation >25' To 30', Add	*3.35*	
		For Elevated Installation >30' To 35', Add	*3.83*	
		For Elevated Installation >35' To 40', Add	*4.79*	
		For Elevated Installation >40', Add	*5.26*	
		For Work In Restricted Working Space, Add	*2.87*	
26 05 33 13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	69.83	5.58
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.23*	
		For Elevated Installation >20' To 25', Add	*2.79*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.14*	
		For Work In Restricted Working Space, Add	*3.35*	
26 05 33 13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	65.99	5.58
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.23*	
		For Elevated Installation >20' To 25', Add	*2.79*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.14*	
		For Work In Restricted Working Space, Add	*3.35*	
26 05 33 13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	58.81	5.58
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.23*	
		For Elevated Installation >20' To 25', Add	*2.79*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.14*	
		For Work In Restricted Working Space, Add	*3.35*	
26 05 33 13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	282.16	7.98
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.59*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.78*	
		For Work In Restricted Working Space, Add	*4.79*	
26 05 33 13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	251.02	7.98
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.59*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.78*	
		For Work In Restricted Working Space, Add	*4.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1218		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies** *(26 05 33 13-0848)* Note: Includes covers.		
26 05 33 13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	304.87	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	342.88	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	469.43	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	559.50	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	807.58	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,020.85	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,488.92	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,846.47	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	304.87	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	342.88	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	468.18	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	546.81	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	819.25	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,073.24	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,552.15	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,885.85	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	304.87	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	342.88	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	468.18	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	546.81	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	819.25	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,073.24	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,552.15	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,885.85	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	304.87	50.26
		For Elevated Installation >10' To 15', Add	*10.05*	
		For Elevated Installation >15' To 20', Add	*20.10*	
		For Elevated Installation >20' To 25', Add	*25.13*	
		For Elevated Installation >25' To 30', Add	*35.18*	
		For Elevated Installation >30' To 35', Add	*40.20*	
		For Elevated Installation >35' To 40', Add	*50.25*	
		For Elevated Installation >40', Add	*55.28*	
		For Work In Restricted Working Space, Add	*30.15*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	342.88	58.22
		For Elevated Installation >10' To 15', Add	*11.65*	
		For Elevated Installation >15' To 20', Add	*23.29*	
		For Elevated Installation >20' To 25', Add	*29.12*	
		For Elevated Installation >25' To 30', Add	*40.76*	
		For Elevated Installation >30' To 35', Add	*46.58*	
		For Elevated Installation >35' To 40', Add	*58.23*	
		For Elevated Installation >40', Add	*64.05*	
		For Work In Restricted Working Space, Add	*34.94*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	469.43	63.81
		For Elevated Installation >10' To 15', Add	*12.76*	
		For Elevated Installation >15' To 20', Add	*25.52*	
		For Elevated Installation >20' To 25', Add	*31.91*	
		For Elevated Installation >25' To 30', Add	*44.67*	
		For Elevated Installation >30' To 35', Add	*51.05*	
		For Elevated Installation >35' To 40', Add	*63.81*	
		For Elevated Installation >40', Add	*70.19*	
		For Work In Restricted Working Space, Add	*38.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	553.64	76.58
		For Elevated Installation >10' To 15', Add	*15.31*	
		For Elevated Installation >15' To 20', Add	*30.63*	
		For Elevated Installation >20' To 25', Add	*38.29*	
		For Elevated Installation >25' To 30', Add	*53.60*	
		For Elevated Installation >30' To 35', Add	*61.26*	
		For Elevated Installation >35' To 40', Add	*76.57*	
		For Elevated Installation >40', Add	*84.23*	
		For Work In Restricted Working Space, Add	*45.94*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	807.58	107.68
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.07*	
		For Elevated Installation >20' To 25', Add	*53.84*	
		For Elevated Installation >25' To 30', Add	*75.38*	
		For Elevated Installation >30' To 35', Add	*86.14*	
		For Elevated Installation >35' To 40', Add	*107.68*	
		For Elevated Installation >40', Add	*118.45*	
		For Work In Restricted Working Space, Add	*64.61*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,020.85	143.57
		For Elevated Installation >10' To 15', Add	*28.72*	
		For Elevated Installation >15' To 20', Add	*57.43*	
		For Elevated Installation >20' To 25', Add	*71.79*	
		For Elevated Installation >25' To 30', Add	*100.50*	
		For Elevated Installation >30' To 35', Add	*114.86*	
		For Elevated Installation >35' To 40', Add	*143.58*	
		For Elevated Installation >40', Add	*157.93*	
		For Work In Restricted Working Space, Add	*86.15*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,488.92	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,862.87	218.55
		For Elevated Installation >10' To 15', Add	*43.71*	
		For Elevated Installation >15' To 20', Add	*87.42*	
		For Elevated Installation >20' To 25', Add	*109.28*	
		For Elevated Installation >25' To 30', Add	*152.99*	
		For Elevated Installation >30' To 35', Add	*174.84*	
		For Elevated Installation >35' To 40', Add	*218.55*	
		For Elevated Installation >40', Add	*240.41*	
		For Work In Restricted Working Space, Add	*131.13*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	147.50	7.18
		For Elevated Installation >10' To 15', Add	*1.44*	
		For Elevated Installation >15' To 20', Add	*2.87*	
		For Elevated Installation >20' To 25', Add	*3.59*	
		For Elevated Installation >25' To 30', Add	*5.02*	
		For Elevated Installation >30' To 35', Add	*5.74*	
		For Elevated Installation >35' To 40', Add	*7.18*	
		For Elevated Installation >40', Add	*7.89*	
		For Work In Restricted Working Space, Add	*4.31*	
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	149.11	7.98
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.59*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.78*	
		For Work In Restricted Working Space, Add	*4.79*	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	210.75	11.17
		For Elevated Installation >10' To 15', Add	*2.23*	
		For Elevated Installation >15' To 20', Add	*4.47*	
		For Elevated Installation >20' To 25', Add	*5.58*	
		For Elevated Installation >25' To 30', Add	*7.82*	
		For Elevated Installation >30' To 35', Add	*8.93*	
		For Elevated Installation >35' To 40', Add	*11.17*	
		For Elevated Installation >40', Add	*12.28*	
		For Work In Restricted Working Space, Add	*6.70*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1255		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	213.95	12.76
			For Elevated Installation >10' To 15', Add	*2.55*	
			For Elevated Installation >15' To 20', Add	*5.11*	
			For Elevated Installation >20' To 25', Add	*6.38*	
			For Elevated Installation >25' To 30', Add	*8.94*	
			For Elevated Installation >30' To 35', Add	*10.21*	
			For Elevated Installation >35' To 40', Add	*12.77*	
			For Elevated Installation >40', Add	*14.04*	
			For Work In Restricted Working Space, Add	*7.66*	
26 05 33 13-1256		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	372.22	15.15
			For Elevated Installation >10' To 15', Add	*3.03*	
			For Elevated Installation >15' To 20', Add	*6.06*	
			For Elevated Installation >20' To 25', Add	*7.58*	
			For Elevated Installation >25' To 30', Add	*10.61*	
			For Elevated Installation >30' To 35', Add	*12.12*	
			For Elevated Installation >35' To 40', Add	*15.16*	
			For Elevated Installation >40', Add	*16.67*	
			For Work In Restricted Working Space, Add	*9.09*	
26 05 33 13-1257		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	380.20	19.14
			For Elevated Installation >10' To 15', Add	*3.83*	
			For Elevated Installation >15' To 20', Add	*7.66*	
			For Elevated Installation >20' To 25', Add	*9.57*	
			For Elevated Installation >25' To 30', Add	*13.40*	
			For Elevated Installation >30' To 35', Add	*15.32*	
			For Elevated Installation >35' To 40', Add	*19.15*	
			For Elevated Installation >40', Add	*21.06*	
			For Work In Restricted Working Space, Add	*11.49*	
26 05 33 13-1258		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	570.97	21.54
			For Elevated Installation >10' To 15', Add	*4.31*	
			For Elevated Installation >15' To 20', Add	*8.61*	
			For Elevated Installation >20' To 25', Add	*10.77*	
			For Elevated Installation >25' To 30', Add	*15.07*	
			For Elevated Installation >30' To 35', Add	*17.23*	
			For Elevated Installation >35' To 40', Add	*21.54*	
			For Elevated Installation >40', Add	*23.69*	
			For Work In Restricted Working Space, Add	*12.92*	
26 05 33 13-1259		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	583.74	27.91
			For Elevated Installation >10' To 15', Add	*5.58*	
			For Elevated Installation >15' To 20', Add	*11.17*	
			For Elevated Installation >20' To 25', Add	*13.96*	
			For Elevated Installation >25' To 30', Add	*19.54*	
			For Elevated Installation >30' To 35', Add	*22.34*	
			For Elevated Installation >35' To 40', Add	*27.92*	
			For Elevated Installation >40', Add	*30.71*	
			For Work In Restricted Working Space, Add	*16.75*	

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

26 05 33 13-1261		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	255.75	19.94
			For Elevated Installation >10' To 15', Add	*3.99*	
			For Elevated Installation >15' To 20', Add	*7.98*	
			For Elevated Installation >20' To 25', Add	*9.97*	
			For Elevated Installation >25' To 30', Add	*13.96*	
			For Elevated Installation >30' To 35', Add	*15.95*	
			For Elevated Installation >35' To 40', Add	*19.94*	
			For Elevated Installation >40', Add	*21.93*	
			For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1262		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	302.44	24.73
			For Elevated Installation >10' To 15', Add	*4.95*	
			For Elevated Installation >15' To 20', Add	*9.89*	
			For Elevated Installation >20' To 25', Add	*12.36*	
			For Elevated Installation >25' To 30', Add	*17.31*	
			For Elevated Installation >30' To 35', Add	*19.78*	
			For Elevated Installation >35' To 40', Add	*24.73*	
			For Elevated Installation >40', Add	*27.20*	
			For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-1263		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	358.24	30.31
			For Elevated Installation >10' To 15', Add	*6.06*	
			For Elevated Installation >15' To 20', Add	*12.12*	
			For Elevated Installation >20' To 25', Add	*15.16*	
			For Elevated Installation >25' To 30', Add	*21.22*	
			For Elevated Installation >30' To 35', Add	*24.25*	
			For Elevated Installation >35' To 40', Add	*30.31*	
			For Elevated Installation >40', Add	*33.34*	
			For Work In Restricted Working Space, Add	*18.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	440.81	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	587.67	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	811.07	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,156.61	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,439.66	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,015.21	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-1270	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,325.48	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

26 05 33 13-1272	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	403.64	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	420.07	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-1274	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	472.37	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-1275	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	571.25	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-1276	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	691.82	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-1277	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	882.77	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1278	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,301.03	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,632.65	74.97
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*29.99*	
		For Elevated Installation >20' To 25', Add	*37.49*	
		For Elevated Installation >25' To 30', Add	*52.48*	
		For Elevated Installation >30' To 35', Add	*59.98*	
		For Elevated Installation >35' To 40', Add	*74.98*	
		For Elevated Installation >40', Add	*82.47*	
		For Work In Restricted Working Space, Add	*44.99*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,077.52	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,601.42	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	85.19	9.57
		For Elevated Installation >10' To 15', Add	*1.91*	
		For Elevated Installation >15' To 20', Add	*3.83*	
		For Elevated Installation >20' To 25', Add	*4.79*	
		For Elevated Installation >25' To 30', Add	*6.70*	
		For Elevated Installation >30' To 35', Add	*7.66*	
		For Elevated Installation >35' To 40', Add	*9.57*	
		For Elevated Installation >40', Add	*10.53*	
		For Work In Restricted Working Space, Add	*5.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.74*	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	92.76	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	102.35	14.35
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.74*	
		For Elevated Installation >20' To 25', Add	*7.18*	
		For Elevated Installation >25' To 30', Add	*10.05*	
		For Elevated Installation >30' To 35', Add	*11.49*	
		For Elevated Installation >35' To 40', Add	*14.36*	
		For Elevated Installation >40', Add	*15.80*	
		For Work In Restricted Working Space, Add	*8.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.62*	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	116.12	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	155.27	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	189.24	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	269.90	27.91
		For Elevated Installation >10' To 15', Add	*5.58*	
		For Elevated Installation >15' To 20', Add	*11.17*	
		For Elevated Installation >20' To 25', Add	*13.96*	
		For Elevated Installation >25' To 30', Add	*19.54*	
		For Elevated Installation >30' To 35', Add	*22.34*	
		For Elevated Installation >35' To 40', Add	*27.92*	
		For Elevated Installation >40', Add	*30.71*	
		For Work In Restricted Working Space, Add	*16.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	352.61	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*15.00*	
		For Elevated Installation >20' To 25', Add	*18.75*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.24*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	448.83	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	564.97	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	707.70	89.33
		For Elevated Installation >10' To 15', Add	*17.87*	
		For Elevated Installation >15' To 20', Add	*35.73*	
		For Elevated Installation >20' To 25', Add	*44.67*	
		For Elevated Installation >25' To 30', Add	*62.53*	
		For Elevated Installation >30' To 35', Add	*71.47*	
		For Elevated Installation >35' To 40', Add	*89.34*	
		For Elevated Installation >40', Add	*98.27*	
		For Work In Restricted Working Space, Add	*53.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.60*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,067.34	134.80
		For Elevated Installation >10' To 15', Add	*26.96*	
		For Elevated Installation >15' To 20', Add	*53.92*	
		For Elevated Installation >20' To 25', Add	*67.40*	
		For Elevated Installation >25' To 30', Add	*94.36*	
		For Elevated Installation >30' To 35', Add	*107.84*	
		For Elevated Installation >35' To 40', Add	*134.80*	
		For Elevated Installation >40', Add	*148.28*	
		For Work In Restricted Working Space, Add	*80.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.88*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	127.20	9.57
		For Elevated Installation >10' To 15', Add	*1.91*	
		For Elevated Installation >15' To 20', Add	*3.83*	
		For Elevated Installation >20' To 25', Add	*4.79*	
		For Elevated Installation >25' To 30', Add	*6.70*	
		For Elevated Installation >30' To 35', Add	*7.66*	
		For Elevated Installation >35' To 40', Add	*9.57*	
		For Elevated Installation >40', Add	*10.53*	
		For Work In Restricted Working Space, Add	*5.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.74*	
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	135.07	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	145.60	14.35
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.74*	
		For Elevated Installation >20' To 25', Add	*7.18*	
		For Elevated Installation >25' To 30', Add	*10.05*	
		For Elevated Installation >30' To 35', Add	*11.49*	
		For Elevated Installation >35' To 40', Add	*14.36*	
		For Elevated Installation >40', Add	*15.80*	
		For Work In Restricted Working Space, Add	*8.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	166.54	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	179.08	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	202.50	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	307.12	27.91
		For Elevated Installation >10' To 15', Add	*5.58*	
		For Elevated Installation >15' To 20', Add	*11.17*	
		For Elevated Installation >20' To 25', Add	*13.96*	
		For Elevated Installation >25' To 30', Add	*19.54*	
		For Elevated Installation >30' To 35', Add	*22.34*	
		For Elevated Installation >35' To 40', Add	*27.92*	
		For Elevated Installation >40', Add	*30.71*	
		For Work In Restricted Working Space, Add	*16.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.75*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	368.65	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*15.00*	
		For Elevated Installation >20' To 25', Add	*18.75*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.24*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	452.30	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	587.34	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	914.63	89.33
		For Elevated Installation >10' To 15', Add	*17.87*	
		For Elevated Installation >15' To 20', Add	*35.73*	
		For Elevated Installation >20' To 25', Add	*44.67*	
		For Elevated Installation >25' To 30', Add	*62.53*	
		For Elevated Installation >30' To 35', Add	*71.47*	
		For Elevated Installation >35' To 40', Add	*89.34*	
		For Elevated Installation >40', Add	*98.27*	
		For Work In Restricted Working Space, Add	*53.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,493.79	134.80
		For Elevated Installation >10' To 15', Add	*26.96*	
		For Elevated Installation >15' To 20', Add	*53.92*	
		For Elevated Installation >20' To 25', Add	*67.40*	
		For Elevated Installation >25' To 30', Add	*94.36*	
		For Elevated Installation >30' To 35', Add	*107.84*	
		For Elevated Installation >35' To 40', Add	*134.80*	
		For Elevated Installation >40', Add	*148.28*	
		For Work In Restricted Working Space, Add	*80.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.88*	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	136.54	9.57
		For Elevated Installation >10' To 15', Add	*1.91*	
		For Elevated Installation >15' To 20', Add	*3.83*	
		For Elevated Installation >20' To 25', Add	*4.79*	
		For Elevated Installation >25' To 30', Add	*6.70*	
		For Elevated Installation >30' To 35', Add	*7.66*	
		For Elevated Installation >35' To 40', Add	*9.57*	
		For Elevated Installation >40', Add	*10.53*	
		For Work In Restricted Working Space, Add	*5.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.74*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	143.94	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	154.86	14.35
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.74*	
		For Elevated Installation >20' To 25', Add	*7.18*	
		For Elevated Installation >25' To 30', Add	*10.05*	
		For Elevated Installation >30' To 35', Add	*11.49*	
		For Elevated Installation >35' To 40', Add	*14.36*	
		For Elevated Installation >40', Add	*15.80*	
		For Work In Restricted Working Space, Add	*8.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.62*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	194.67	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	213.03	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	225.93	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	104.70	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	115.45	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	149.09	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	212.58	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	251.51	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	316.62	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	419.94	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	537.27	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	699.01	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	900.56	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,630.71	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	2,053.87	269.60
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	
		For Work In Restricted Working Space, Add	*161.76*	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	106.88	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	123.78	24.73
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.89*	
		For Elevated Installation >20' To 25', Add	*12.36*	
		For Elevated Installation >25' To 30', Add	*17.31*	
		For Elevated Installation >30' To 35', Add	*19.78*	
		For Elevated Installation >35' To 40', Add	*24.73*	
		For Elevated Installation >40', Add	*27.20*	
		For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	153.54	30.31
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.16*	
		For Elevated Installation >25' To 30', Add	*21.22*	
		For Elevated Installation >30' To 35', Add	*24.25*	
		For Elevated Installation >35' To 40', Add	*30.31*	
		For Elevated Installation >40', Add	*33.34*	
		For Work In Restricted Working Space, Add	*18.19*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	220.74	35.10
		For Elevated Installation >10' To 15', Add	*7.02*	
		For Elevated Installation >15' To 20', Add	*14.04*	
		For Elevated Installation >20' To 25', Add	*17.55*	
		For Elevated Installation >25' To 30', Add	*24.57*	
		For Elevated Installation >30' To 35', Add	*28.08*	
		For Elevated Installation >35' To 40', Add	*35.10*	
		For Elevated Installation >40', Add	*38.60*	
		For Work In Restricted Working Space, Add	*21.06*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	262.83	39.88
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Work In Restricted Working Space, Add	*23.93*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	341.08	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	472.28	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	590.48	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.03*	
		For Elevated Installation >35' To 40', Add	*55.04*	
		For Elevated Installation >40', Add	*60.54*	
		For Work In Restricted Working Space, Add	*33.02*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	795.22	84.54
		For Elevated Installation >10' To 15', Add	*16.91*	
		For Elevated Installation >15' To 20', Add	*33.82*	
		For Elevated Installation >20' To 25', Add	*42.28*	
		For Elevated Installation >25' To 30', Add	*59.19*	
		For Elevated Installation >30' To 35', Add	*67.64*	
		For Elevated Installation >35' To 40', Add	*84.55*	
		For Elevated Installation >40', Add	*93.01*	
		For Work In Restricted Working Space, Add	*50.73*	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	996.42	110.07
		For Elevated Installation >10' To 15', Add	*22.02*	
		For Elevated Installation >15' To 20', Add	*44.03*	
		For Elevated Installation >20' To 25', Add	*55.04*	
		For Elevated Installation >25' To 30', Add	*77.05*	
		For Elevated Installation >30' To 35', Add	*88.06*	
		For Elevated Installation >35' To 40', Add	*110.08*	
		For Elevated Installation >40', Add	*121.08*	
		For Work In Restricted Working Space, Add	*66.05*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,806.42	179.46
		For Elevated Installation >10' To 15', Add	*35.89*	
		For Elevated Installation >15' To 20', Add	*71.79*	
		For Elevated Installation >20' To 25', Add	*89.73*	
		For Elevated Installation >25' To 30', Add	*125.63*	
		For Elevated Installation >30' To 35', Add	*143.57*	
		For Elevated Installation >35' To 40', Add	*179.47*	
		For Elevated Installation >40', Add	*197.41*	
		For Work In Restricted Working Space, Add	*107.68*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,337.60	269.60
		For Elevated Installation >10' To 15', Add	*53.92*	
		For Elevated Installation >15' To 20', Add	*107.84*	
		For Elevated Installation >20' To 25', Add	*134.80*	
		For Elevated Installation >25' To 30', Add	*188.72*	
		For Elevated Installation >30' To 35', Add	*215.68*	
		For Elevated Installation >35' To 40', Add	*269.60*	
		For Elevated Installation >40', Add	*296.56*	
		For Work In Restricted Working Space, Add	*161.76*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	56.61	6.38
		For Elevated Installation >10' To 15', Add	*1.28*	
		For Elevated Installation >15' To 20', Add	*2.55*	
		For Elevated Installation >20' To 25', Add	*3.19*	
		For Elevated Installation >25' To 30', Add	*4.47*	
		For Elevated Installation >30' To 35', Add	*5.10*	
		For Elevated Installation >35' To 40', Add	*6.38*	
		For Elevated Installation >40', Add	*7.02*	
		For Work In Restricted Working Space, Add	*3.83*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	62.44	7.98
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.59*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.78*	
		For Work In Restricted Working Space, Add	*4.79*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	70.63	7.98
		For Elevated Installation >10' To 15', Add	*1.60*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.59*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.98*	
		For Elevated Installation >40', Add	*8.78*	
		For Work In Restricted Working Space, Add	*4.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	86.91	8.77
		For Elevated Installation >10' To 15', Add	*1.76*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.78*	
		For Elevated Installation >40', Add	*9.65*	
		For Work In Restricted Working Space, Add	*5.27*	
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	91.63	8.77
		For Elevated Installation >10' To 15', Add	*1.76*	
		For Elevated Installation >15' To 20', Add	*3.51*	
		For Elevated Installation >20' To 25', Add	*4.39*	
		For Elevated Installation >25' To 30', Add	*6.14*	
		For Elevated Installation >30' To 35', Add	*7.02*	
		For Elevated Installation >35' To 40', Add	*8.78*	
		For Elevated Installation >40', Add	*9.65*	
		For Work In Restricted Working Space, Add	*5.27*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	79.68	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	90.23	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	137.67	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	153.19	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.79*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.38*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.97*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	149.09	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.79*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.38*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.97*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	156.70	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.79*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.38*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.97*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	175.84	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.79*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.38*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.97*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	175.48	14.35
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.74*	
		For Elevated Installation >20' To 25', Add	*7.18*	
		For Elevated Installation >25' To 30', Add	*10.05*	
		For Elevated Installation >30' To 35', Add	*11.49*	
		For Elevated Installation >35' To 40', Add	*14.36*	
		For Elevated Installation >40', Add	*15.80*	
		For Work In Restricted Working Space, Add	*8.62*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	224.31	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	328.15	23.13
		For Elevated Installation >10' To 15', Add	*4.63*	
		For Elevated Installation >15' To 20', Add	*9.25*	
		For Elevated Installation >20' To 25', Add	*11.57*	
		For Elevated Installation >25' To 30', Add	*16.19*	
		For Elevated Installation >30' To 35', Add	*18.50*	
		For Elevated Installation >35' To 40', Add	*23.13*	
		For Elevated Installation >40', Add	*25.44*	
		For Work In Restricted Working Space, Add	*13.88*	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	439.39	31.90
		For Elevated Installation >10' To 15', Add	*6.38*	
		For Elevated Installation >15' To 20', Add	*12.76*	
		For Elevated Installation >20' To 25', Add	*15.96*	
		For Elevated Installation >25' To 30', Add	*22.34*	
		For Elevated Installation >30' To 35', Add	*25.53*	
		For Elevated Installation >35' To 40', Add	*31.91*	
		For Elevated Installation >40', Add	*35.10*	
		For Work In Restricted Working Space, Add	*19.15*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	550.80	43.87
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.55*	
		For Elevated Installation >20' To 25', Add	*21.94*	
		For Elevated Installation >25' To 30', Add	*30.71*	
		For Elevated Installation >30' To 35', Add	*35.10*	
		For Elevated Installation >35' To 40', Add	*43.87*	
		For Elevated Installation >40', Add	*48.26*	
		For Work In Restricted Working Space, Add	*26.32*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.52	9.57
		For Elevated Installation >10' To 15', Add	*1.91*	
		For Elevated Installation >15' To 20', Add	*3.83*	
		For Elevated Installation >20' To 25', Add	*4.79*	
		For Elevated Installation >25' To 30', Add	*6.70*	
		For Elevated Installation >30' To 35', Add	*7.66*	
		For Elevated Installation >35' To 40', Add	*9.57*	
		For Elevated Installation >40', Add	*10.53*	
		For Work In Restricted Working Space, Add	*5.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.74*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.65	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.07	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.41	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.99	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.48	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.17	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.61	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.10	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.88	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.92	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.66	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.34	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.94	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.44	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.23	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.82	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.04	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.73	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.50	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.89	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.84	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	77.63	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	106.57	27.12
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.85*	
		For Elevated Installation >20' To 25', Add	*13.56*	
		For Elevated Installation >25' To 30', Add	*18.98*	
		For Elevated Installation >30' To 35', Add	*21.69*	
		For Elevated Installation >35' To 40', Add	*27.12*	
		For Elevated Installation >40', Add	*29.83*	
		For Work In Restricted Working Space, Add	*16.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.27*	
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	139.01	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*14.99*	
		For Elevated Installation >20' To 25', Add	*18.74*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.23*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.22	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.05	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.85	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.35	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.45	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.45	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	109.05	27.12
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.85*	
		For Elevated Installation >20' To 25', Add	*13.56*	
		For Elevated Installation >25' To 30', Add	*18.98*	
		For Elevated Installation >30' To 35', Add	*21.69*	
		For Elevated Installation >35' To 40', Add	*27.12*	
		For Elevated Installation >40', Add	*29.83*	
		For Work In Restricted Working Space, Add	*16.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.27*	
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	144.36	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*14.99*	
		For Elevated Installation >20' To 25', Add	*18.74*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.23*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	171.08	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	202.65	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.55	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.41	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.23	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.03	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.15	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	81.98	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	118.95	27.12
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.85*	
		For Elevated Installation >20' To 25', Add	*13.56*	
		For Elevated Installation >25' To 30', Add	*18.98*	
		For Elevated Installation >30' To 35', Add	*21.69*	
		For Elevated Installation >35' To 40', Add	*27.12*	
		For Elevated Installation >40', Add	*29.83*	
		For Work In Restricted Working Space, Add	*16.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.27*	
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.37	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*14.99*	
		For Elevated Installation >20' To 25', Add	*18.74*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.23*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	172.79	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	207.22	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	302.67	75.77
		For Elevated Installation >10' To 15', Add	*15.15*	
		For Elevated Installation >15' To 20', Add	*30.31*	
		For Elevated Installation >20' To 25', Add	*37.89*	
		For Elevated Installation >25' To 30', Add	*53.04*	
		For Elevated Installation >30' To 35', Add	*60.62*	
		For Elevated Installation >35' To 40', Add	*75.77*	
		For Elevated Installation >40', Add	*83.35*	
		For Work In Restricted Working Space, Add	*45.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.46*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.18	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.03	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.90	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.28	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.66	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	83.51	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	128.99	27.12
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.85*	
		For Elevated Installation >20' To 25', Add	*13.56*	
		For Elevated Installation >25' To 30', Add	*18.98*	
		For Elevated Installation >30' To 35', Add	*21.69*	
		For Elevated Installation >35' To 40', Add	*27.12*	
		For Elevated Installation >40', Add	*29.83*	
		For Work In Restricted Working Space, Add	*16.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.27*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	163.02	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*14.99*	
		For Elevated Installation >20' To 25', Add	*18.74*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.23*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	182.38	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	223.40	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	326.85	75.77
		For Elevated Installation >10' To 15', Add	*15.15*	
		For Elevated Installation >15' To 20', Add	*30.31*	
		For Elevated Installation >20' To 25', Add	*37.89*	
		For Elevated Installation >25' To 30', Add	*53.04*	
		For Elevated Installation >30' To 35', Add	*60.62*	
		For Elevated Installation >35' To 40', Add	*75.77*	
		For Elevated Installation >40', Add	*83.35*	
		For Work In Restricted Working Space, Add	*45.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.46*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.15	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.99	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.41	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.61	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	76.72	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	90.99	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	141.35	27.12
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.85*	
		For Elevated Installation >20' To 25', Add	*13.56*	
		For Elevated Installation >25' To 30', Add	*18.98*	
		For Elevated Installation >30' To 35', Add	*21.69*	
		For Elevated Installation >35' To 40', Add	*27.12*	
		For Elevated Installation >40', Add	*29.83*	
		For Work In Restricted Working Space, Add	*16.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.27*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	177.58	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*14.99*	
		For Elevated Installation >20' To 25', Add	*18.74*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.23*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	206.39	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	247.68	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	343.43	75.77
		For Elevated Installation >10' To 15', Add	*15.15*	
		For Elevated Installation >15' To 20', Add	*30.31*	
		For Elevated Installation >20' To 25', Add	*37.89*	
		For Elevated Installation >25' To 30', Add	*53.04*	
		For Elevated Installation >30' To 35', Add	*60.62*	
		For Elevated Installation >35' To 40', Add	*75.77*	
		For Elevated Installation >40', Add	*83.35*	
		For Work In Restricted Working Space, Add	*45.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.46*	
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.18	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.99	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.89	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.13	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	84.00	19.94
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.98*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.96*	
		For Elevated Installation >30' To 35', Add	*15.95*	
		For Elevated Installation >35' To 40', Add	*19.94*	
		For Elevated Installation >40', Add	*21.93*	
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	101.99	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	154.41	27.12
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.85*	
		For Elevated Installation >20' To 25', Add	*13.56*	
		For Elevated Installation >25' To 30', Add	*18.98*	
		For Elevated Installation >30' To 35', Add	*21.69*	
		For Elevated Installation >35' To 40', Add	*27.12*	
		For Elevated Installation >40', Add	*29.83*	
		For Work In Restricted Working Space, Add	*16.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	196.24	37.49
		For Elevated Installation >10' To 15', Add	*7.50*	
		For Elevated Installation >15' To 20', Add	*14.99*	
		For Elevated Installation >20' To 25', Add	*18.74*	
		For Elevated Installation >25' To 30', Add	*26.24*	
		For Elevated Installation >30' To 35', Add	*29.99*	
		For Elevated Installation >35' To 40', Add	*37.49*	
		For Elevated Installation >40', Add	*41.23*	
		For Work In Restricted Working Space, Add	*22.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	231.60	42.28
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	290.17	55.04
		For Elevated Installation >10' To 15', Add	*11.01*	
		For Elevated Installation >15' To 20', Add	*22.01*	
		For Elevated Installation >20' To 25', Add	*27.52*	
		For Elevated Installation >25' To 30', Add	*38.52*	
		For Elevated Installation >30' To 35', Add	*44.02*	
		For Elevated Installation >35' To 40', Add	*55.03*	
		For Elevated Installation >40', Add	*60.53*	
		For Work In Restricted Working Space, Add	*33.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	376.50	75.77
		For Elevated Installation >10' To 15', Add	*15.15*	
		For Elevated Installation >15' To 20', Add	*30.31*	
		For Elevated Installation >20' To 25', Add	*37.89*	
		For Elevated Installation >25' To 30', Add	*53.04*	
		For Elevated Installation >30' To 35', Add	*60.62*	
		For Elevated Installation >35' To 40', Add	*75.77*	
		For Elevated Installation >40', Add	*83.35*	
		For Work In Restricted Working Space, Add	*45.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.46*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.24	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.19*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.30*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.41*	
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.17	11.97
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.57*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.16*	
		For Work In Restricted Working Space, Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.18*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.66	15.15
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.16*	
		For Elevated Installation >40', Add	*16.67*	
		For Work In Restricted Working Space, Add	*9.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.57	17.55
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Work In Restricted Working Space, Add	*10.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443		EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	92.82	19.94
			For Elevated Installation >10' To 15', Add	*3.99*	
			For Elevated Installation >15' To 20', Add	*7.98*	
			For Elevated Installation >20' To 25', Add	*9.97*	
			For Elevated Installation >25' To 30', Add	*13.96*	
			For Elevated Installation >30' To 35', Add	*15.95*	
			For Elevated Installation >35' To 40', Add	*19.94*	
			For Elevated Installation >40', Add	*21.93*	
			For Work In Restricted Working Space, Add	*11.96*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1444		EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	110.83	22.33
			For Elevated Installation >10' To 15', Add	*4.47*	
			For Elevated Installation >15' To 20', Add	*8.93*	
			For Elevated Installation >20' To 25', Add	*11.17*	
			For Elevated Installation >25' To 30', Add	*15.63*	
			For Elevated Installation >30' To 35', Add	*17.86*	
			For Elevated Installation >35' To 40', Add	*22.33*	
			For Elevated Installation >40', Add	*24.56*	
			For Work In Restricted Working Space, Add	*13.40*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 33 13-1445		EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	171.83	27.12
			For Elevated Installation >10' To 15', Add	*5.42*	
			For Elevated Installation >15' To 20', Add	*10.85*	
			For Elevated Installation >20' To 25', Add	*13.56*	
			For Elevated Installation >25' To 30', Add	*18.98*	
			For Elevated Installation >30' To 35', Add	*21.69*	
			For Elevated Installation >35' To 40', Add	*27.12*	
			For Elevated Installation >40', Add	*29.83*	
			For Work In Restricted Working Space, Add	*16.27*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.27*	
26 05 33 13-1446		EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	224.22	37.49
			For Elevated Installation >10' To 15', Add	*7.50*	
			For Elevated Installation >15' To 20', Add	*14.99*	
			For Elevated Installation >20' To 25', Add	*18.74*	
			For Elevated Installation >25' To 30', Add	*26.24*	
			For Elevated Installation >30' To 35', Add	*29.99*	
			For Elevated Installation >35' To 40', Add	*37.49*	
			For Elevated Installation >40', Add	*41.23*	
			For Work In Restricted Working Space, Add	*22.49*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.49*	
26 05 33 13-1447		EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	247.07	42.28
			For Elevated Installation >10' To 15', Add	*8.45*	
			For Elevated Installation >15' To 20', Add	*16.91*	
			For Elevated Installation >20' To 25', Add	*21.14*	
			For Elevated Installation >25' To 30', Add	*29.59*	
			For Elevated Installation >30' To 35', Add	*33.82*	
			For Elevated Installation >35' To 40', Add	*42.27*	
			For Elevated Installation >40', Add	*46.50*	
			For Work In Restricted Working Space, Add	*25.36*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.36*	
26 05 33 13-1448		EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	303.20	55.04
			For Elevated Installation >10' To 15', Add	*11.01*	
			For Elevated Installation >15' To 20', Add	*22.01*	
			For Elevated Installation >20' To 25', Add	*27.52*	
			For Elevated Installation >25' To 30', Add	*38.52*	
			For Elevated Installation >30' To 35', Add	*44.02*	
			For Elevated Installation >35' To 40', Add	*55.03*	
			For Elevated Installation >40', Add	*60.53*	
			For Work In Restricted Working Space, Add	*33.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-1449		EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	381.22	75.77
			For Elevated Installation >10' To 15', Add	*15.15*	
			For Elevated Installation >15' To 20', Add	*30.31*	
			For Elevated Installation >20' To 25', Add	*37.89*	
			For Elevated Installation >25' To 30', Add	*53.04*	
			For Elevated Installation >30' To 35', Add	*60.62*	
			For Elevated Installation >35' To 40', Add	*75.77*	
			For Elevated Installation >40', Add	*83.35*	
			For Work In Restricted Working Space, Add	*45.46*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.46*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452		LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.20	2.46
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.92*	
			For Work In Restricted Working Space, Add	*1.84*	
26 05 33 13-1453		LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.18	2.70
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.01*	
			For Work In Restricted Working Space, Add	*2.03*	
26 05 33 13-1454		LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	9.41	2.95
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.11*	
			For Work In Restricted Working Space, Add	*2.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.65	3.19
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.20*	
		For Work In Restricted Working Space, Add	*2.39*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.90	3.44
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.29*	
		For Work In Restricted Working Space, Add	*2.58*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	14.24	3.93
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	19.26	4.91
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.84*	
		For Work In Restricted Working Space, Add	*3.68*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	23.91	5.89
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.21*	
		For Work In Restricted Working Space, Add	*4.42*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	29.43	7.37
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.76*	
		For Work In Restricted Working Space, Add	*5.52*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	36.38	9.32
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.50*	
		For Work In Restricted Working Space, Add	*6.99*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	48.15	11.78
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.42*	
		For Work In Restricted Working Space, Add	*8.84*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	61.42	14.72
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.52*	
		For Work In Restricted Working Space, Add	*11.04*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	43.29	12.76
		For Work In Restricted Working Space, Add	*9.57*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	54.30	14.48
		For Work In Restricted Working Space, Add	*10.86*	
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	65.81	16.69
		For Work In Restricted Working Space, Add	*12.52*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	83.31	19.14
		For Work In Restricted Working Space, Add	*14.36*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	118.03	23.31
		For Work In Restricted Working Space, Add	*17.48*	
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	167.75	30.19
		For Work In Restricted Working Space, Add	*22.64*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	228.61	33.87
		For Work In Restricted Working Space, Add	*25.40*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	276.81	42.46
		For Work In Restricted Working Space, Add	*31.84*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	677.67	69.21
		For Work In Restricted Working Space, Add	*51.91*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	958.36	104.06
		For Work In Restricted Working Space, Add	*78.05*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	13.14	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	19.45	6.38
		For Work In Restricted Working Space, Add	*4.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	20.20	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	22.71	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	27.79	10.79
		For Work In Restricted Working Space, Add	*8.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	33.83	13.01
		For Work In Restricted Working Space, Add	*9.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.75*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	41.36	15.47
		For Work In Restricted Working Space, Add	*11.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.60*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	48.17	17.67
		For Work In Restricted Working Space, Add	*13.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	52.11	19.14
		For Work In Restricted Working Space, Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.36*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	56.65	20.62
		For Work In Restricted Working Space, Add	*15.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut	75.11	27.48
		For Work In Restricted Working Space, Add	*20.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.62*	
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut	111.86	41.23
		For Work In Restricted Working Space, Add	*30.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	

26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.69	1.85
		For Schedule 60, Add	*0.49*	
		For Schedule 80, Add	*0.83*	
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.49	2.03
		For Schedule 60, Add	*0.60*	
		For Schedule 80, Add	*1.00*	
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	8.04	2.37
		For Schedule 60, Add	*0.82*	
		For Schedule 80, Add	*1.33*	
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.58	2.71
		For Schedule 60, Add	*1.04*	
		For Schedule 80, Add	*1.66*	
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	11.27	3.16
		For Schedule 60, Add	*1.23*	
		For Schedule 80, Add	*1.96*	
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	13.45	3.62
		For Schedule 60, Add	*1.55*	
		For Schedule 80, Add	*2.45*	
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	17.79	4.30
		For Schedule 60, Add	*2.30*	
		For Schedule 80, Add	*3.54*	
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	20.83	4.98
		For Schedule 60, Add	*2.72*	
		For Schedule 80, Add	*4.18*	
26 05 33 13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	25.42	5.88
		For Schedule 60, Add	*3.42*	
		For Schedule 80, Add	*5.22*	
26 05 33 13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	29.88	7.24
		For Schedule 60, Add	*3.85*	
		For Schedule 80, Add	*5.93*	
26 05 33 13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	42.62	10.18
		For Schedule 60, Add	*5.57*	
		For Schedule 80, Add	*8.55*	
26 05 33 13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	56.61	13.57
		For Schedule 60, Add	*7.37*	
		For Schedule 80, Add	*11.33*	

26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1503	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	24.02	9.04
		For Schedule 60, Add	*1.48*	
		For Schedule 80, Add	*2.75*	
26 05 33 13-1504	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	26.56	9.96
		For Schedule 60, Add	*1.66*	
		For Schedule 80, Add	*3.08*	
26 05 33 13-1505	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	30.89	11.31
		For Schedule 60, Add	*2.07*	
		For Schedule 80, Add	*3.74*	
26 05 33 13-1506	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	39.98	14.48
		For Schedule 60, Add	*2.76*	
		For Schedule 80, Add	*4.94*	
26 05 33 13-1507	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	50.37	18.10
		For Schedule 60, Add	*3.54*	
		For Schedule 80, Add	*6.32*	
26 05 33 13-1508	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	63.66	22.63
		For Schedule 60, Add	*4.61*	
		For Schedule 80, Add	*8.14*	
26 05 33 13-1509	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	80.38	27.14
		For Schedule 60, Add	*6.52*	
		For Schedule 80, Add	*11.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	99.57	31.67
		For Schedule 60, Add	*9.06*	
		For Schedule 80, Add	*15.05*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	124.47	38.46
		For Schedule 60, Add	*11.89*	
		For Schedule 80, Add	*19.53*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	149.55	45.24
		For Schedule 60, Add	*14.77*	
		For Schedule 80, Add	*24.07*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	205.73	56.55
		For Schedule 60, Add	*23.16*	
		For Schedule 80, Add	*36.66*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	251.68	67.87
		For Schedule 60, Add	*28.99*	
		For Schedule 80, Add	*45.67*	
26 05 33 13-1515		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows** *(26 05 33 13-1488)* See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	24.02	9.04
		For Schedule 60, Add	*1.48*	
		For Schedule 80, Add	*2.75*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	26.46	9.96
		For Schedule 60, Add	*1.64*	
		For Schedule 80, Add	*3.04*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	30.75	11.31
		For Schedule 60, Add	*2.03*	
		For Schedule 80, Add	*3.70*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	39.58	14.48
		For Schedule 60, Add	*2.66*	
		For Schedule 80, Add	*4.80*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	49.46	18.10
		For Schedule 60, Add	*3.32*	
		For Schedule 80, Add	*6.00*	
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	63.18	22.63
		For Schedule 60, Add	*4.49*	
		For Schedule 80, Add	*7.98*	
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	79.48	27.14
		For Schedule 60, Add	*6.30*	
		For Schedule 80, Add	*10.85*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	98.43	31.67
		For Schedule 60, Add	*8.77*	
		For Schedule 80, Add	*14.66*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	121.27	38.46
		For Schedule 60, Add	*11.09*	
		For Schedule 80, Add	*18.41*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	146.80	45.24
		For Schedule 60, Add	*14.08*	
		For Schedule 80, Add	*23.10*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	202.16	56.55
		For Schedule 60, Add	*22.26*	
		For Schedule 80, Add	*35.41*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	241.05	67.87
		For Schedule 60, Add	*26.33*	
		For Schedule 80, Add	*41.95*	
26 05 33 13-1528		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	100.17	30.31
		For Schedule 80, Add	*19.90*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	117.50	35.10
		For Schedule 80, Add	*23.58*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	132.99	39.88
		For Schedule 80, Add	*26.61*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	159.05	43.87
		For Schedule 80, Add	*33.73*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	209.89	55.04
		For Schedule 80, Add	*45.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	273.29	74.97
		For Schedule 80, Add	*58.16*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	330.78	84.54
		For Schedule 80, Add	*73.50*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	393.55	110.07
		For Schedule 80, Add	*82.71*	
26 05 33 13-1537		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	107.43	30.31
		For Schedule 80, Add	*22.45*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	134.98	35.10
		For Schedule 80, Add	*29.70*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	158.00	39.88
		For Schedule 80, Add	*35.36*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	171.44	43.87
		For Schedule 80, Add	*38.07*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	248.06	55.04
		For Schedule 80, Add	*59.30*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	328.79	74.97
		For Schedule 80, Add	*77.59*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	364.95	84.54
		For Schedule 80, Add	*85.46*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	434.91	110.07
		For Schedule 80, Add	*97.18*	
26 05 33 13-1546		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	127.01	30.31
		For Schedule 80, Add	*29.30*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	143.18	35.10
		For Schedule 80, Add	*32.57*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	162.82	39.88
		For Schedule 80, Add	*37.05*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	194.79	43.87
		For Schedule 80, Add	*46.24*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	262.28	55.04
		For Schedule 80, Add	*64.28*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	340.73	74.97
		For Schedule 80, Add	*81.77*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	410.44	84.54
		For Schedule 80, Add	*101.38*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	475.77	110.07
		For Schedule 80, Add	*111.48*	
26 05 33 13-1555		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	131.01	30.31
		For Schedule 80, Add	*30.70*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	167.45	35.10
		For Schedule 80, Add	*41.06*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	182.07	39.88
		For Schedule 80, Add	*43.78*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	195.66	43.87
		For Schedule 80, Add	*46.55*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	293.59	55.04
		For Schedule 80, Add	*75.24*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	410.90	74.97
		For Schedule 80, Add	*106.33*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	474.35	84.54
		For Schedule 80, Add	*123.75*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	551.45	110.07
		For Schedule 80, Add	*137.97*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	881.51	179.16
		For Schedule 80, Add	*218.80*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,288.79	269.97
		For Schedule 80, Add	*316.28*	
26 05 33 13-1566		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	146.37	30.31
		For Schedule 80, Add	*36.07*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	171.56	35.10
		For Schedule 80, Add	*42.50*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	194.43	39.88
		For Schedule 80, Add	*48.11*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	238.33	43.87
		For Schedule 80, Add	*61.48*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	324.15	55.04
		For Schedule 80, Add	*85.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1572	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	461.10	74.97
		For Schedule 80, Add	*123.90*	
26 05 33 13-1573	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	522.34	84.54
		For Schedule 80, Add	*140.54*	
26 05 33 13-1574	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	634.75	110.07
		For Schedule 80, Add	*167.13*	
26 05 33 13-1575	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	930.25	179.16
		For Schedule 80, Add	*235.86*	
26 05 33 13-1576	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,328.25	269.97
		For Schedule 80, Add	*330.09*	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

26 05 33 13-1578	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	16.48	6.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.75*	
26 05 33 13-1579	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	18.97	7.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 05 33 13-1580	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	21.56	8.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1581	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	24.29	9.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-1582	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	30.08	11.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.48*	
26 05 33 13-1583	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	36.52	13.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1584	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	49.97	18.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	
26 05 33 13-1585	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	62.98	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.97*	
26 05 33 13-1586	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	81.68	29.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.06*	
26 05 33 13-1587	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	99.02	36.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.14*	
26 05 33 13-1588	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	130.39	45.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.93*	
26 05 33 13-1589	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	162.25	56.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.41*	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

26 05 33 13-1591	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.77	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-1592	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.42	6.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.75*	
26 05 33 13-1593	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.09	7.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 05 33 13-1594	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.58	8.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1595	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	31.87	9.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.18	10.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	42.76	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.82*	
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	48.46	13.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	57.36	15.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.88*	
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	63.42	18.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	79.86	20.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	89.81	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.97*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	17.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.22*	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	21.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.26*	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	24.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.95*	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	27.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.74*	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	29.86	11.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.48*	
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	36.21	13.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	49.36	18.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	62.13	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	80.59	29.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.06*	
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	97.91	36.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.14*	
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	128.20	45.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.93*	
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	159.61	56.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.41*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	51.19	18.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	59.32	20.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	65.87	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.97*	
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	81.18	27.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.36*	
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	100.42	33.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.45*	
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	129.44	40.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.54*	
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	216.55	45.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.93*	
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	231.48	49.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.33*	
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	252.04	56.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.41*	
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	281.92	65.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.20*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	69.28	24.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	77.43	26.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	83.80	29.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.09*	
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	104.24	34.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	125.98	41.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.29*	
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	154.41	49.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	107.26	22.63
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	119.87	27.14
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	133.23	31.67
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	145.83	36.20
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	158.14	40.71
26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	172.90	45.24
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	210.90	52.03
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	251.91	58.81
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	294.65	67.87
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	350.22	79.18
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	461.30	95.01
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	605.97	122.15

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	13.98	4.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	16.55	5.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	19.06	6.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.75*	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	22.73	7.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	26.45	8.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	31.15	9.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	44.01	10.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	48.28	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	61.37	13.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.84*	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	73.95	14.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	85.98	15.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.88*	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	108.44	18.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1488)*

26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	140.66	40.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.54*	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	146.34	27.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.36*	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	353.66	45.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.93*	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	687.43	65.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.20*	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0059)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1665)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.52	1.85
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.46	2.03
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.56	2.35
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.66	2.71
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.19	3.16
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.45	3.62
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.23	4.30
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.22	4.98
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.45	5.88
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.82	7.24
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	37.60	10.18
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	49.12	13.57

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	94.40	9.04
		For 24" Radius, Add	*6.51*	
		For 36" Radius, Add	*9.44*	
		For 48" Radius, Add	*12.37*	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	105.23	9.96
		For 24" Radius, Add	*7.27*	
		For 36" Radius, Add	*10.52*	
		For 48" Radius, Add	*13.78*	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	109.43	11.31
		For 24" Radius, Add	*7.50*	
		For 36" Radius, Add	*10.94*	
		For 48" Radius, Add	*14.39*	
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	118.15	14.48
		For 24" Radius, Add	*7.96*	
		For 36" Radius, Add	*11.82*	
		For 48" Radius, Add	*15.67*	
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	128.01	18.10
		For 24" Radius, Add	*8.47*	
		For 36" Radius, Add	*12.80*	
		For 48" Radius, Add	*17.13*	
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	150.73	22.63
		For 24" Radius, Add	*9.89*	
		For 36" Radius, Add	*15.07*	
		For 48" Radius, Add	*20.26*	
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	180.60	27.14
		For 24" Radius, Add	*11.85*	
		For 36" Radius, Add	*18.06*	
		For 48" Radius, Add	*24.27*	
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	214.45	31.67
		For 24" Radius, Add	*14.10*	
		For 36" Radius, Add	*21.45*	
		For 48" Radius, Add	*28.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1688	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	248.32	38.46
		For 24" Radius, Add	*16.22*	
		For 36" Radius, Add	*24.83*	
		For 48" Radius, Add	*33.44*	
26 05 33 13-1689	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	282.20	45.24
		For 24" Radius, Add	*18.34*	
		For 36" Radius, Add	*28.22*	
		For 48" Radius, Add	*38.10*	
26 05 33 13-1690	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	352.75	56.55
		For 24" Radius, Add	*22.92*	
		For 36" Radius, Add	*35.28*	
		For 48" Radius, Add	*47.63*	
26 05 33 13-1691	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	433.87	67.87
		For 24" Radius, Add	*28.30*	
		For 36" Radius, Add	*43.39*	
		For 48" Radius, Add	*58.48*	

26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1693	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	81.48	9.04
		For 24" Radius, Add	*5.55*	
		For 36" Radius, Add	*8.15*	
		For 48" Radius, Add	*10.75*	
26 05 33 13-1694	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	90.76	9.96
		For 24" Radius, Add	*6.19*	
		For 36" Radius, Add	*9.08*	
		For 48" Radius, Add	*11.97*	
26 05 33 13-1695	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	94.82	11.31
		For 24" Radius, Add	*6.40*	
		For 36" Radius, Add	*9.48*	
		For 48" Radius, Add	*12.56*	
26 05 33 13-1696	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	103.40	14.48
		For 24" Radius, Add	*6.85*	
		For 36" Radius, Add	*10.34*	
		For 48" Radius, Add	*13.83*	
26 05 33 13-1697	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	113.11	18.10
		For 24" Radius, Add	*7.35*	
		For 36" Radius, Add	*11.31*	
		For 48" Radius, Add	*15.27*	
26 05 33 13-1698	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	133.78	22.63
		For 24" Radius, Add	*8.62*	
		For 36" Radius, Add	*13.38*	
		For 48" Radius, Add	*18.14*	
26 05 33 13-1699	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	160.31	27.14
		For 24" Radius, Add	*10.33*	
		For 36" Radius, Add	*16.03*	
		For 48" Radius, Add	*21.74*	
26 05 33 13-1700	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	190.10	31.67
		For 24" Radius, Add	*12.28*	
		For 36" Radius, Add	*19.01*	
		For 48" Radius, Add	*25.74*	
26 05 33 13-1701	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	220.93	38.46
		For 24" Radius, Add	*14.17*	
		For 36" Radius, Add	*22.09*	
		For 48" Radius, Add	*30.02*	
26 05 33 13-1702	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	251.77	45.24
		For 24" Radius, Add	*16.06*	
		For 36" Radius, Add	*25.18*	
		For 48" Radius, Add	*34.30*	
26 05 33 13-1703	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	314.70	56.55
		For 24" Radius, Add	*20.07*	
		For 36" Radius, Add	*31.47*	
		For 48" Radius, Add	*42.87*	
26 05 33 13-1704	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	386.31	67.87
		For 24" Radius, Add	*24.73*	
		For 36" Radius, Add	*38.63*	
		For 48" Radius, Add	*52.53*	

26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1706	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	75.62	8.14
		For 24" Radius, Add	*5.16*	
		For 36" Radius, Add	*7.56*	
		For 48" Radius, Add	*9.96*	
26 05 33 13-1707	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	84.27	8.95
		For 24" Radius, Add	*5.76*	
		For 36" Radius, Add	*8.43*	
		For 48" Radius, Add	*11.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	87.95	10.18
		For 24" Radius, Add	*5.96*	
		For 36" Radius, Add	*8.80*	
		For 48" Radius, Add	*11.63*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	95.67	13.03
		For 24" Radius, Add	*6.36*	
		For 36" Radius, Add	*9.57*	
		For 48" Radius, Add	*12.77*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	104.44	16.29
		For 24" Radius, Add	*6.82*	
		For 36" Radius, Add	*10.44*	
		For 48" Radius, Add	*14.07*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	123.42	20.36
		For 24" Radius, Add	*7.98*	
		For 36" Radius, Add	*12.34*	
		For 48" Radius, Add	*16.70*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	147.88	24.43
		For 24" Radius, Add	*9.56*	
		For 36" Radius, Add	*14.79*	
		For 48" Radius, Add	*20.01*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	175.42	28.51
		For 24" Radius, Add	*11.38*	
		For 36" Radius, Add	*17.54*	
		For 48" Radius, Add	*23.71*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	203.71	34.61
		For 24" Radius, Add	*13.12*	
		For 36" Radius, Add	*20.37*	
		For 48" Radius, Add	*27.63*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	232.00	40.71
		For 24" Radius, Add	*14.86*	
		For 36" Radius, Add	*23.20*	
		For 48" Radius, Add	*31.55*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	290.00	50.90
		For 24" Radius, Add	*18.57*	
		For 36" Radius, Add	*29.00*	
		For 48" Radius, Add	*39.43*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	356.13	61.08
		For 24" Radius, Add	*22.89*	
		For 36" Radius, Add	*35.61*	
		For 48" Radius, Add	*48.33*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	72.03	8.14
		For 24" Radius, Add	*4.89*	
		For 36" Radius, Add	*7.20*	
		For 48" Radius, Add	*9.51*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	80.25	8.95
		For 24" Radius, Add	*5.46*	
		For 36" Radius, Add	*8.03*	
		For 48" Radius, Add	*10.59*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	83.89	10.18
		For 24" Radius, Add	*5.66*	
		For 36" Radius, Add	*8.39*	
		For 48" Radius, Add	*11.12*	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	91.58	13.03
		For 24" Radius, Add	*6.05*	
		For 36" Radius, Add	*9.16*	
		For 48" Radius, Add	*12.26*	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	100.30	16.29
		For 24" Radius, Add	*6.50*	
		For 36" Radius, Add	*10.03*	
		For 48" Radius, Add	*13.56*	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	118.71	20.36
		For 24" Radius, Add	*7.63*	
		For 36" Radius, Add	*11.87*	
		For 48" Radius, Add	*16.11*	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	142.24	24.43
		For 24" Radius, Add	*9.14*	
		For 36" Radius, Add	*14.22*	
		For 48" Radius, Add	*19.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	168.66	28.51
		For 24" Radius, Add	*10.87*	
		For 36" Radius, Add	*16.87*	
		For 48" Radius, Add	*22.86*	
26 05 33 13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	196.10	34.61
		For 24" Radius, Add	*12.54*	
		For 36" Radius, Add	*19.61*	
		For 48" Radius, Add	*26.68*	
26 05 33 13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	223.55	40.71
		For 24" Radius, Add	*14.22*	
		For 36" Radius, Add	*22.36*	
		For 48" Radius, Add	*30.49*	
26 05 33 13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	279.43	50.90
		For 24" Radius, Add	*17.78*	
		For 36" Radius, Add	*27.94*	
		For 48" Radius, Add	*38.11*	
26 05 33 13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	342.92	61.08
		For 24" Radius, Add	*21.90*	
		For 36" Radius, Add	*34.29*	
		For 48" Radius, Add	*46.68*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	45.55	6.33
26 05 33 13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	51.21	7.24
26 05 33 13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	53.81	8.14
26 05 33 13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	56.36	9.04
26 05 33 13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	62.68	11.31
26 05 33 13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	74.91	13.57
26 05 33 13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	94.56	18.10
26 05 33 13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	115.73	22.63
26 05 33 13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	140.10	29.41
26 05 33 13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	164.46	36.20
26 05 33 13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	205.58	45.24
26 05 33 13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	256.93	56.55

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.60	6.33
26 05 33 13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.73	7.24
26 05 33 13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	39.19	8.14
26 05 33 13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.65	9.04
26 05 33 13-1749	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.49	11.31
26 05 33 13-1750	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	53.26	13.57
26 05 33 13-1751	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	68.43	18.10
26 05 33 13-1752	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	84.40	22.63
26 05 33 13-1753	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	104.84	29.41
26 05 33 13-1754	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	125.28	36.20
26 05 33 13-1755	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	156.65	45.24
26 05 33 13-1756	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	195.77	56.55

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	36.68	5.20
26 05 33 13-1759	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	41.27	7.24
26 05 33 13-1760	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	43.78	8.14
26 05 33 13-1761	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.19	9.04
26 05 33 13-1762	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	52.37	11.31
26 05 33 13-1763	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	62.62	13.57
26 05 33 13-1764	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	79.65	18.10
26 05 33 13-1765	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	97.84	22.63
26 05 33 13-1766	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	119.96	29.41
26 05 33 13-1767	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	142.08	36.20
26 05 33 13-1768	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	177.59	45.24
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	222.01	56.55

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	79.52	22.63
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	93.35	27.14
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	104.94	31.67
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	116.41	36.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	128.32	40.71
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	144.67	45.24
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	167.96	52.03
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	192.50	58.81
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	220.80	67.87
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	254.76	79.18
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	297.24	90.48
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	343.26	101.80

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	88.84	22.63
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	103.80	27.14
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	115.45	31.67
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	127.03	36.20
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	139.03	40.71
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	156.90	45.24
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	182.64	52.03
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	210.11	58.81
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	240.62	67.87
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	276.79	79.18
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	324.86	90.48
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	377.79	101.80

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	92.63	6.33
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	103.41	7.24
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	108.29	8.14
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	113.29	9.04
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	120.34	11.31
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	134.76	13.57
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	166.25	18.10
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	201.69	22.63
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	236.81	29.41
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	271.92	36.20
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	339.97	45.24
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	423.20	56.55

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	105.06	22.63
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	121.78	27.14
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	145.78	31.67
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	180.27	36.20
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	224.89	40.71
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	295.54	45.24
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	417.14	52.03
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	503.00	58.81
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	607.43	67.87
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	717.53	79.18
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	843.41	90.48
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,302.27	101.80

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	88.18	18.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	102.11	20.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	134.63	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.97*	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	164.32	27.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.36*	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	208.84	33.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.45*	
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	285.52	40.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.54*	
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	463.25	47.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	595.04	54.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.72*	
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	715.25	63.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.51*	
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	835.49	72.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.29*	
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	984.40	81.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.08*	
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,116.12	90.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.87*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	48.09	10.23
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	59.25	11.30
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	93.94	15.06
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	124.28	16.68
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	156.38	20.44
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	194.79	23.67
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	296.39	33.85
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	376.64	40.29
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	632.02	48.35
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	670.60	61.78

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	170.19	32.28
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	191.85	36.59
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	224.64	40.35
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	192.07	40.35
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	228.83	48.42
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	270.80	55.41

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	140.77	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	143.85	30.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.60*	
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	157.03	32.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.61*	
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	201.83	40.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	257.64	47.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.51*	
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	331.12	53.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.35*	
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	471.45	80.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.44*	
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	595.88	101.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.75*	
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	841.58	111.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.41*	
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	1,085.89	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.66*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	377.37	12.37
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	493.74	13.99

26 05 33 13-1868 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*

26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1871	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.73	
		For Schedule 60, Add	*0.45*	
		For Schedule 80, Add	*0.74*	
26 05 33 13-1872	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.36	
		For Schedule 60, Add	*0.55*	
		For Schedule 80, Add	*0.89*	
26 05 33 13-1873	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.34	
		For Schedule 60, Add	*0.74*	
		For Schedule 80, Add	*1.16*	
26 05 33 13-1874	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.32	
		For Schedule 60, Add	*0.92*	
		For Schedule 80, Add	*1.43*	
26 05 33 13-1875	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.16	
		For Schedule 60, Add	*1.08*	
		For Schedule 80, Add	*1.65*	
26 05 33 13-1876	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.50	
		For Schedule 60, Add	*1.36*	
		For Schedule 80, Add	*2.05*	
26 05 33 13-1877	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	12.41	
		For Schedule 60, Add	*2.03*	
		For Schedule 80, Add	*3.00*	
26 05 33 13-1878	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	14.05	
		For Schedule 60, Add	*2.38*	
		For Schedule 80, Add	*3.50*	
26 05 33 13-1879	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.66	
		For Schedule 60, Add	*2.98*	
		For Schedule 80, Add	*4.35*	
26 05 33 13-1880	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	18.00	
		For Schedule 60, Add	*3.26*	
		For Schedule 80, Add	*4.75*	
26 05 33 13-1881	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	23.67	
		For Schedule 60, Add	*4.62*	
		For Schedule 80, Add	*6.66*	
26 05 33 13-1882	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	29.47	
		For Schedule 60, Add	*6.01*	
		For Schedule 80, Add	*8.62*	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	29.66	
		For Schedule 60, Add	*1.76*	
		For Schedule 80, Add	*3.31*	
26 05 33 13-1885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	35.61	
		For Schedule 60, Add	*2.12*	
		For Schedule 80, Add	*3.98*	
26 05 33 13-1886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	42.21	
		For Schedule 60, Add	*2.63*	
		For Schedule 80, Add	*4.88*	
26 05 33 13-1887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	49.02	
		For Schedule 60, Add	*3.21*	
		For Schedule 80, Add	*5.85*	
26 05 33 13-1888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	56.03	
		For Schedule 60, Add	*3.83*	
		For Schedule 80, Add	*6.89*	
26 05 33 13-1889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	63.66	
		For Schedule 60, Add	*4.61*	
		For Schedule 80, Add	*8.14*	
26 05 33 13-1890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	74.72	
		For Schedule 60, Add	*6.24*	
		For Schedule 80, Add	*10.60*	
26 05 33 13-1891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	88.26	
		For Schedule 60, Add	*8.49*	
		For Schedule 80, Add	*13.92*	
26 05 33 13-1892	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	107.51	
		For Schedule 60, Add	*11.04*	
		For Schedule 80, Add	*17.83*	
26 05 33 13-1893	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	126.92	
		For Schedule 60, Add	*13.63*	
		For Schedule 80, Add	*21.80*	
26 05 33 13-1894	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	166.15	
		For Schedule 60, Add	*21.18*	
		For Schedule 80, Add	*32.70*	
26 05 33 13-1895	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	195.13	
		For Schedule 60, Add	*26.16*	
		For Schedule 80, Add	*40.02*	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1897	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	29.66	
		For Schedule 60, Add	*1.76*	
		For Schedule 80, Add	*3.31*	
26 05 33 13-1898	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	35.51	
		For Schedule 60, Add	*2.09*	
		For Schedule 80, Add	*3.95*	
26 05 33 13-1899	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	42.07	
		For Schedule 60, Add	*2.60*	
		For Schedule 80, Add	*4.83*	
26 05 33 13-1900	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	48.62	
		For Schedule 60, Add	*3.11*	
		For Schedule 80, Add	*5.71*	
26 05 33 13-1901	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	55.12	
		For Schedule 60, Add	*3.60*	
		For Schedule 80, Add	*6.57*	
26 05 33 13-1902	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	63.18	
		For Schedule 60, Add	*4.49*	
		For Schedule 80, Add	*7.98*	
26 05 33 13-1903	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	73.82	
		For Schedule 60, Add	*6.01*	
		For Schedule 80, Add	*10.28*	
26 05 33 13-1904	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	87.12	
		For Schedule 60, Add	*8.21*	
		For Schedule 80, Add	*13.52*	
26 05 33 13-1905	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	104.31	
		For Schedule 60, Add	*10.24*	
		For Schedule 80, Add	*16.71*	
26 05 33 13-1906	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	124.17	
		For Schedule 60, Add	*12.95*	
		For Schedule 80, Add	*20.84*	
26 05 33 13-1907	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	162.58	
		For Schedule 60, Add	*20.29*	
		For Schedule 80, Add	*31.45*	
26 05 33 13-1908	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	184.50	
		For Schedule 60, Add	*23.50*	
		For Schedule 80, Add	*36.30*	

26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.75*	
26 05 33 13-1911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 05 33 13-1912	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	21.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	24.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.79*	
26 05 33 13-1914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.46*	
26 05 33 13-1915	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	29.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.14*	
26 05 33 13-1916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	35.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.16*	
26 05 33 13-1917	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	40.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	47.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.88*	
26 05 33 13-1919	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	53.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	
26 05 33 13-1920	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	68.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1921	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	77.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.97*	

26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.77
26 05 33 13-1924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.42
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.09
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	30.85
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.12
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.18
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	42.76
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	48.46
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	57.36
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	63.42
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	79.86
26 05 33 13-1934	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	89.81

26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1936	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	16.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1937	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	18.97	
26 05 33 13-1938	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	21.42	
26 05 33 13-1939	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	24.03	
26 05 33 13-1940	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	26.47	
26 05 33 13-1941	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	29.42	
26 05 33 13-1942	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	34.66	
26 05 33 13-1943	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	39.51	
26 05 33 13-1944	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	46.66	
26 05 33 13-1945	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	52.67	
26 05 33 13-1946	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	65.99	
26 05 33 13-1947	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	74.78	

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.63	2.58
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.09*	
26 05 33 13-1951	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.18	3.19
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.23*	
26 05 33 13-1952	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	17.40	3.56
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.53*	
26 05 33 13-1953	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	20.99	4.78
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.85*	
26 05 33 13-1954	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	24.64	5.40
		For >250 To 500, Deduct	*-0.96*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.19*	
26 05 33 13-1955	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	31.20	5.89
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.78*	
26 05 33 13-1956	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	45.25	8.84
		For >250 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-2.93*	
		For >1,000, Deduct	*-4.07*	
26 05 33 13-1957	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	58.40	11.05
		For >250 To 500, Deduct	*-2.31*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-5.23*	
26 05 33 13-1958	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	72.09	11.66
		For >250 To 500, Deduct	*-2.84*	
		For >500 To 1,000, Deduct	*-4.64*	
		For >1,000, Deduct	*-6.44*	
26 05 33 13-1959	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	85.63	12.89
		For >250 To 500, Deduct	*-3.36*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000, Deduct	*-7.64*	
26 05 33 13-1960	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	133.14	17.79
		For >250 To 500, Deduct	*-5.49*	
		For >500 To 1,000, Deduct	*-8.82*	
		For >1,000, Deduct	*-12.15*	
26 05 33 13-1961	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	177.47	23.31
		For >250 To 500, Deduct	*-7.40*	
		For >500 To 1,000, Deduct	*-11.84*	
		For >1,000, Deduct	*-16.27*	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	13.57	3.68
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	16.31	4.91
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.72	6.13
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	23.34	6.75
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	27.66	7.98
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	35.54	9.20
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	64.48	11.05
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	82.16	15.34
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	101.63	17.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	126.31	24.55
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	319.12	33.75
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	319.14	19.02
26 05 33 13-1975		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
		Note: 90, 45, or 30-degree.		
26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	52.43	15.34
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	60.62	19.02
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	72.52	23.31
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	85.81	26.99
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	100.46	30.68
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	122.06	33.75
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	187.48	42.34
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	279.64	57.67
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	345.65	65.04
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	397.22	84.67
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	825.25	138.05
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,297.46	207.39
26 05 33 13-1988		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	123.78	23.31
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	139.32	26.99
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	159.05	30.68
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	189.67	33.75
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	264.00	42.34
26 05 33 13-1994		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	137.64	23.31
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	162.23	26.99
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	175.47	30.68
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	225.48	33.75
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	298.53	42.34
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	382.05	57.67
26 05 33 13-2001		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	154.21	23.31
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	174.16	26.99
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	196.54	30.68
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	237.35	33.75
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	338.21	42.34
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	428.64	57.67
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	540.75	65.04
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	609.77	84.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2010		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	182.84	23.31
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	202.16	26.99
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	228.34	30.68
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	283.14	33.75
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	409.23	42.34
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	507.57	57.67
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	588.95	65.04
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	698.25	84.67
26 05 33 13-2019		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	205.12	23.31
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	228.22	26.99
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	259.63	30.68
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	322.99	33.75
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	447.98	42.34
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	570.70	57.67
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	706.12	65.04
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	779.46	84.67
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,299.38	138.05
26 05 33 13-2029		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	234.25	23.31
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	259.72	26.99
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	293.93	30.68
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	367.19	33.75
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	512.55	42.34
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	651.14	57.67
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	764.84	65.04
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	884.31	84.67
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,372.86	138.05
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,878.08	207.39
26 05 33 13-2040		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	274.81	23.31
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	287.79	26.99
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	339.84	30.68
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	428.72	33.75
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	599.61	42.34
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	759.58	57.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	928.07	65.04
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,088.28	84.67
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,612.54	138.05
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,988.10	207.39
26 05 33 13-2051		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	284.58	23.31
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	335.28	26.99
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	379.54	30.68
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	447.23	33.75
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	621.36	42.34
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	792.93	57.67
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,016.97	65.04
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,134.54	84.67
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,676.93	138.05
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	2,044.00	207.39
26 05 33 13-2062		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	95.50	15.34
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	104.04	19.02
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	135.10	23.31
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	196.38	26.99
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	233.11	30.68
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	296.37	33.75
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	394.54	42.34
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	511.87	42.34
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	659.99	65.04
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	849.75	84.67
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,547.88	138.05
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,929.43	207.39
26 05 33 13-2075		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	97.68	15.34
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	112.37	19.02
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	139.55	23.31
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	204.54	26.99
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	244.43	30.68
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	320.83	33.75
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	446.88	42.34
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	565.08	42.34
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	756.20	65.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	945.61	84.67
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,723.59	138.05
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,213.16	207.39

26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.10	7.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.13	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.07	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.30	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.79	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.70	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.65	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.61	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.99	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.68	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.62	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.87	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.82	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.94	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.34	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.03	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.52	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.25	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.21	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.50	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.79	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.64	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.33	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	94.06	20.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.71	28.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	

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26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.43	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.53	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.85	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.25	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.25	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.15	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	96.54	20.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.06	28.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	151.57	32.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	177.25	42.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-2124	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.76	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2125	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.89	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2126	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.23	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2127	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.93	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2128	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.95	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2129	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.68	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2130	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	106.44	20.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-2131	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	135.07	28.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-2132	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	153.28	32.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-2133	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.82	42.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-2134	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	267.70	58.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	
26 05 33 13-2135	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.39	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2136	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.51	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2137	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.90	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2138	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.18	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2139	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.46	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2140	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.21	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2141	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	116.48	20.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	

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26 05 33 13-2142	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	145.72	28.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	162.87	32.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	198.00	42.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	291.88	58.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.36	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.47	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.41	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.51	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.52	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.69	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.84	20.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.28	28.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	186.88	32.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	222.28	42.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	308.46	58.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.39	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.47	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.89	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.03	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.80	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.69	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	141.90	20.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	178.94	28.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	212.09	32.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	264.77	42.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	341.53	58.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.45	7.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.65	9.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.66	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.47	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.62	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.53	17.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.32	20.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.52*	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.92	28.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	227.56	32.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.51*	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	277.80	42.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	346.25	58.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.97*	

26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.56	1.47
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.33	1.58
		For Work In Restricted Working Space, Add	*1.19*	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.86	1.69
		For Work In Restricted Working Space, Add	*1.27*	
26 05 33 13-2184	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.40	1.81
		For Work In Restricted Working Space, Add	*1.36*	
26 05 33 13-2185	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.08	1.92
		For Work In Restricted Working Space, Add	*1.44*	
26 05 33 13-2186	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.50	2.03
		For Work In Restricted Working Space, Add	*1.53*	
26 05 33 13-2187	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.85	2.15
		For Work In Restricted Working Space, Add	*1.61*	
26 05 33 13-2188	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.44	2.26
		For Work In Restricted Working Space, Add	*1.70*	
26 05 33 13-2189	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	14.69	2.37
		For Work In Restricted Working Space, Add	*1.78*	
26 05 33 13-2190	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.94	2.48
		For Work In Restricted Working Space, Add	*1.87*	
26 05 33 13-2191	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	18.65	2.60
		For Work In Restricted Working Space, Add	*1.95*	
26 05 33 13-2192	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	21.98	2.71
		For Work In Restricted Working Space, Add	*2.04*	

26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

26 05 33 13-2194	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	100.04	11.31
		For Work In Restricted Working Space, Add	*8.48*	
		For 24" Radius, Add	*6.80*	
		For 36" Radius, Add	*10.00*	
		For 48" Radius, Add	*13.21*	
26 05 33 13-2195	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	114.28	13.57
		For Work In Restricted Working Space, Add	*10.18*	
		For 24" Radius, Add	*7.72*	
		For 36" Radius, Add	*11.43*	
		For 48" Radius, Add	*15.13*	
26 05 33 13-2196	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	120.75	15.84
		For Work In Restricted Working Space, Add	*11.88*	
		For 24" Radius, Add	*8.07*	
		For 36" Radius, Add	*12.08*	
		For 48" Radius, Add	*16.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2197	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	127.19	18.10
		For Work In Restricted Working Space, Add	*13.57*	
		For 24" Radius, Add	*8.41*	
		For 36" Radius, Add	*12.72*	
		For 48" Radius, Add	*17.03*	
26 05 33 13-2198	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	133.67	20.36
		For Work In Restricted Working Space, Add	*15.27*	
		For 24" Radius, Add	*8.75*	
		For 36" Radius, Add	*13.37*	
		For 48" Radius, Add	*17.98*	
26 05 33 13-2199	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	150.73	22.63
		For Work In Restricted Working Space, Add	*16.97*	
		For 24" Radius, Add	*9.89*	
		For 36" Radius, Add	*15.07*	
		For 48" Radius, Add	*20.26*	
26 05 33 13-2200	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	174.94	24.88
		For Work In Restricted Working Space, Add	*18.66*	
		For 24" Radius, Add	*11.57*	
		For 36" Radius, Add	*17.49*	
		For 48" Radius, Add	*23.42*	
26 05 33 13-2201	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	203.14	27.14
		For Work In Restricted Working Space, Add	*20.36*	
		For 24" Radius, Add	*13.54*	
		For 36" Radius, Add	*20.31*	
		For 48" Radius, Add	*27.09*	
26 05 33 13-2202	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	231.36	31.67
		For Work In Restricted Working Space, Add	*23.75*	
		For 24" Radius, Add	*15.37*	
		For 36" Radius, Add	*23.14*	
		For 48" Radius, Add	*30.90*	
26 05 33 13-2203	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	259.57	40.71
		For Work In Restricted Working Space, Add	*27.14*	
		For 24" Radius, Add	*17.21*	
		For 36" Radius, Add	*25.96*	
		For 48" Radius, Add	*34.71*	
26 05 33 13-2204	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	313.17	40.71
		For Work In Restricted Working Space, Add	*30.54*	
		For 24" Radius, Add	*20.94*	
		For 36" Radius, Add	*31.32*	
		For 48" Radius, Add	*41.69*	
26 05 33 13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	377.32	45.24
		For Work In Restricted Working Space, Add	*33.93*	
		For 24" Radius, Add	*25.47*	
		For 36" Radius, Add	*37.73*	
		For 48" Radius, Add	*49.99*	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	45.55	6.33
		For Work In Restricted Working Space, Add	*4.75*	
26 05 33 13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	51.21	7.24
		For Work In Restricted Working Space, Add	*5.43*	
26 05 33 13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	53.81	8.14
		For Work In Restricted Working Space, Add	*6.11*	
26 05 33 13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	56.36	9.04
		For Work In Restricted Working Space, Add	*6.79*	
26 05 33 13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	59.29	9.96
		For Work In Restricted Working Space, Add	*7.46*	
26 05 33 13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	68.12	10.86
		For Work In Restricted Working Space, Add	*8.14*	
26 05 33 13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	79.86	12.22
		For Work In Restricted Working Space, Add	*9.16*	
26 05 33 13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	93.11	13.57
		For Work In Restricted Working Space, Add	*10.18*	
26 05 33 13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	106.17	15.84
		For Work In Restricted Working Space, Add	*11.88*	
26 05 33 13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	119.22	18.10
		For Work In Restricted Working Space, Add	*13.57*	
26 05 33 13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	143.37	20.36
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	172.10	22.63
		For Work In Restricted Working Space, Add	*16.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	32.60	6.33
		For Work In Restricted Working Space, Add	*4.75*	
26 05 33 13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.73	7.24
		For Work In Restricted Working Space, Add	*5.43*	
26 05 33 13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	39.19	8.14
		For Work In Restricted Working Space, Add	*6.11*	
26 05 33 13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	41.65	9.04
		For Work In Restricted Working Space, Add	*6.79*	
26 05 33 13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	44.10	9.96
		For Work In Restricted Working Space, Add	*7.46*	
26 05 33 13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	46.47	10.86
		For Work In Restricted Working Space, Add	*8.14*	
26 05 33 13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	53.73	12.22
		For Work In Restricted Working Space, Add	*9.16*	
26 05 33 13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	61.78	13.57
		For Work In Restricted Working Space, Add	*10.18*	
26 05 33 13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	70.91	15.84
		For Work In Restricted Working Space, Add	*11.88*	
26 05 33 13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	80.04	18.10
		For Work In Restricted Working Space, Add	*13.57*	
26 05 33 13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	94.44	20.36
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	110.94	22.63
		For Work In Restricted Working Space, Add	*16.97*	

26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-2179)*

26 05 33 13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	29.88	3.62
		For Work In Restricted Working Space, Add	*2.71*	
26 05 33 13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	33.35	4.08
		For Work In Restricted Working Space, Add	*3.05*	
26 05 33 13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	34.73	4.53
		For Work In Restricted Working Space, Add	*3.39*	
26 05 33 13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	36.00	4.98
		For Work In Restricted Working Space, Add	*3.73*	
26 05 33 13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	37.67	5.43
		For Work In Restricted Working Space, Add	*4.07*	
26 05 33 13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	44.53	6.33
		For Work In Restricted Working Space, Add	*4.75*	
26 05 33 13-2239	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	53.64	7.69
		For Work In Restricted Working Space, Add	*5.77*	
26 05 33 13-2240	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	63.92	9.04
		For Work In Restricted Working Space, Add	*6.79*	
26 05 33 13-2241	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	74.71	11.31
		For Work In Restricted Working Space, Add	*8.48*	
26 05 33 13-2242	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	85.53	13.57
		For Work In Restricted Working Space, Add	*10.18*	
26 05 33 13-2243	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	104.07	15.84
		For Work In Restricted Working Space, Add	*11.88*	
26 05 33 13-2244	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	125.87	18.10
		For Work In Restricted Working Space, Add	*13.57*	

26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2246	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	79.52	22.63
		For Work In Restricted Working Space, Add	*16.97*	
26 05 33 13-2247	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	93.35	27.14
		For Work In Restricted Working Space, Add	*20.36*	
26 05 33 13-2248	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	104.94	31.67
		For Work In Restricted Working Space, Add	*23.75*	
26 05 33 13-2249	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	116.41	36.20
		For Work In Restricted Working Space, Add	*27.14*	
26 05 33 13-2250	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	122.66	38.46
		For Work In Restricted Working Space, Add	*28.84*	
26 05 33 13-2251	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	133.36	40.71
		For Work In Restricted Working Space, Add	*30.54*	
26 05 33 13-2252	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	145.33	42.98
		For Work In Restricted Working Space, Add	*32.24*	
26 05 33 13-2253	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	158.57	45.24
		For Work In Restricted Working Space, Add	*33.93*	
26 05 33 13-2254	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	169.91	47.51
		For Work In Restricted Working Space, Add	*35.63*	
26 05 33 13-2255	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	181.24	49.77
		For Work In Restricted Working Space, Add	*37.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2256	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	201.10	52.03
		For Work In Restricted Working Space, Add	*39.02*	
26 05 33 13-2257	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	224.51	54.30
		For Work In Restricted Working Space, Add	*40.72*	

26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2259	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	88.84	22.63
		For Work In Restricted Working Space, Add	*16.97*	
26 05 33 13-2260	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	103.80	27.14
		For Work In Restricted Working Space, Add	*20.36*	
26 05 33 13-2261	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	115.45	31.67
		For Work In Restricted Working Space, Add	*23.75*	
26 05 33 13-2262	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	127.03	36.20
		For Work In Restricted Working Space, Add	*27.14*	
26 05 33 13-2263	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	133.37	38.46
		For Work In Restricted Working Space, Add	*28.84*	
26 05 33 13-2264	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	145.59	40.71
		For Work In Restricted Working Space, Add	*30.54*	
26 05 33 13-2265	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	160.01	42.98
		For Work In Restricted Working Space, Add	*32.24*	
26 05 33 13-2266	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	176.18	45.24
		For Work In Restricted Working Space, Add	*33.93*	
26 05 33 13-2267	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	189.73	47.51
		For Work In Restricted Working Space, Add	*35.63*	
26 05 33 13-2268	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	203.27	49.77
		For Work In Restricted Working Space, Add	*37.33*	
26 05 33 13-2269	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	228.72	52.03
		For Work In Restricted Working Space, Add	*39.02*	
26 05 33 13-2270	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	259.04	54.30
		For Work In Restricted Working Space, Add	*40.72*	

26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2179)*

26 05 33 13-2272	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	92.63	6.33
		For Work In Restricted Working Space, Add	*4.75*	
26 05 33 13-2273	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	103.41	7.24
		For Work In Restricted Working Space, Add	*5.43*	
26 05 33 13-2274	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	108.29	8.14
		For Work In Restricted Working Space, Add	*6.11*	
26 05 33 13-2275	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	113.29	9.04
		For Work In Restricted Working Space, Add	*6.79*	
26 05 33 13-2276	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	116.95	9.96
		For Work In Restricted Working Space, Add	*7.46*	
26 05 33 13-2277	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	127.97	10.86
		For Work In Restricted Working Space, Add	*8.14*	
26 05 33 13-2278	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	151.55	12.22
		For Work In Restricted Working Space, Add	*9.16*	
26 05 33 13-2279	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	179.07	13.57
		For Work In Restricted Working Space, Add	*10.18*	
26 05 33 13-2280	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	202.88	15.84
		For Work In Restricted Working Space, Add	*11.88*	
26 05 33 13-2281	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	226.68	18.10
		For Work In Restricted Working Space, Add	*13.57*	
26 05 33 13-2282	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	277.76	20.36
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-2283	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	338.37	22.63
		For Work In Restricted Working Space, Add	*16.97*	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

26 05 33 13-2285	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	105.06	22.63
		For Work In Restricted Working Space, Add	*16.97*	
26 05 33 13-2286	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	121.78	27.14
		For Work In Restricted Working Space, Add	*20.36*	
26 05 33 13-2287	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	145.78	31.67
		For Work In Restricted Working Space, Add	*23.75*	
26 05 33 13-2288	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	180.27	36.20
		For Work In Restricted Working Space, Add	*27.14*	
26 05 33 13-2289	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	219.23	38.46
		For Work In Restricted Working Space, Add	*28.84*	
26 05 33 13-2290	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	284.23	40.71
		For Work In Restricted Working Space, Add	*30.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	394.51	42.98
		For Work In Restricted Working Space, Add	*32.24*	
26 05 33 13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	469.07	45.24
		For Work In Restricted Working Space, Add	*33.93*	
26 05 33 13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	556.54	47.51
		For Work In Restricted Working Space, Add	*35.63*	
26 05 33 13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	644.01	49.77
		For Work In Restricted Working Space, Add	*37.33*	
26 05 33 13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	747.27	52.03
		For Work In Restricted Working Space, Add	*39.02*	
26 05 33 13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,183.52	54.30
		For Work In Restricted Working Space, Add	*40.72*	

26 05 33 13-2297 Spacers *(26 05 33 13-1868)*

Note: For concrete encasement applications. See CSI section 26 05 33 13-1868 for conduit.

26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	12.01
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	12.91
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	14.30
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.37
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	14.43
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.47
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	17.89
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.61
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	19.76
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	19.11
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	22.60
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	21.60
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	24.50
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	23.42
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial	25.24
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	24.09
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial	27.91
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	26.54
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial	31.53
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	30.38

26 05 33 13-2318 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending *(26 05 33 13-2318)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	22.05
		For Aluminum Conduit Bending, Add	*14.55*
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	27.56
		For Aluminum Conduit Bending, Add	*18.19*
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	34.45
		For Aluminum Conduit Bending, Add	*22.74*
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	48.23
		For Aluminum Conduit Bending, Add	*31.83*
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	62.01
		For Aluminum Conduit Bending, Add	*40.93*
26 05 33 13-2325	EA	3-1/2" Metallic Conduit Field Bending	82.68
		For Aluminum Conduit Bending, Add	*54.57*
26 05 33 13-2326	EA	4" Metallic Conduit Field Bending	96.46
		For Aluminum Conduit Bending, Add	*63.66*
26 05 33 13-2327	EA	5" Metallic Conduit Field Bending	110.23
		For Aluminum Conduit Bending, Add	*72.75*
26 05 33 13-2328	EA	6" Metallic Conduit Field Bending	130.90
		For Aluminum Conduit Bending, Add	*86.39*

26 05 33 13-2329 Plastic Conduit Field Bending *(26 05 33 13-2318)*

Note: For PVC conduits.

26 05 33 13-2330	EA	1" Plastic Conduit Field Bending	31.70
26 05 33 13-2331	EA	1-1/4" Plastic Conduit Field Bending	34.45
26 05 33 13-2332	EA	1-1/2" Plastic Conduit Field Bending	41.34
26 05 33 13-2333	EA	2" Plastic Conduit Field Bending	55.12
26 05 33 13-2334	EA	2-1/2" Plastic Conduit Field Bending	68.90
26 05 33 13-2335	EA	3" Plastic Conduit Field Bending	82.68
26 05 33 13-2336	EA	3-1/2" Plastic Conduit Field Bending	96.46
26 05 33 13-2337	EA	4" Plastic Conduit Field Bending	110.23
26 05 33 13-2338	EA	5" Plastic Conduit Field Bending	124.02
26 05 33 13-2339	EA	6" Plastic Conduit Field Bending	137.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2340		**Cut And Thread Existing In-Place Threaded Conduit** *(26 05 33 13-0058)*		
		Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2341	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	40.35	
		For Work In Restricted Working Space, Add	*12.11*	
26 05 33 13-2342	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	44.38	
		For Work In Restricted Working Space, Add	*13.31*	
26 05 33 13-2343	EA	1", Cut And Thread Existing In-Place Threaded Conduit	48.42	
		For Work In Restricted Working Space, Add	*14.53*	
26 05 33 13-2344	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	52.46	
		For Work In Restricted Working Space, Add	*15.74*	
26 05 33 13-2345	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	55.15	
		For Work In Restricted Working Space, Add	*16.55*	
26 05 33 13-2346	EA	2", Cut And Thread Existing In-Place Threaded Conduit	57.84	
		For Work In Restricted Working Space, Add	*17.35*	
26 05 33 13-2347	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	60.53	
		For Work In Restricted Working Space, Add	*18.16*	
26 05 33 13-2348	EA	3", Cut And Thread Existing In-Place Threaded Conduit	63.22	
		For Work In Restricted Working Space, Add	*18.97*	
26 05 33 13-2349	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	64.56	
		For Work In Restricted Working Space, Add	*19.37*	
26 05 33 13-2350	EA	4", Cut And Thread Existing In-Place Threaded Conduit	65.91	
		For Work In Restricted Working Space, Add	*19.77*	
26 05 33 13-2351	EA	5", Cut And Thread Existing In-Place Threaded Conduit	68.60	
		For Work In Restricted Working Space, Add	*20.58*	
26 05 33 13-2352	EA	6", Cut And Thread Existing In-Place Threaded Conduit	71.29	
		For Work In Restricted Working Space, Add	*21.39*	
26 05 33 13-2353		**Flexible Conduit** *(26 05 33 13-0058)*		
26 05 33 13-2354		**Flexible Liquid Tight Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
		Note: Steel inner core with PVC cover.		
26 05 33 13-2355		**Flexible Liquid Tight Metallic Conduit** *(26 05 33 13-2354)*		
26 05 33 13-2356	LF	3/8" Flexible Liquid Tight Metallic Conduit	5.10	1.47
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-2357	LF	1/2" Flexible Liquid Tight Metallic Conduit	5.31	1.47
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-2358	LF	3/4" Flexible Liquid Tight Metallic Conduit	7.12	1.96
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.47*	
26 05 33 13-2359	LF	1" Flexible Liquid Tight Metallic Conduit	8.25	1.96
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.47*	
26 05 33 13-2360	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	10.68	2.46
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.92*	
		For Work In Restricted Working Space, Add	*1.84*	
26 05 33 13-2361	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	13.75	2.95
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.11*	
		For Work In Restricted Working Space, Add	*2.21*	
26 05 33 13-2362	LF	2" Flexible Liquid Tight Metallic Conduit	18.07	3.93
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
26 05 33 13-2363	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	24.69	4.42
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.66*	
		For Work In Restricted Working Space, Add	*3.32*	
26 05 33 13-2364	LF	3" Flexible Liquid Tight Metallic Conduit	36.44	5.40
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.03*	
		For Work In Restricted Working Space, Add	*4.05*	
26 05 33 13-2365	LF	4" Flexible Liquid Tight Metallic Conduit	49.93	6.88
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.58*	
		For Work In Restricted Working Space, Add	*5.15*	
26 05 33 13-2366		**Straight Liquid Tight Connector** *(26 05 33 13-2354)*		
26 05 33 13-2367	EA	3/8" Straight Liquid Tight Connector	13.86	3.93
		For Work In Restricted Working Space, Add	*2.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-2368	EA	1/2" Straight Liquid Tight Connector	13.86	3.93
		For Work In Restricted Working Space, Add	*2.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-2369	EA	3/4" Straight Liquid Tight Connector	16.85	4.42
		For Work In Restricted Working Space, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.32*	
26 05 33 13-2370	EA	1" Straight Liquid Tight Connector	22.62	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 33 13-2371	EA	1-1/4" Straight Liquid Tight Connector	29.14	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2372	EA	1-1/2" Straight Liquid Tight Connector	37.04	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2373	EA	2" Straight Liquid Tight Connector	51.18	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-2374	EA	2-1/2" Straight Liquid Tight Connector	176.45	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-2375	EA	3" Straight Liquid Tight Connector	227.73	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2376	EA	4" Straight Liquid Tight Connector	278.49	13.74
		For Work In Restricted Working Space, Add	*10.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.31*	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector	20.26	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector	21.13	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector	23.90	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-2381	EA	1" 90 Degree Angle Liquid Tight Connector	33.87	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	42.80	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	52.05	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-2384	EA	2" 90 Degree Angle Liquid Tight Connector	69.02	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	246.83	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2386	EA	3" 90 Degree Angle Liquid Tight Connector	291.69	10.79
		For Work In Restricted Working Space, Add	*8.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.10*	
26 05 33 13-2387	EA	4" 90 Degree Angle Liquid Tight Connector	403.27	17.18
		For Work In Restricted Working Space, Add	*12.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.89*	

26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

26 05 33 13-2389	EA	3/8" 45 Degree Angle Liquid Tight Connector	19.97	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2390	EA	1/2" 45 Degree Angle Liquid Tight Connector	20.17	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2391	EA	3/4" 45 Degree Angle Liquid Tight Connector	23.90	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-2392	EA	1" 45 Degree Angle Liquid Tight Connector	36.25	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-2393	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	41.26	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2394	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	46.30	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	

26 05 33 13-2395 Flexible Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2396 Flexible Steel Conduit *(26 05 33 13-2395)*

26 05 33 13-2397	LF	3/8" Flexible Metallic Conduit	4.77	1.61
		For Flexible Aluminum Conduit, Add	*0.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.59*	
		For Installation In Metal Stud Wall, Add	*0.39*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.18*	
26 05 33 13-2398	LF	1/2" Flexible Metallic Conduit	4.95	1.61
		For Flexible Aluminum Conduit, Add	*0.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.60*	
		For Installation In Metal Stud Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.01*	
		For Work In Restricted Working Space, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2399	LF	3/4" Flexible Metallic Conduit	5.62	2.14
		For Flexible Aluminum Conduit, Add	*0.21*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.66*	
		For Installation In Metal Stud Wall, Add	*0.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.09*	
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-2400	LF	1" Flexible Metallic Conduit	7.03	2.14
		For Flexible Aluminum Conduit, Add	*0.38*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.71*	
		For Installation In Metal Stud Wall, Add	*0.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.18*	
		For Work In Restricted Working Space, Add	*1.41*	
26 05 33 13-2401	LF	1-1/4" Flexible Metallic Conduit	8.01	2.69
		For Flexible Aluminum Conduit, Add	*0.50*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.75*	
		For Installation In Metal Stud Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.24*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2402	LF	1-1/2" Flexible Metallic Conduit	10.50	3.23
		For Flexible Aluminum Conduit, Add	*0.88*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.78*	
		For Installation In Metal Stud Wall, Add	*0.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.29*	
		For Work In Restricted Working Space, Add	*1.55*	
26 05 33 13-2403	LF	2" Flexible Metallic Conduit	11.91	4.30
		For Flexible Aluminum Conduit, Add	*1.08*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.81*	
		For Installation In Metal Stud Wall, Add	*0.54*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.34*	
		For Work In Restricted Working Space, Add	*1.61*	
26 05 33 13-2404	LF	2-1/2" Flexible Steel Conduit	14.62	4.84
		For Flexible Aluminum Conduit, Add	*1.31*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.01*	
		For Installation In Metal Stud Wall, Add	*0.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.68*	
		For Work In Restricted Working Space, Add	*2.01*	
26 05 33 13-2405	LF	3" Flexible Metallic Conduit	21.80	5.91
		For Flexible Aluminum Conduit, Add	*2.27*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.21*	
		For Installation In Metal Stud Wall, Add	*0.81*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.02*	
		For Work In Restricted Working Space, Add	*2.42*	
26 05 33 13-2406	LF	3-1/2" Flexible Metallic Conduit	26.72	6.44
		For Flexible Aluminum Conduit, Add	*2.86*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.41*	
		For Installation In Metal Stud Wall, Add	*0.94*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.35*	
		For Work In Restricted Working Space, Add	*2.82*	
26 05 33 13-2407	LF	4" Flexible Metallic Conduit	30.73	7.53
		For Flexible Aluminum Conduit, Add	*3.30*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.61*	
		For Installation In Metal Stud Wall, Add	*1.07*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.69*	
		For Work In Restricted Working Space, Add	*3.22*	

26 05 33 13-2408 Plain Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2409	EA	3/8" Flexible Straight Connectors, Plain	8.15	4.30
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2410	EA	1/2" Flexible Straight Connectors, Plain	10.06	4.84
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2411	EA	3/4" Flexible Straight Connectors, Plain	11.59	5.91
		For Work In Restricted Working Space, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-2412	EA	1" Flexible Straight Connectors, Plain	18.48	6.44
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2413	EA	1-1/4" Flexible Straight Connectors, Plain	26.10	7.53
		For Work In Restricted Working Space, Add	*4.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 05 33 13-2414	EA	1-1/2" Flexible Straight Connectors, Plain	34.37	9.13
		For Work In Restricted Working Space, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain	45.17	9.13
		For Work In Restricted Working Space, Add	*6.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	72.66	11.28
		For Work In Restricted Working Space, Add	*7.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.05*	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain	95.00	12.35
		For Work In Restricted Working Space, Add	*8.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	293.76	14.51
		For Work In Restricted Working Space, Add	*9.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.07*	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain	366.98	17.73
		For Work In Restricted Working Space, Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 33 13-2420		**Insulated Throat Squeeze Type Straight Connector** *(26 05 33 13-2395)*		
26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	11.21	4.84
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	13.10	5.91
		For Work In Restricted Working Space, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	20.54	6.44
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	29.88	7.53
		For Work In Restricted Working Space, Add	*4.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	41.10	8.06
		For Work In Restricted Working Space, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	57.05	9.13
		For Work In Restricted Working Space, Add	*6.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	98.07	11.28
		For Work In Restricted Working Space, Add	*7.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.05*	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	124.96	12.35
		For Work In Restricted Working Space, Add	*8.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	339.93	14.51
		For Work In Restricted Working Space, Add	*9.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.07*	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	436.41	17.73
		For Work In Restricted Working Space, Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 33 13-2431		**Plain Squeeze Type 90 Degree Connector** *(26 05 33 13-2395)*		
26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	11.44	5.37
		For Work In Restricted Working Space, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	15.05	5.91
		For Work In Restricted Working Space, Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	19.59	6.44
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	27.40	7.53
		For Work In Restricted Working Space, Add	*4.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	42.63	8.06
		For Work In Restricted Working Space, Add	*4.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	66.50	9.40
		For Work In Restricted Working Space, Add	*6.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	80.15	11.55
		For Work In Restricted Working Space, Add	*6.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.85*	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	176.25	12.35
		For Work In Restricted Working Space, Add	*8.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	226.34	14.51
		For Work In Restricted Working Space, Add	*9.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.07*	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	479.58	17.73
		For Work In Restricted Working Space, Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	856.42	20.15
		For Work In Restricted Working Space, Add	*12.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 33 13-2443		**Insulated Throat Squeeze Type 90 Degree Connector** *(26 05 33 13-2395)*		
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	16.65	5.91
		For Work In Restricted Working Space, Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	21.56	6.44
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	27.40	7.53
		For Work In Restricted Working Space, Add	*4.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	49.64	8.06
		For Work In Restricted Working Space, Add	*4.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	79.23	9.40
		For Work In Restricted Working Space, Add	*6.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	100.85	11.55
		For Work In Restricted Working Space, Add	*6.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.85*	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	240.95	12.35
		For Work In Restricted Working Space, Add	*8.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	296.44	14.51
		For Work In Restricted Working Space, Add	*9.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.07*	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	797.29	17.73
		For Work In Restricted Working Space, Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	1,189.18	20.15
		For Work In Restricted Working Space, Add	*12.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	

26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	12.73	5.37
		For Work In Restricted Working Space, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	17.12	5.91
		For Work In Restricted Working Space, Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	21.90	6.44
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	

26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	13.62	6.44
		For Work In Restricted Working Space, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	18.58	5.91
		For Work In Restricted Working Space, Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	23.97	6.44
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	

26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	6.82	4.30
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	7.36	4.84
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	9.37	5.91
		For Work In Restricted Working Space, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	13.38	6.44
		For Work In Restricted Working Space, Add	*3.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	19.61	7.53
		For Work In Restricted Working Space, Add	*4.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	23.98	8.06
		For Work In Restricted Working Space, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	35.09	9.13
		For Work In Restricted Working Space, Add	*6.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	7.20	4.30
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	7.66	4.84
		For Work In Restricted Working Space, Add	*2.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	10.16	5.91
		For Work In Restricted Working Space, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	14.58	6.44
			For Work In Restricted Working Space, Add	*3.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
	26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	21.31	7.53
			For Work In Restricted Working Space, Add	*4.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
	26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	26.02	8.06
			For Work In Restricted Working Space, Add	*5.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
	26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	36.89	9.13
			For Work In Restricted Working Space, Add	*6.05*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
	26 05 33 13-2478		**Screw-In Coupling** *(26 05 33 13-2395)*		
	26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	8.11	4.84
			For Work In Restricted Working Space, Add	*2.01*	
	26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	10.61	5.91
			For Work In Restricted Working Space, Add	*2.42*	
	26 05 33 13-2481		**Flexible To Electrical Metallic Tubing (EMT) Coupling** *(26 05 33 13-2395)*		
	26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.79	4.30
			For Work In Restricted Working Space, Add	*1.81*	
	26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	14.63	4.84
			For Work In Restricted Working Space, Add	*2.01*	
	26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	19.32	5.91
			For Work In Restricted Working Space, Add	*2.42*	
	26 05 33 13-2485		**Die Cast Squeeze Type Straight Connector** *(26 05 33 13-2395)*		
	26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	7.06	4.30
			For Work In Restricted Working Space, Add	*1.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
	26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	7.98	4.84
			For Work In Restricted Working Space, Add	*2.01*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
	26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	9.90	5.91
			For Work In Restricted Working Space, Add	*2.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
	26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	14.85	6.44
			For Work In Restricted Working Space, Add	*3.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
	26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	19.97	7.53
			For Work In Restricted Working Space, Add	*4.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
	26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	27.05	8.06
			For Work In Restricted Working Space, Add	*5.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
	26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	34.92	9.13
			For Work In Restricted Working Space, Add	*6.05*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
	26 05 33 13-2493		**Die Cast Squeeze Type 90 Degree Connector** *(26 05 33 13-2395)*		
	26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	9.36	5.37
			For Work In Restricted Working Space, Add	*2.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
	26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	11.58	5.91
			For Work In Restricted Working Space, Add	*2.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
	26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	14.02	6.44
			For Work In Restricted Working Space, Add	*3.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
	26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	22.10	7.53
			For Work In Restricted Working Space, Add	*4.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
	26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	31.25	8.06
			For Work In Restricted Working Space, Add	*4.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
	26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	48.40	9.40
			For Work In Restricted Working Space, Add	*6.05*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
	26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	57.83	11.55
			For Work In Restricted Working Space, Add	*6.85*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.85*	
	26 05 33 13-2501		**Flexible Liquid Tight Non-Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
	26 05 33 13-2502		**Flexible Liquid Tight Non-Metallic Conduit** *(26 05 33 13-2501)*		
	26 05 33 13-2503	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	4.60	1.47
			For Work In Restricted Working Space, Add	*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2504	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	4.68	1.47
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-2505	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	6.29	1.96
		For Work In Restricted Working Space, Add	*1.47*	
26 05 33 13-2506	LF	1" Flexible Liquid Tight Non-Metallic Conduit	7.69	1.96
		For Work In Restricted Working Space, Add	*1.47*	
26 05 33 13-2507	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	9.75	2.46
		For Work In Restricted Working Space, Add	*1.84*	
26 05 33 13-2508	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	12.41	2.95
		For Work In Restricted Working Space, Add	*2.21*	
26 05 33 13-2509	LF	2" Flexible Liquid Tight Non-Metallic Conduit	15.95	3.93
		For Work In Restricted Working Space, Add	*2.94*	

26 05 33 13-2510 Liquid Tight Non-Metallic Straight Connector *(26 05 33 13-2501)*

26 05 33 13-2511	EA	3/8" Liquid Tight Non-Metallic Straight Connector	13.20	3.93
		For Work In Restricted Working Space, Add	*2.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-2512	EA	1/2" Liquid Tight Non-Metallic Straight Connector	13.20	3.93
		For Work In Restricted Working Space, Add	*2.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-2513	EA	3/4" Liquid Tight Non-Metallic Straight Connector	16.06	4.42
		For Work In Restricted Working Space, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.32*	
26 05 33 13-2514	EA	1" Liquid Tight Non-Metallic Straight Connector	19.80	4.91
		For Work In Restricted Working Space, Add	*3.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 33 13-2515	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	27.02	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2516	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	33.54	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-2517	EA	2" Liquid Tight Non-Metallic Straight Connector	51.70	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	

26 05 33 13-2518 Liquid Tight Non-Metallic 90 Degree Angle Connector *(26 05 33 13-2501)*

26 05 33 13-2519	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	19.01	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2520	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	19.01	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2521	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	23.20	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-2522	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	32.48	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-2523	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	33.63	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2524	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	52.30	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-2525	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	69.87	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	

26 05 33 13-2526 Liquid Tight Non-Metallic 45 Degree Angle Connector *(26 05 33 13-2501)*

26 05 33 13-2527	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	19.01	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2528	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	19.01	5.40
		For Work In Restricted Working Space, Add	*4.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-2529	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	23.20	5.89
		For Work In Restricted Working Space, Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.42*	
26 05 33 13-2530	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	32.48	6.88
		For Work In Restricted Working Space, Add	*5.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-2531	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	33.63	7.37
		For Work In Restricted Working Space, Add	*5.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	52.30	7.86
		For Work In Restricted Working Space, Add	*5.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.89*	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	69.87	8.84
		For Work In Restricted Working Space, Add	*6.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2534			**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2353)* Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535			**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2534)*		
26 05 33 13-2536		LF	1/2" Blue ENT Electrical Non-Metallic Tubing	5.69	1.61
			For Work In Restricted Working Space, Add	*1.21*	
26 05 33 13-2537		LF	3/4" Blue ENT Electrical Non-Metallic Tubing	7.69	2.14
			For Work In Restricted Working Space, Add	*1.61*	
26 05 33 13-2538		LF	1" Blue ENT Electrical Non-Metallic Tubing	9.11	2.14
			For Work In Restricted Working Space, Add	*1.61*	
26 05 33 13-2539			**Terminal Adapter** *(26 05 33 13-2534)*		
26 05 33 13-2540		EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	13.47	4.30
			For Work In Restricted Working Space, Add	*3.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 33 13-2541		EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	17.07	4.84
			For Work In Restricted Working Space, Add	*3.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.62*	
26 05 33 13-2542		EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	19.85	5.37
			For Work In Restricted Working Space, Add	*4.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 05 33 13-2543			**Coupling** *(26 05 33 13-2534)*		
26 05 33 13-2544		EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	13.12	4.30
			For Work In Restricted Working Space, Add	*3.22*	
26 05 33 13-2545		EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	15.17	4.84
			For Work In Restricted Working Space, Add	*3.62*	
26 05 33 13-2546		EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	18.06	5.37
			For Work In Restricted Working Space, Add	*4.03*	
26 05 33 13-2547			**Metallic Conduit Bodies** *(26 05 33 13-0058)*		
26 05 33 13-2548			**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-2547)* Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2549			**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2548)*		
26 05 33 13-2550		EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	69.54	23.56
			For Mogul LB, Add	*5.03*	
			For Work In Restricted Working Space, Add	*17.67*	
			For Elevated Installation >10' To 15', Add	*5.89*	
			For Elevated Installation >15' To 20', Add	*11.78*	
			For Elevated Installation >20' To 25', Add	*14.73*	
			For Elevated Installation >25' To 30', Add	*20.62*	
			For Elevated Installation >30' To 35', Add	*23.56*	
			For Elevated Installation >35' To 40', Add	*29.46*	
			For Elevated Installation >40', Add	*32.40*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.67*	
26 05 33 13-2551		EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	81.93	26.99
			For Mogul LB, Add	*7.46*	
			For Work In Restricted Working Space, Add	*20.25*	
			For Elevated Installation >10' To 15', Add	*6.75*	
			For Elevated Installation >15' To 20', Add	*13.50*	
			For Elevated Installation >20' To 25', Add	*16.87*	
			For Elevated Installation >25' To 30', Add	*23.62*	
			For Elevated Installation >30' To 35', Add	*27.00*	
			For Elevated Installation >35' To 40', Add	*33.75*	
			For Elevated Installation >40', Add	*37.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-2552		EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	99.10	31.41
			For Mogul LB, Add	*11.49*	
			For Work In Restricted Working Space, Add	*23.56*	
			For Elevated Installation >10' To 15', Add	*7.85*	
			For Elevated Installation >15' To 20', Add	*15.71*	
			For Elevated Installation >20' To 25', Add	*19.64*	
			For Elevated Installation >25' To 30', Add	*27.49*	
			For Elevated Installation >30' To 35', Add	*31.42*	
			For Elevated Installation >35' To 40', Add	*39.27*	
			For Elevated Installation >40', Add	*43.20*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2553	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	120.28	35.83
		For Mogul LB, Add	*18.55*	
		For Work In Restricted Working Space, Add	*26.87*	
		For Elevated Installation >10' To 15', Add	*8.96*	
		For Elevated Installation >15' To 20', Add	*17.92*	
		For Elevated Installation >20' To 25', Add	*22.40*	
		For Elevated Installation >25' To 30', Add	*31.35*	
		For Elevated Installation >30' To 35', Add	*35.83*	
		For Elevated Installation >35' To 40', Add	*44.79*	
		For Elevated Installation >40', Add	*49.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.87*	
26 05 33 13-2554	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	137.78	39.27
		For Mogul LB, Add	*24.80*	
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-2555	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	181.77	47.12
		For Mogul LB, Add	*42.09*	
		For Work In Restricted Working Space, Add	*35.34*	
		For Elevated Installation >10' To 15', Add	*11.78*	
		For Elevated Installation >15' To 20', Add	*23.56*	
		For Elevated Installation >20' To 25', Add	*29.45*	
		For Elevated Installation >25' To 30', Add	*41.23*	
		For Elevated Installation >30' To 35', Add	*47.12*	
		For Elevated Installation >35' To 40', Add	*58.90*	
		For Elevated Installation >40', Add	*64.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2556	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	307.24	66.26
		For Mogul LB, Add	*97.90*	
		For Work In Restricted Working Space, Add	*49.70*	
		For Elevated Installation >10' To 15', Add	*16.57*	
		For Elevated Installation >15' To 20', Add	*33.13*	
		For Elevated Installation >20' To 25', Add	*41.42*	
		For Elevated Installation >25' To 30', Add	*57.98*	
		For Elevated Installation >30' To 35', Add	*66.26*	
		For Elevated Installation >35' To 40', Add	*82.83*	
		For Elevated Installation >40', Add	*91.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.70*	
26 05 33 13-2557	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	403.69	88.35
		For Mogul LB, Add	*126.06*	
		For Work In Restricted Working Space, Add	*66.26*	
		For Elevated Installation >10' To 15', Add	*22.09*	
		For Elevated Installation >15' To 20', Add	*44.18*	
		For Elevated Installation >20' To 25', Add	*55.22*	
		For Elevated Installation >25' To 30', Add	*77.31*	
		For Elevated Installation >30' To 35', Add	*88.35*	
		For Elevated Installation >35' To 40', Add	*110.44*	
		For Elevated Installation >40', Add	*121.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.26*	
26 05 33 13-2558	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	537.55	110.44
		For Mogul LB, Add	*182.28*	
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.05*	
		For Elevated Installation >40', Add	*151.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2559	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	699.53	134.49
		For Mogul LB, Add	*255.66*	
		For Work In Restricted Working Space, Add	*100.87*	
		For Elevated Installation >10' To 15', Add	*33.62*	
		For Elevated Installation >15' To 20', Add	*67.25*	
		For Elevated Installation >20' To 25', Add	*84.06*	
		For Elevated Installation >25' To 30', Add	*117.68*	
		For Elevated Installation >30' To 35', Add	*134.49*	
		For Elevated Installation >35' To 40', Add	*168.12*	
		For Elevated Installation >40', Add	*184.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.87*	

26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2561	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	70.84	23.56
		For Mogul LB, Add	*6.00*	
		For Work In Restricted Working Space, Add	*17.67*	
		For Elevated Installation >10' To 15', Add	*5.89*	
		For Elevated Installation >15' To 20', Add	*11.78*	
		For Elevated Installation >20' To 25', Add	*14.73*	
		For Elevated Installation >25' To 30', Add	*20.62*	
		For Elevated Installation >30' To 35', Add	*23.56*	
		For Elevated Installation >35' To 40', Add	*29.46*	
		For Elevated Installation >40', Add	*32.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.67*	
26 05 33 13-2562	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	83.19	26.99
		For Mogul LB, Add	*8.40*	
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-2563	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	101.64	31.41
		For Mogul LB, Add	*13.40*	
		For Work In Restricted Working Space, Add	*23.56*	
		For Elevated Installation >10' To 15', Add	*7.85*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.49*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.27*	
		For Elevated Installation >40', Add	*43.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.56*	
26 05 33 13-2564	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	123.38	35.83
		For Mogul LB, Add	*20.87*	
		For Work In Restricted Working Space, Add	*26.87*	
		For Elevated Installation >10' To 15', Add	*8.96*	
		For Elevated Installation >15' To 20', Add	*17.92*	
		For Elevated Installation >20' To 25', Add	*22.40*	
		For Elevated Installation >25' To 30', Add	*31.35*	
		For Elevated Installation >30' To 35', Add	*35.83*	
		For Elevated Installation >35' To 40', Add	*44.79*	
		For Elevated Installation >40', Add	*49.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.87*	
26 05 33 13-2565	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	143.05	39.27
		For Mogul LB, Add	*28.75*	
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-2566	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	193.08	47.12
		For Mogul LB, Add	*50.57*	
		For Work In Restricted Working Space, Add	*35.34*	
		For Elevated Installation >10' To 15', Add	*11.78*	
		For Elevated Installation >15' To 20', Add	*23.56*	
		For Elevated Installation >20' To 25', Add	*29.45*	
		For Elevated Installation >25' To 30', Add	*41.23*	
		For Elevated Installation >30' To 35', Add	*47.12*	
		For Elevated Installation >35' To 40', Add	*58.90*	
		For Elevated Installation >40', Add	*64.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2567	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	301.54	66.26
		For Mogul LB, Add	*93.63*	
		For Work In Restricted Working Space, Add	*49.70*	
		For Elevated Installation >10' To 15', Add	*16.57*	
		For Elevated Installation >15' To 20', Add	*33.13*	
		For Elevated Installation >20' To 25', Add	*41.42*	
		For Elevated Installation >25' To 30', Add	*57.98*	
		For Elevated Installation >30' To 35', Add	*66.26*	
		For Elevated Installation >35' To 40', Add	*82.83*	
		For Elevated Installation >40', Add	*91.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2568	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	384.50	88.35
		For Mogul LB, Add	*111.67*	
		For Work In Restricted Working Space, Add	*66.26*	
		For Elevated Installation >10' To 15', Add	*22.09*	
		For Elevated Installation >15' To 20', Add	*44.18*	
		For Elevated Installation >20' To 25', Add	*55.22*	
		For Elevated Installation >25' To 30', Add	*77.31*	
		For Elevated Installation >30' To 35', Add	*88.35*	
		For Elevated Installation >35' To 40', Add	*110.44*	
		For Elevated Installation >40', Add	*121.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.26*	
26 05 33 13-2569	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	553.90	110.44
		For Mogul LB, Add	*194.55*	
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.05*	
		For Elevated Installation >40', Add	*151.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2570	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	732.96	134.49
		For Mogul LB, Add	*280.74*	
		For Work In Restricted Working Space, Add	*100.87*	
		For Elevated Installation >10' To 15', Add	*33.62*	
		For Elevated Installation >15' To 20', Add	*67.25*	
		For Elevated Installation >20' To 25', Add	*84.06*	
		For Elevated Installation >25' To 30', Add	*117.68*	
		For Elevated Installation >30' To 35', Add	*134.49*	
		For Elevated Installation >35' To 40', Add	*168.12*	
		For Elevated Installation >40', Add	*184.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.87*	
26 05 33 13-2571		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*		
26 05 33 13-2572	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	81.59	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	96.69	31.41
		For Work In Restricted Working Space, Add	*23.56*	
		For Elevated Installation >10' To 15', Add	*7.85*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.49*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.27*	
		For Elevated Installation >40', Add	*43.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.56*	
26 05 33 13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	111.59	34.36
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	
26 05 33 13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	137.11	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	158.60	43.20
		For Work In Restricted Working Space, Add	*32.40*	
		For Elevated Installation >10' To 15', Add	*10.80*	
		For Elevated Installation >15' To 20', Add	*21.60*	
		For Elevated Installation >20' To 25', Add	*27.00*	
		For Elevated Installation >25' To 30', Add	*37.80*	
		For Elevated Installation >30' To 35', Add	*43.20*	
		For Elevated Installation >35' To 40', Add	*54.00*	
		For Elevated Installation >40', Add	*59.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	212.95	50.56
		For Work In Restricted Working Space, Add	*37.92*	
		For Elevated Installation >10' To 15', Add	*12.64*	
		For Elevated Installation >15' To 20', Add	*25.28*	
		For Elevated Installation >20' To 25', Add	*31.60*	
		For Elevated Installation >25' To 30', Add	*44.24*	
		For Elevated Installation >30' To 35', Add	*50.56*	
		For Elevated Installation >35' To 40', Add	*63.20*	
		For Elevated Installation >40', Add	*69.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.92*	
26 05 33 13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	337.02	73.63
		For Work In Restricted Working Space, Add	*55.22*	
		For Elevated Installation >10' To 15', Add	*18.41*	
		For Elevated Installation >15' To 20', Add	*36.81*	
		For Elevated Installation >20' To 25', Add	*46.02*	
		For Elevated Installation >25' To 30', Add	*64.42*	
		For Elevated Installation >30' To 35', Add	*73.63*	
		For Elevated Installation >35' To 40', Add	*92.04*	
		For Elevated Installation >40', Add	*101.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.22*	
26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	435.36	95.72
		For Work In Restricted Working Space, Add	*71.79*	
		For Elevated Installation >10' To 15', Add	*23.93*	
		For Elevated Installation >15' To 20', Add	*47.86*	
		For Elevated Installation >20' To 25', Add	*59.82*	
		For Elevated Installation >25' To 30', Add	*83.75*	
		For Elevated Installation >30' To 35', Add	*95.72*	
		For Elevated Installation >35' To 40', Add	*119.65*	
		For Elevated Installation >40', Add	*131.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.79*	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	701.75	117.80
		For Work In Restricted Working Space, Add	*88.35*	
		For Elevated Installation >10' To 15', Add	*29.45*	
		For Elevated Installation >15' To 20', Add	*58.90*	
		For Elevated Installation >20' To 25', Add	*73.63*	
		For Elevated Installation >25' To 30', Add	*103.08*	
		For Elevated Installation >30' To 35', Add	*117.80*	
		For Elevated Installation >35' To 40', Add	*147.26*	
		For Elevated Installation >40', Add	*161.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.35*	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	803.01	141.86
		For Work In Restricted Working Space, Add	*106.39*	
		For Elevated Installation >10' To 15', Add	*35.46*	
		For Elevated Installation >15' To 20', Add	*70.93*	
		For Elevated Installation >20' To 25', Add	*88.66*	
		For Elevated Installation >25' To 30', Add	*124.12*	
		For Elevated Installation >30' To 35', Add	*141.85*	
		For Elevated Installation >35' To 40', Add	*177.32*	
		For Elevated Installation >40', Add	*195.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.39*	

26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	71.10	23.56
		For Work In Restricted Working Space, Add	*17.67*	
		For Elevated Installation >10' To 15', Add	*5.89*	
		For Elevated Installation >15' To 20', Add	*11.78*	
		For Elevated Installation >20' To 25', Add	*14.73*	
		For Elevated Installation >25' To 30', Add	*20.62*	
		For Elevated Installation >30' To 35', Add	*23.56*	
		For Elevated Installation >35' To 40', Add	*29.46*	
		For Elevated Installation >40', Add	*32.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.67*	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	82.30	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	99.38	30.92
		For Work In Restricted Working Space, Add	*23.19*	
		For Elevated Installation >10' To 15', Add	*7.73*	
		For Elevated Installation >15' To 20', Add	*15.46*	
		For Elevated Installation >20' To 25', Add	*19.33*	
		For Elevated Installation >25' To 30', Add	*27.06*	
		For Elevated Installation >30' To 35', Add	*30.92*	
		For Elevated Installation >35' To 40', Add	*38.66*	
		For Elevated Installation >40', Add	*42.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	122.14	35.83
		For Work In Restricted Working Space, Add	*26.87*	
		For Elevated Installation >10' To 15', Add	*8.96*	
		For Elevated Installation >15' To 20', Add	*17.92*	
		For Elevated Installation >20' To 25', Add	*22.40*	
		For Elevated Installation >25' To 30', Add	*31.35*	
		For Elevated Installation >30' To 35', Add	*35.83*	
		For Elevated Installation >35' To 40', Add	*44.79*	
		For Elevated Installation >40', Add	*49.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.87*	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	136.91	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-2588	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	181.86	47.12
		For Work In Restricted Working Space, Add	*35.34*	
		For Elevated Installation >10' To 15', Add	*11.78*	
		For Elevated Installation >15' To 20', Add	*23.56*	
		For Elevated Installation >20' To 25', Add	*29.45*	
		For Elevated Installation >25' To 30', Add	*41.23*	
		For Elevated Installation >30' To 35', Add	*47.12*	
		For Elevated Installation >35' To 40', Add	*58.90*	
		For Elevated Installation >40', Add	*64.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2589	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	296.73	66.26
		For Work In Restricted Working Space, Add	*49.70*	
		For Elevated Installation >10' To 15', Add	*16.57*	
		For Elevated Installation >15' To 20', Add	*33.13*	
		For Elevated Installation >20' To 25', Add	*41.42*	
		For Elevated Installation >25' To 30', Add	*57.98*	
		For Elevated Installation >30' To 35', Add	*66.26*	
		For Elevated Installation >35' To 40', Add	*82.83*	
		For Elevated Installation >40', Add	*91.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.70*	
26 05 33 13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	381.43	88.35
		For Work In Restricted Working Space, Add	*66.26*	
		For Elevated Installation >10' To 15', Add	*22.09*	
		For Elevated Installation >15' To 20', Add	*44.18*	
		For Elevated Installation >20' To 25', Add	*55.22*	
		For Elevated Installation >25' To 30', Add	*77.31*	
		For Elevated Installation >30' To 35', Add	*88.35*	
		For Elevated Installation >35' To 40', Add	*110.44*	
		For Elevated Installation >40', Add	*121.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.26*	
26 05 33 13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	544.07	110.44
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.05*	
		For Elevated Installation >40', Add	*151.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	702.60	134.49
		For Work In Restricted Working Space, Add	*100.87*	
		For Elevated Installation >10' To 15', Add	*33.62*	
		For Elevated Installation >15' To 20', Add	*67.25*	
		For Elevated Installation >20' To 25', Add	*84.06*	
		For Elevated Installation >25' To 30', Add	*117.68*	
		For Elevated Installation >30' To 35', Add	*134.49*	
		For Elevated Installation >35' To 40', Add	*168.12*	
		For Elevated Installation >40', Add	*184.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.87*	

26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2594	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	94.62	30.92
		For Work In Restricted Working Space, Add	*23.19*	
		For Elevated Installation >10' To 15', Add	*7.73*	
		For Elevated Installation >15' To 20', Add	*15.46*	
		For Elevated Installation >20' To 25', Add	*19.33*	
		For Elevated Installation >25' To 30', Add	*27.06*	
		For Elevated Installation >30' To 35', Add	*30.92*	
		For Elevated Installation >35' To 40', Add	*38.66*	
		For Elevated Installation >40', Add	*42.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	109.31	34.36
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	
26 05 33 13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	134.10	37.80
		For Work In Restricted Working Space, Add	*28.35*	
		For Elevated Installation >10' To 15', Add	*9.45*	
		For Elevated Installation >15' To 20', Add	*18.90*	
		For Elevated Installation >20' To 25', Add	*23.62*	
		For Elevated Installation >25' To 30', Add	*33.07*	
		For Elevated Installation >30' To 35', Add	*37.80*	
		For Elevated Installation >35' To 40', Add	*47.25*	
		For Elevated Installation >40', Add	*51.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.35*	
26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	154.62	43.20
		For Work In Restricted Working Space, Add	*32.40*	
		For Elevated Installation >10' To 15', Add	*10.80*	
		For Elevated Installation >15' To 20', Add	*21.60*	
		For Elevated Installation >20' To 25', Add	*27.00*	
		For Elevated Installation >25' To 30', Add	*37.80*	
		For Elevated Installation >30' To 35', Add	*43.20*	
		For Elevated Installation >35' To 40', Add	*54.00*	
		For Elevated Installation >40', Add	*59.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.40*	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	199.48	47.12
		For Work In Restricted Working Space, Add	*35.34*	
		For Elevated Installation >10' To 15', Add	*11.78*	
		For Elevated Installation >15' To 20', Add	*23.56*	
		For Elevated Installation >20' To 25', Add	*29.45*	
		For Elevated Installation >25' To 30', Add	*41.23*	
		For Elevated Installation >30' To 35', Add	*47.12*	
		For Elevated Installation >35' To 40', Add	*58.90*	
		For Elevated Installation >40', Add	*64.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	241.12	57.92
		For Work In Restricted Working Space, Add	*43.44*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.96*	
		For Elevated Installation >20' To 25', Add	*36.20*	
		For Elevated Installation >25' To 30', Add	*50.68*	
		For Elevated Installation >30' To 35', Add	*57.92*	
		For Elevated Installation >35' To 40', Add	*72.40*	
		For Elevated Installation >40', Add	*79.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.44*	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	451.27	84.91
		For Work In Restricted Working Space, Add	*63.69*	
		For Elevated Installation >10' To 15', Add	*21.23*	
		For Elevated Installation >15' To 20', Add	*42.46*	
		For Elevated Installation >20' To 25', Add	*53.07*	
		For Elevated Installation >25' To 30', Add	*74.30*	
		For Elevated Installation >30' To 35', Add	*84.92*	
		For Elevated Installation >35' To 40', Add	*106.15*	
		For Elevated Installation >40', Add	*116.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.69*	
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	556.06	110.44
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.05*	
		For Elevated Installation >40', Add	*151.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	795.10	136.45
		For Work In Restricted Working Space, Add	*103.08*	
		For Elevated Installation >10' To 15', Add	*34.36*	
		For Elevated Installation >15' To 20', Add	*68.72*	
		For Elevated Installation >20' To 25', Add	*85.90*	
		For Elevated Installation >25' To 30', Add	*120.26*	
		For Elevated Installation >30' To 35', Add	*137.44*	
		For Elevated Installation >35' To 40', Add	*171.80*	
		For Elevated Installation >40', Add	*188.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	960.68	163.95
		For Work In Restricted Working Space, Add	*122.96*	
		For Elevated Installation >10' To 15', Add	*40.99*	
		For Elevated Installation >15' To 20', Add	*81.97*	
		For Elevated Installation >20' To 25', Add	*102.47*	
		For Elevated Installation >25' To 30', Add	*143.45*	
		For Elevated Installation >30' To 35', Add	*163.94*	
		For Elevated Installation >35' To 40', Add	*204.93*	
		For Elevated Installation >40', Add	*225.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.96*	

26 05 33 13-2604 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2547)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	73.17	23.56
		For Work In Restricted Working Space, Add	*17.67*	
		For Elevated Installation >10' To 15', Add	*5.89*	
		For Elevated Installation >15' To 20', Add	*11.78*	
		For Elevated Installation >20' To 25', Add	*14.73*	
		For Elevated Installation >25' To 30', Add	*20.62*	
		For Elevated Installation >30' To 35', Add	*23.56*	
		For Elevated Installation >35' To 40', Add	*29.46*	
		For Elevated Installation >40', Add	*32.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.67*	
26 05 33 13-2607	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	84.96	26.99
		For Work In Restricted Working Space, Add	*20.24*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*26.99*	
		For Elevated Installation >35' To 40', Add	*33.74*	
		For Elevated Installation >40', Add	*37.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-2608	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	104.58	31.41
		For Work In Restricted Working Space, Add	*23.56*	
		For Elevated Installation >10' To 15', Add	*7.85*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.49*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.27*	
		For Elevated Installation >40', Add	*43.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.56*	
26 05 33 13-2609	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	136.31	35.83
		For Work In Restricted Working Space, Add	*26.87*	
		For Elevated Installation >10' To 15', Add	*8.96*	
		For Elevated Installation >15' To 20', Add	*17.92*	
		For Elevated Installation >20' To 25', Add	*22.40*	
		For Elevated Installation >25' To 30', Add	*31.35*	
		For Elevated Installation >30' To 35', Add	*35.83*	
		For Elevated Installation >35' To 40', Add	*44.79*	
		For Elevated Installation >40', Add	*49.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.87*	
26 05 33 13-2610	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	155.48	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-2611	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	213.73	47.12
		For Work In Restricted Working Space, Add	*35.34*	
		For Elevated Installation >10' To 15', Add	*11.78*	
		For Elevated Installation >15' To 20', Add	*23.56*	
		For Elevated Installation >20' To 25', Add	*29.45*	
		For Elevated Installation >25' To 30', Add	*41.23*	
		For Elevated Installation >30' To 35', Add	*47.12*	
		For Elevated Installation >35' To 40', Add	*58.91*	
		For Elevated Installation >40', Add	*64.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2612	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	362.01	66.26
		For Work In Restricted Working Space, Add	*49.70*	
		For Elevated Installation >10' To 15', Add	*16.57*	
		For Elevated Installation >15' To 20', Add	*33.13*	
		For Elevated Installation >20' To 25', Add	*41.42*	
		For Elevated Installation >25' To 30', Add	*57.98*	
		For Elevated Installation >30' To 35', Add	*66.27*	
		For Elevated Installation >35' To 40', Add	*82.84*	
		For Elevated Installation >40', Add	*91.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2613	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	513.78	88.35
		For Work In Restricted Working Space, Add	*66.27*	
		For Elevated Installation >10' To 15', Add	*22.09*	
		For Elevated Installation >15' To 20', Add	*44.18*	
		For Elevated Installation >20' To 25', Add	*55.22*	
		For Elevated Installation >25' To 30', Add	*77.31*	
		For Elevated Installation >30' To 35', Add	*88.36*	
		For Elevated Installation >35' To 40', Add	*110.45*	
		For Elevated Installation >40', Add	*121.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.27*	
26 05 33 13-2614	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	709.70	110.44
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.05*	
		For Elevated Installation >40', Add	*151.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2615	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	848.97	134.49
		For Work In Restricted Working Space, Add	*100.87*	
		For Elevated Installation >10' To 15', Add	*33.62*	
		For Elevated Installation >15' To 20', Add	*67.25*	
		For Elevated Installation >20' To 25', Add	*84.06*	
		For Elevated Installation >25' To 30', Add	*117.68*	
		For Elevated Installation >30' To 35', Add	*134.49*	
		For Elevated Installation >35' To 40', Add	*168.12*	
		For Elevated Installation >40', Add	*184.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.87*	

26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2617	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	76.46	23.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.67*	
26 05 33 13-2618	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	85.93	26.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-2619	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	109.62	31.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.56*	
26 05 33 13-2620	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	139.68	35.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.87*	
26 05 33 13-2621	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	159.61	39.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-2622	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	205.25	47.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2623	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	314.93	66.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.70*	
26 05 33 13-2624	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	429.12	88.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.27*	
26 05 33 13-2625	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	759.56	110.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2626	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	885.74	134.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.87*	

26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2628	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	91.02	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-2629	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	107.28	31.41
		For Work In Restricted Working Space, Add	*23.93*	
		For Elevated Installation >10' To 15', Add	*7.98*	
		For Elevated Installation >15' To 20', Add	*15.95*	
		For Elevated Installation >20' To 25', Add	*19.94*	
		For Elevated Installation >25' To 30', Add	*27.92*	
		For Elevated Installation >30' To 35', Add	*31.90*	
		For Elevated Installation >35' To 40', Add	*39.88*	
		For Elevated Installation >40', Add	*43.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2630	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	127.53	34.36
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	
26 05 33 13-2631	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	161.44	39.27
		For Work In Restricted Working Space, Add	*29.08*	
		For Elevated Installation >10' To 15', Add	*9.69*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.47*	
		For Elevated Installation >40', Add	*53.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.08*	
26 05 33 13-2632	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	185.49	43.20
		For Work In Restricted Working Space, Add	*32.40*	
		For Elevated Installation >10' To 15', Add	*10.80*	
		For Elevated Installation >15' To 20', Add	*21.60*	
		For Elevated Installation >20' To 25', Add	*27.00*	
		For Elevated Installation >25' To 30', Add	*37.80*	
		For Elevated Installation >30' To 35', Add	*43.20*	
		For Elevated Installation >35' To 40', Add	*54.00*	
		For Elevated Installation >40', Add	*59.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.40*	
26 05 33 13-2633	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	247.81	50.56
		For Work In Restricted Working Space, Add	*37.92*	
		For Elevated Installation >10' To 15', Add	*12.64*	
		For Elevated Installation >15' To 20', Add	*25.28*	
		For Elevated Installation >20' To 25', Add	*31.60*	
		For Elevated Installation >25' To 30', Add	*44.24*	
		For Elevated Installation >30' To 35', Add	*50.56*	
		For Elevated Installation >35' To 40', Add	*63.20*	
		For Elevated Installation >40', Add	*69.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.92*	
26 05 33 13-2634	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	311.46	73.63
		For Work In Restricted Working Space, Add	*55.22*	
		For Elevated Installation >10' To 15', Add	*18.41*	
		For Elevated Installation >15' To 20', Add	*36.81*	
		For Elevated Installation >20' To 25', Add	*46.02*	
		For Elevated Installation >25' To 30', Add	*64.42*	
		For Elevated Installation >30' To 35', Add	*73.63*	
		For Elevated Installation >35' To 40', Add	*92.04*	
		For Elevated Installation >40', Add	*101.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.22*	
26 05 33 13-2635	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	450.98	95.72
		For Work In Restricted Working Space, Add	*71.79*	
		For Elevated Installation >10' To 15', Add	*23.93*	
		For Elevated Installation >15' To 20', Add	*47.86*	
		For Elevated Installation >20' To 25', Add	*59.82*	
		For Elevated Installation >25' To 30', Add	*83.75*	
		For Elevated Installation >30' To 35', Add	*95.72*	
		For Elevated Installation >35' To 40', Add	*119.65*	
		For Elevated Installation >40', Add	*131.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.79*	
26 05 33 13-2636	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	800.99	117.80
		For Work In Restricted Working Space, Add	*88.35*	
		For Elevated Installation >10' To 15', Add	*29.45*	
		For Elevated Installation >15' To 20', Add	*58.90*	
		For Elevated Installation >20' To 25', Add	*73.63*	
		For Elevated Installation >25' To 30', Add	*103.08*	
		For Elevated Installation >30' To 35', Add	*117.80*	
		For Elevated Installation >35' To 40', Add	*147.26*	
		For Elevated Installation >40', Add	*161.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.35*	
26 05 33 13-2637	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	925.28	141.86
		For Work In Restricted Working Space, Add	*106.76*	
		For Elevated Installation >10' To 15', Add	*35.59*	
		For Elevated Installation >15' To 20', Add	*71.17*	
		For Elevated Installation >20' To 25', Add	*88.97*	
		For Elevated Installation >25' To 30', Add	*124.55*	
		For Elevated Installation >30' To 35', Add	*142.35*	
		For Elevated Installation >35' To 40', Add	*177.94*	
		For Elevated Installation >40', Add	*195.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.76*	

26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2639	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	73.40	23.56
		For Work In Restricted Working Space, Add	*17.67*	
		For Elevated Installation >10' To 15', Add	*5.89*	
		For Elevated Installation >15' To 20', Add	*11.78*	
		For Elevated Installation >20' To 25', Add	*14.73*	
		For Elevated Installation >25' To 30', Add	*20.62*	
		For Elevated Installation >30' To 35', Add	*23.56*	
		For Elevated Installation >35' To 40', Add	*29.45*	
		For Elevated Installation >40', Add	*32.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.67*	
26 05 33 13-2640	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	89.23	26.99
		For Work In Restricted Working Space, Add	*20.25*	
		For Elevated Installation >10' To 15', Add	*6.75*	
		For Elevated Installation >15' To 20', Add	*13.50*	
		For Elevated Installation >20' To 25', Add	*16.87*	
		For Elevated Installation >25' To 30', Add	*23.62*	
		For Elevated Installation >30' To 35', Add	*27.00*	
		For Elevated Installation >35' To 40', Add	*33.75*	
		For Elevated Installation >40', Add	*37.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.25*	
26 05 33 13-2641	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	104.54	30.92
		For Work In Restricted Working Space, Add	*23.19*	
		For Elevated Installation >10' To 15', Add	*7.73*	
		For Elevated Installation >15' To 20', Add	*15.46*	
		For Elevated Installation >20' To 25', Add	*19.33*	
		For Elevated Installation >25' To 30', Add	*27.06*	
		For Elevated Installation >30' To 35', Add	*30.92*	
		For Elevated Installation >35' To 40', Add	*38.66*	
		For Elevated Installation >40', Add	*42.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.19*	
26 05 33 13-2642	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	142.53	35.83
		For Work In Restricted Working Space, Add	*26.88*	
		For Elevated Installation >10' To 15', Add	*8.96*	
		For Elevated Installation >15' To 20', Add	*17.92*	
		For Elevated Installation >20' To 25', Add	*22.40*	
		For Elevated Installation >25' To 30', Add	*31.36*	
		For Elevated Installation >30' To 35', Add	*35.84*	
		For Elevated Installation >35' To 40', Add	*44.80*	
		For Elevated Installation >40', Add	*49.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.88*	
26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	167.13	39.27
		For Work In Restricted Working Space, Add	*29.45*	
		For Elevated Installation >10' To 15', Add	*9.82*	
		For Elevated Installation >15' To 20', Add	*19.63*	
		For Elevated Installation >20' To 25', Add	*24.54*	
		For Elevated Installation >25' To 30', Add	*34.36*	
		For Elevated Installation >30' To 35', Add	*39.27*	
		For Elevated Installation >35' To 40', Add	*49.09*	
		For Elevated Installation >40', Add	*53.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.45*	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	217.05	47.12
		For Work In Restricted Working Space, Add	*35.34*	
		For Elevated Installation >10' To 15', Add	*11.78*	
		For Elevated Installation >15' To 20', Add	*23.56*	
		For Elevated Installation >20' To 25', Add	*29.45*	
		For Elevated Installation >25' To 30', Add	*41.23*	
		For Elevated Installation >30' To 35', Add	*47.12*	
		For Elevated Installation >35' To 40', Add	*58.90*	
		For Elevated Installation >40', Add	*64.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	481.21	124.31
		For Work In Restricted Working Space, Add	*93.19*	
		For Elevated Installation >10' To 15', Add	*31.06*	
		For Elevated Installation >15' To 20', Add	*62.13*	
		For Elevated Installation >20' To 25', Add	*77.66*	
		For Elevated Installation >25' To 30', Add	*108.72*	
		For Elevated Installation >30' To 35', Add	*124.25*	
		For Elevated Installation >35' To 40', Add	*155.32*	
		For Elevated Installation >40', Add	*170.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.19*	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	464.68	88.35
		For Work In Restricted Working Space, Add	*66.27*	
		For Elevated Installation >10' To 15', Add	*22.09*	
		For Elevated Installation >15' To 20', Add	*44.18*	
		For Elevated Installation >20' To 25', Add	*55.22*	
		For Elevated Installation >25' To 30', Add	*77.31*	
		For Elevated Installation >30' To 35', Add	*88.36*	
		For Elevated Installation >35' To 40', Add	*110.45*	
		For Elevated Installation >40', Add	*121.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	759.56	110.44
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.05*	
		For Elevated Installation >40', Add	*151.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	885.72	134.49
		For Work In Restricted Working Space, Add	*100.86*	
		For Elevated Installation >10' To 15', Add	*33.62*	
		For Elevated Installation >15' To 20', Add	*67.24*	
		For Elevated Installation >20' To 25', Add	*84.05*	
		For Elevated Installation >25' To 30', Add	*117.67*	
		For Elevated Installation >30' To 35', Add	*134.48*	
		For Elevated Installation >35' To 40', Add	*168.11*	
		For Elevated Installation >40', Add	*184.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.86*	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	103.40	30.92
		For Work In Restricted Working Space, Add	*23.19*	
		For Elevated Installation >10' To 15', Add	*7.73*	
		For Elevated Installation >15' To 20', Add	*15.46*	
		For Elevated Installation >20' To 25', Add	*19.33*	
		For Elevated Installation >25' To 30', Add	*27.06*	
		For Elevated Installation >30' To 35', Add	*30.92*	
		For Elevated Installation >35' To 40', Add	*38.66*	
		For Elevated Installation >40', Add	*42.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.19*	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	112.96	34.36
		For Work In Restricted Working Space, Add	*25.77*	
		For Elevated Installation >10' To 15', Add	*8.59*	
		For Elevated Installation >15' To 20', Add	*17.18*	
		For Elevated Installation >20' To 25', Add	*21.48*	
		For Elevated Installation >25' To 30', Add	*30.07*	
		For Elevated Installation >30' To 35', Add	*34.36*	
		For Elevated Installation >35' To 40', Add	*42.95*	
		For Elevated Installation >40', Add	*47.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.77*	
26 05 33 13-2652	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	131.63	37.80
		For Work In Restricted Working Space, Add	*28.35*	
		For Elevated Installation >10' To 15', Add	*9.45*	
		For Elevated Installation >15' To 20', Add	*18.90*	
		For Elevated Installation >20' To 25', Add	*23.62*	
		For Elevated Installation >25' To 30', Add	*33.07*	
		For Elevated Installation >30' To 35', Add	*37.80*	
		For Elevated Installation >35' To 40', Add	*47.25*	
		For Elevated Installation >40', Add	*51.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.35*	
26 05 33 13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	157.03	43.20
		For Work In Restricted Working Space, Add	*32.40*	
		For Elevated Installation >10' To 15', Add	*10.80*	
		For Elevated Installation >15' To 20', Add	*21.60*	
		For Elevated Installation >20' To 25', Add	*27.00*	
		For Elevated Installation >25' To 30', Add	*37.80*	
		For Elevated Installation >30' To 35', Add	*43.20*	
		For Elevated Installation >35' To 40', Add	*54.00*	
		For Elevated Installation >40', Add	*59.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.40*	
26 05 33 13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	181.79	47.12
		For Work In Restricted Working Space, Add	*35.34*	
		For Elevated Installation >10' To 15', Add	*11.78*	
		For Elevated Installation >15' To 20', Add	*23.56*	
		For Elevated Installation >20' To 25', Add	*29.45*	
		For Elevated Installation >25' To 30', Add	*41.23*	
		For Elevated Installation >30' To 35', Add	*47.12*	
		For Elevated Installation >35' To 40', Add	*58.90*	
		For Elevated Installation >40', Add	*64.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.34*	
26 05 33 13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	256.19	57.92
		For Work In Restricted Working Space, Add	*43.44*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.96*	
		For Elevated Installation >20' To 25', Add	*36.20*	
		For Elevated Installation >25' To 30', Add	*50.68*	
		For Elevated Installation >30' To 35', Add	*57.92*	
		For Elevated Installation >35' To 40', Add	*72.40*	
		For Elevated Installation >40', Add	*79.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	411.17	84.91
		For Work In Restricted Working Space, Add	*63.69*	
		For Elevated Installation >10' To 15', Add	*21.23*	
		For Elevated Installation >15' To 20', Add	*42.46*	
		For Elevated Installation >20' To 25', Add	*53.07*	
		For Elevated Installation >25' To 30', Add	*74.30*	
		For Elevated Installation >30' To 35', Add	*84.92*	
		For Elevated Installation >35' To 40', Add	*106.15*	
		For Elevated Installation >40', Add	*116.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.69*	
26 05 33 13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	606.59	110.44
		For Work In Restricted Working Space, Add	*82.83*	
		For Elevated Installation >10' To 15', Add	*27.61*	
		For Elevated Installation >15' To 20', Add	*55.22*	
		For Elevated Installation >20' To 25', Add	*69.03*	
		For Elevated Installation >25' To 30', Add	*96.64*	
		For Elevated Installation >30' To 35', Add	*110.44*	
		For Elevated Installation >35' To 40', Add	*138.05*	
		For Elevated Installation >40', Add	*151.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.83*	
26 05 33 13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	912.64	136.45
		For Work In Restricted Working Space, Add	*102.34*	
		For Elevated Installation >10' To 15', Add	*34.11*	
		For Elevated Installation >15' To 20', Add	*68.23*	
		For Elevated Installation >20' To 25', Add	*85.29*	
		For Elevated Installation >25' To 30', Add	*119.40*	
		For Elevated Installation >30' To 35', Add	*136.46*	
		For Elevated Installation >35' To 40', Add	*170.57*	
		For Elevated Installation >40', Add	*187.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.34*	
26 05 33 13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	1,016.65	163.95
		For Work In Restricted Working Space, Add	*122.96*	
		For Elevated Installation >10' To 15', Add	*40.99*	
		For Elevated Installation >15' To 20', Add	*81.97*	
		For Elevated Installation >20' To 25', Add	*102.47*	
		For Elevated Installation >25' To 30', Add	*143.45*	
		For Elevated Installation >30' To 35', Add	*163.94*	
		For Elevated Installation >35' To 40', Add	*204.93*	
		For Elevated Installation >40', Add	*225.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.96*	

26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2547)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2662	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.69	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2663	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	45.55	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2664	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	62.05	15.21
		For Work In Restricted Working Space, Add	*11.41*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.61*	
		For Elevated Installation >20' To 25', Add	*9.51*	
		For Elevated Installation >25' To 30', Add	*13.31*	
		For Elevated Installation >30' To 35', Add	*15.22*	
		For Elevated Installation >35' To 40', Add	*19.02*	
		For Elevated Installation >40', Add	*20.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.41*	
26 05 33 13-2665	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	80.78	18.65
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2666	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	107.11	21.60
		For Work In Restricted Working Space, Add	*16.20*	
		For Elevated Installation >10' To 15', Add	*5.40*	
		For Elevated Installation >15' To 20', Add	*10.80*	
		For Elevated Installation >20' To 25', Add	*13.50*	
		For Elevated Installation >25' To 30', Add	*18.90*	
		For Elevated Installation >30' To 35', Add	*21.60*	
		For Elevated Installation >35' To 40', Add	*27.00*	
		For Elevated Installation >40', Add	*29.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.20*	
26 05 33 13-2667	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	143.12	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	

26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2669	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	36.02	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2670	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	46.86	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2671	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	57.50	15.21
		For Work In Restricted Working Space, Add	*11.41*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.61*	
		For Elevated Installation >20' To 25', Add	*9.51*	
		For Elevated Installation >25' To 30', Add	*13.31*	
		For Elevated Installation >30' To 35', Add	*15.22*	
		For Elevated Installation >35' To 40', Add	*19.02*	
		For Elevated Installation >40', Add	*20.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.41*	
26 05 33 13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	80.40	18.65
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	
26 05 33 13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	99.56	21.60
		For Work In Restricted Working Space, Add	*16.20*	
		For Elevated Installation >10' To 15', Add	*5.40*	
		For Elevated Installation >15' To 20', Add	*10.80*	
		For Elevated Installation >20' To 25', Add	*13.50*	
		For Elevated Installation >25' To 30', Add	*18.90*	
		For Elevated Installation >30' To 35', Add	*21.60*	
		For Elevated Installation >35' To 40', Add	*27.00*	
		For Elevated Installation >40', Add	*29.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.20*	
26 05 33 13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	142.47	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2675		**Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2660)*		
26 05 33 13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	46.26	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	60.49	15.21
		For Work In Restricted Working Space, Add	*11.41*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.61*	
		For Elevated Installation >20' To 25', Add	*9.51*	
		For Elevated Installation >25' To 30', Add	*13.31*	
		For Elevated Installation >30' To 35', Add	*15.22*	
		For Elevated Installation >35' To 40', Add	*19.02*	
		For Elevated Installation >40', Add	*20.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.41*	
26 05 33 13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	72.87	18.65
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	
26 05 33 13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	101.76	21.60
		For Work In Restricted Working Space, Add	*16.94*	
		For Elevated Installation >10' To 15', Add	*5.65*	
		For Elevated Installation >15' To 20', Add	*11.29*	
		For Elevated Installation >20' To 25', Add	*14.11*	
		For Elevated Installation >25' To 30', Add	*19.76*	
		For Elevated Installation >30' To 35', Add	*22.58*	
		For Elevated Installation >35' To 40', Add	*28.23*	
		For Elevated Installation >40', Add	*31.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.94*	
26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	131.20	24.55
		For Work In Restricted Working Space, Add	*19.88*	
		For Elevated Installation >10' To 15', Add	*6.63*	
		For Elevated Installation >15' To 20', Add	*13.25*	
		For Elevated Installation >20' To 25', Add	*16.57*	
		For Elevated Installation >25' To 30', Add	*23.19*	
		For Elevated Installation >30' To 35', Add	*26.50*	
		For Elevated Installation >35' To 40', Add	*33.13*	
		For Elevated Installation >40', Add	*36.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.88*	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	178.13	27.48
		For Work In Restricted Working Space, Add	*22.82*	
		For Elevated Installation >10' To 15', Add	*7.61*	
		For Elevated Installation >15' To 20', Add	*15.22*	
		For Elevated Installation >20' To 25', Add	*19.02*	
		For Elevated Installation >25' To 30', Add	*26.63*	
		For Elevated Installation >30' To 35', Add	*30.43*	
		For Elevated Installation >35' To 40', Add	*38.04*	
		For Elevated Installation >40', Add	*41.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.82*	
26 05 33 13-2682		**Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2660)*		
26 05 33 13-2683	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	37.13	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.76	12.27
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.14*	
		For Elevated Installation >20' To 25', Add	*7.67*	
		For Elevated Installation >25' To 30', Add	*10.74*	
		For Elevated Installation >30' To 35', Add	*12.27*	
		For Elevated Installation >35' To 40', Add	*15.34*	
		For Elevated Installation >40', Add	*16.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	63.70	15.21
		For Work In Restricted Working Space, Add	*11.41*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.61*	
		For Elevated Installation >20' To 25', Add	*9.51*	
		For Elevated Installation >25' To 30', Add	*13.31*	
		For Elevated Installation >30' To 35', Add	*15.22*	
		For Elevated Installation >35' To 40', Add	*19.02*	
		For Elevated Installation >40', Add	*20.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.41*	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	82.75	18.65
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	100.92	21.60
		For Work In Restricted Working Space, Add	*16.20*	
		For Elevated Installation >10' To 15', Add	*5.40*	
		For Elevated Installation >15' To 20', Add	*10.80*	
		For Elevated Installation >20' To 25', Add	*13.50*	
		For Elevated Installation >25' To 30', Add	*18.90*	
		For Elevated Installation >30' To 35', Add	*21.60*	
		For Elevated Installation >35' To 40', Add	*27.00*	
		For Elevated Installation >40', Add	*29.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.20*	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	155.07	24.55
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.27*	
		For Elevated Installation >20' To 25', Add	*15.34*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.54*	
		For Elevated Installation >35' To 40', Add	*30.68*	
		For Elevated Installation >40', Add	*33.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-2689		**Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-2547)*		
26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	171.44	26.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.17*	
26 05 33 13-2691	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	636.64	49.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.29*	
26 05 33 13-2692	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,225.03	100.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.65*	
26 05 33 13-2693		**Replacement Covers And Gaskets For Conduit Body** *(26 05 33 13-2547)*		
26 05 33 13-2694		**Replacement Stamped Aluminum Conduit Body Cover** *(26 05 33 13-2693)*		
26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	13.05	4.78
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	16.04	5.58
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	20.53	7.18
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	24.99	8.77
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	30.82	10.37
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	36.62	11.97
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	49.08	13.56
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	62.90	19.14
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	68.24	21.54
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	85.98	27.12
26 05 33 13-2705		**Replacement Cast Steel Conduit Body Cover** *(26 05 33 13-2693)*		
26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	15.43	4.78
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	18.11	5.58
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	25.63	7.18
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	31.90	8.77
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	38.86	10.37
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	45.82	11.97
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	52.73	13.56
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	71.53	19.14
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	81.83	21.54
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	103.18	27.12
26 05 33 13-2716		**Replacement Velbuna Composition Conduit Body Gasket** *(26 05 33 13-2693)*		
26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	11.99	4.78
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	13.67	5.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	17.88	7.18
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	23.39	8.77
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	26.58	10.37
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	31.72	11.97
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	42.38	13.56
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	54.53	19.14
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	60.32	21.54
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	71.36	27.12
26 05 33 13-2727		**Replacement Neoprene Conduit Body Gasket** *(26 05 33 13-2693)*		
26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	13.64	4.78
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	15.24	5.58
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	19.94	7.18
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	24.44	8.77
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	27.63	10.37
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	31.83	11.97
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	42.64	13.56
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	54.79	19.14
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	62.08	21.54
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	73.12	27.12
26 05 33 13-2738		**Cutting Knockouts In-Place Metal Boxes Or Enclosures** *(26 05 33 13-0058)*		
		Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	20.31	
		For Work In Restricted Working Space, Add	*6.09*	
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	22.87	
		For Work In Restricted Working Space, Add	*6.86*	
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	26.90	
		For Work In Restricted Working Space, Add	*8.07*	
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	29.86	
		For Work In Restricted Working Space, Add	*8.96*	
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	33.63	
		For Work In Restricted Working Space, Add	*10.09*	
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	39.82	
		For Work In Restricted Working Space, Add	*11.95*	
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	47.07	
		For Work In Restricted Working Space, Add	*14.12*	
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	53.81	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	60.53	
		For Work In Restricted Working Space, Add	*18.16*	
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	67.25	
		For Work In Restricted Working Space, Add	*20.18*	
26 05 33 13-2749		**Buried Pipe Or Conduit Wrap** *(26 05 33 13)*		
26 05 33 13-2750		**All-Weather Corrosion Protection Tape For Pipe Or Conduit** *(26 05 33 13-2749)*		
		Note: Priced by the linear feet of pipe or conduit the tape is installed on.		
26 05 33 13-2751	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.82	
26 05 33 13-2752	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.25	
26 05 33 13-2753	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.75	
26 05 33 13-2754	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.31	
26 05 33 13-2755	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.91	
26 05 33 13-2756	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.89	
26 05 33 13-2757	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.54	
26 05 33 13-2758	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.22	
26 05 33 13-2759	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.98	
26 05 33 13-2760	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	10.36	
26 05 33 13-2761	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.76	
26 05 33 13-2762	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.84	
26 05 33 13-2763	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.37	
26 05 33 13-2764	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.92	
26 05 33 13-2765	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.52	
26 05 33 13-2766	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.18	
26 05 33 13-2767	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.27	
26 05 33 13-2768	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.14	
26 05 33 13-2769	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	8.08	
26 05 33 13-2770	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	10.15	
26 05 33 13-2771	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	11.83	
26 05 33 13-2772	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	13.51	

26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0001		**Steel Junction, Device, And Fixture Boxes, Rings And Covers** *(26 05 33 16)* Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.		
26 05 33 16-0002		**4" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	42.74	20.15
		For Stud Bracket, Add	*0.60*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	43.85	20.15
		For Stud Bracket, Add	*1.08*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	47.67	20.15
		For Stud Bracket, Add	*1.18*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	32.30	13.43
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	28.44	13.43
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	14.60	6.71
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	14.77	6.71
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.90	6.71
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	15.32	6.71
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	15.44	6.71
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	16.76	6.71
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	15.10	6.71
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	15.22	6.71
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	15.38	6.71
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	16.73	6.71
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	17.01	6.71
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	18.73	6.71
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	15.76	6.71
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	16.85	6.71
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	15.08	6.71
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	15.18	6.71
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	15.05	6.71
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	15.34	6.71
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	15.59	6.71
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.62	6.71
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.54	6.71
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	18.62	6.71
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.54	6.71
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	16.25	6.71
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.62	6.71
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.62	6.71
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	14.21	6.71
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	46.85	20.15
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	44.34	20.15
		For Stud Bracket, Add	*0.57*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	56.97	20.15
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	33.35	13.43
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	33.97	13.43
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.11	6.71
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.14	6.71
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.21	6.71
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.78	6.71
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.69	6.71
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	22.15	6.71
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.97	6.71
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.20	6.71
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.21	6.71
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	19.79	6.71
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.12	6.71
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	23.94	6.71
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	17.76	6.71
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	17.87	6.71
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	20.83	6.71
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	21.66	6.71
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.59	6.71
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	19.68	6.71
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.70	6.71
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.65	6.71
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.65	6.71
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.65	6.71
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	14.89	6.71
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	21.30	10.09
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	15.19	6.72
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	23.99	10.09
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	25.37	10.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	35.58	16.78
		For Stud Bracket, Add	*1.46*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	36.56	16.78
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	14.15	6.71
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	58.13	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	61.53	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	64.41	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	67.22	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	72.58	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	78.11	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	82.58	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	15.49	6.71
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	49.36	16.78
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	54.05	18.14
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	64.10	20.15
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	81.45	22.16
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	116.13	24.18
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	64.38	16.78
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	70.06	18.14
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	91.13	20.15
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	115.06	22.16
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	182.59	24.18
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	21.24	6.71
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	21.50	6.71
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	24.39	6.71
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	29.37	6.71
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	40.28	6.71
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	18.76	6.71
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	21.47	6.71
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	25.07	6.71
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	29.65	6.71
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	41.06	6.71
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	37.46	16.78
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	37.88	16.78
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	40.05	16.78
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	44.92	16.78
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	45.34	16.78
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	51.95	16.78
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	35.48	16.78
		For Stud Bracket, Add	*2.35*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	35.93	16.78
		For Stud Bracket, Add	*1.01*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	36.92	16.78
		For Stud Bracket, Add	*1.38*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	22.88	10.07
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	22.43	10.07
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.69	3.36
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.78	3.36
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.36	3.36
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	7.38	3.36
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	8.24	3.36
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	7.38	3.36
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	52.28	23.51
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	57.66	24.85
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	65.16	26.86
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	73.62	29.55
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)*		
		Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)*		
		See CSI section 26 27 26 00-0271 for box covers.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	122.46	40.29
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	130.42	47.00
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	152.84	57.08
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	151.64	53.73
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	195.89	63.80
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	150.92	53.73
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	181.83	63.80
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	155.45	53.73
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	181.90	63.80
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	150.92	53.73
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	176.32	63.80
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	178.53	67.15
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	210.83	80.58
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	187.20	67.15
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	243.89	80.58
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	192.87	67.15
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	230.29	80.58
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	177.79	67.15
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	234.12	80.58
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	228.73	80.58
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	275.88	97.37
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	128.84	40.29
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	148.14	47.00
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	173.29	57.08
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	163.31	53.73
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	187.84	63.80
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	225.54	77.22
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	203.75	63.80
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	262.74	80.58
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	149.26	43.65
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	164.57	50.36
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	190.40	60.44
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	179.18	57.08
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	202.61	67.15
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	168.43	43.65
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	182.60	50.36
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	208.04	57.08
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	233.09	67.15
26 05 33 16-0171		Cast Aluminum Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	109.03	33.58
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	124.13	40.29
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	135.74	50.36
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	101.59	33.58
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	129.37	40.29
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	136.62	47.00
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	163.88	57.08
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	206.09	70.51
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	149.55	47.00
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	157.58	57.08
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	142.20	47.00
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	161.98	57.08
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	137.44	47.00
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	161.98	57.08
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	126.47	47.00
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	173.65	57.08
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	160.89	60.44
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	195.32	73.87
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	172.26	60.44
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	234.73	73.87
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	171.31	60.44
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	210.31	73.87
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	213.69	73.87
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	208.83	73.87
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	254.70	90.66
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	122.22	33.58
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	146.39	40.29
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	166.35	50.36
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	158.43	40.29
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	153.67	47.00
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	184.83	57.08
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	204.12	70.51
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	187.62	57.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	227.90	73.87
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	147.41	36.93
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	168.28	43.65
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	178.02	53.73
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	182.60	50.36
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	182.68	60.44
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	225.98	73.87
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	147.26	36.93
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	170.08	43.65
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	186.72	50.36
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	210.27	60.44
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	186.72	50.36
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	210.27	60.44
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	195.63	53.73
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	218.13	63.80
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	228.63	47.00
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	253.00	57.08
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	234.57	53.73
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	293.22	60.44
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	263.43	67.15
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	259.58	60.44
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	319.15	67.15
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	69.61	28.21
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	79.43	32.91
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	90.06	39.96
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	88.83	37.61
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	104.29	44.66
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	126.50	54.06
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	89.17	37.61
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	103.35	44.66
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	123.31	54.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	112.70	47.00
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	127.80	56.41
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	150.21	68.16
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	70.64	28.21
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	68.84	28.21
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	81.87	32.91
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	91.06	39.96
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	90.85	37.61
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	101.64	44.66
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	121.34	54.06
26 05 33 16-0256		**Shallow, Two Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	74.85	30.55
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	85.69	35.26
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	94.94	42.30
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	91.28	39.96
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	113.38	47.00
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	133.98	56.41
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	93.67	39.96
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	120.00	47.00
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	128.67	56.41
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	114.43	49.36
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	151.83	58.76
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	154.75	70.51
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	536.81	50.36
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	343.22	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	49.70	13.43
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	57.83	6.71
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	606.37	53.73
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	321.87	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	84.52	20.15
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	57.83	6.71
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	167.09	13.43
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	480.88	47.00

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26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	40.67	6.71
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	478.71	47.00
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	55.95	6.71
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	961.90	53.73
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	962.02	53.73
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	916.83	53.73
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	916.83	53.73
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	961.90	53.73
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	961.90	53.73
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	878.68	53.73
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	551.11	50.36
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	590.97	50.36
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	594.92	50.36
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	168.80	26.86
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	387.59	13.43
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	387.59	13.43
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	322.22	13.43
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	46.63	3.36
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	22.91	6.71
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.45	6.71
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	22.81	6.71

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	26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	22.87	6.71
	26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	22.72	6.71
	26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	26.83	6.71
	26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.54	6.71
	26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	27.18	6.71
	26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	22.38	6.71
	26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	22.40	6.71
	26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	22.09	6.71
	26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	22.09	6.71
	26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	53.17	10.07
	26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	20.23	6.71
	26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	20.74	6.71
	26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	166.99	12.08
	26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	26.22	6.71
	26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	27.32	6.71
	26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	28.10	6.71
	26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	43.19	13.43
	26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	49.50	16.78
	26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	54.57	16.78
	26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	41.48	13.43
	26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	27.13	6.71
	26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	27.13	6.71
	26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	28.59	6.71
	26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	29.57	6.71
	26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
	26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,261.72	53.73
	26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,200.90	53.73
	26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,275.49	53.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,189.45	53.73
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,178.60	53.73
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	712.05	50.36
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	797.73	50.36
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	202.24	26.86
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	419.14	13.43
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	419.14	13.43
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	72.64	3.36
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	23.67	6.71
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.81	6.71
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.96	6.71
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	27.76	6.71
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	33.61	6.71
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	33.56	6.71
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	22.96	6.71
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	23.25	6.71
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.96	6.71
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.96	6.71
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	33.08	6.71
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	27.59	6.71
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	31.79	6.71
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	43.19	13.43

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	33.53	6.13
		For Combination Hinged Screw Cover, Add	*1.06*	
		For Concrete Or Masonry Surface, Add	*0.61*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	26.11	9.20
		For Combination Hinged Screw Cover, Add	*0.39*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	30.65	11.48
		For Combination Hinged Screw Cover, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	65.55	21.48
		For Combination Hinged Screw Cover, Add	*1.13*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	110.58	21.48
		For Combination Hinged Screw Cover, Add	*3.38*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	164.30	30.56
		For Combination Hinged Screw Cover, Add	*5.17*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	184.62	33.75
		For Combination Hinged Screw Cover, Add	*5.86*	
26 05 33 23-0011		**4" x 4", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	41.01	7.73
		For Combination Hinged Screw Cover, Add	*1.28*	
		For Concrete Or Masonry Surface, Add	*0.77*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	75.93	7.73
		For Combination Hinged Screw Cover, Add	*3.03*	
		For Concrete Or Masonry Surface, Add	*0.77*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	21.54	6.75
		For Combination Hinged Screw Cover, Add	*0.40*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	33.81	12.89
		For Combination Hinged Screw Cover, Add	*0.40*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	77.07	26.26
		For Combination Hinged Screw Cover, Add	*1.22*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	126.57	26.26
		For Combination Hinged Screw Cover, Add	*3.70*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	180.41	34.12
		For Combination Hinged Screw Cover, Add	*5.61*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	208.25	39.88
		For Combination Hinged Screw Cover, Add	*6.42*	
26 05 33 23-0020		**6" x 6", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	62.14	9.20
		For Combination Hinged Screw Cover, Add	*2.19*	
		For Concrete Or Masonry Surface, Add	*0.92*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	123.38	9.20
		For Combination Hinged Screw Cover, Add	*5.25*	
		For Concrete Or Masonry Surface, Add	*0.92*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	27.67	7.37
		For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	43.63	15.34
		For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	111.29	30.56
		For Combination Hinged Screw Cover, Add	*2.51*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	163.57	30.56
		For Combination Hinged Screw Cover, Add	*5.13*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	260.58	38.17
		For Combination Hinged Screw Cover, Add	*9.22*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	281.39	44.17
		For Combination Hinged Screw Cover, Add	*9.65*	
26 05 33 23-0029		**8" x 8", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	102.01	10.06
		For Combination Hinged Screw Cover, Add	*4.10*	
		For Concrete Or Masonry Surface, Add	*1.00*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	189.22	10.06
		For Combination Hinged Screw Cover, Add	*8.46*	
		For Concrete Or Masonry Surface, Add	*1.00*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	30.52	7.98
		For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	47.70	16.57
		For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	124.34	33.63
		For Combination Hinged Screw Cover, Add	*2.85*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	209.23	33.63
		For Combination Hinged Screw Cover, Add	*7.10*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	314.94	41.48
		For Combination Hinged Screw Cover, Add	*11.60*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	442.38	50.32
		For Combination Hinged Screw Cover, Add	*17.09*	
26 05 33 23-0038		**10" x 10", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	149.12	11.66
		For Combination Hinged Screw Cover, Add	*6.29*	
		For Concrete Or Masonry Surface, Add	*1.17*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	267.15	11.66
		For Combination Hinged Screw Cover, Add	*12.19*	
		For Concrete Or Masonry Surface, Add	*1.17*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	43.42	9.20
		For Combination Hinged Screw Cover, Add	*1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	61.82	18.40
		For Combination Hinged Screw Cover, Add	*1.25*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	168.81	36.56
		For Combination Hinged Screw Cover, Add	*4.78*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	337.24	36.56
		For Combination Hinged Screw Cover, Add	*13.20*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	513.34	46.14
		For Combination Hinged Screw Cover, Add	*21.06*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	737.19	52.15
		For Combination Hinged Screw Cover, Add	*31.64*	

26 05 33 23-0047 12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	174.99	14.11
		For Combination Hinged Screw Cover, Add	*7.34*	
		For Concrete Or Masonry Surface, Add	*1.41*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	293.59	14.11
		For Combination Hinged Screw Cover, Add	*13.27*	
		For Concrete Or Masonry Surface, Add	*1.41*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	57.87	9.81
		For Combination Hinged Screw Cover, Add	*1.91*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	77.50	19.64
		For Combination Hinged Screw Cover, Add	*1.91*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	224.31	39.88
		For Combination Hinged Screw Cover, Add	*7.23*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	447.36	39.88
		For Combination Hinged Screw Cover, Add	*18.38*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	577.78	49.08
		For Combination Hinged Screw Cover, Add	*23.98*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	950.16	55.22
		For Combination Hinged Screw Cover, Add	*41.99*	

26 05 33 23-0056 Surface Metal Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

26 05 33 23-0057 One Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	5.43	1.84
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	5.32	2.46
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	5.37	2.46
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	5.57	2.46
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	8.47	2.95
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	14.07	3.07
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	10.56	3.68
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	10.32	3.68

26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*

Note: Available in ivory and white.

26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	6.87	2.46
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	5.46	2.46
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	5.63	2.46
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	5.68	2.46
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	12.50	4.91
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	19.66	4.91
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	13.49	4.91
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	13.04	4.91

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	37.28	3.68
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	5.61	2.46
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	5.61	2.46
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	16.26	3.68
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	13.74	3.68
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	15.60	4.91
26 05 33 23-0083	EA	Tee (Wiremold #5715)	17.56	6.13
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	30.51	4.91
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	23.48	4.91
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	12.62	3.07
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	29.07	4.91
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	28.96	4.91
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	13.38	3.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	26.32	4.91
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	25.40	4.91
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	25.61	4.91
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	25.61	4.91
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	28.96	4.91
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	28.61	4.91
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	30.53	4.91
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	34.42	7.98
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	54.44	15.34
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	25.98	7.98
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	41.20	7.98
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	47.24	7.98
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	71.79	7.98
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	37.33	6.75
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	41.68	6.75
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	66.92	6.75
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	27.14	7.98
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	23.84	7.98
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	33.60	7.98
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	65.51	7.98
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	25.50	7.98
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	35.57	7.98
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	63.67	7.98
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	94.58	7.98
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	156.05	7.98
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	158.79	7.98
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	25.18	7.98
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	24.48	7.98
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	32.61	7.98
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	64.29	7.98
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	26.47	7.98
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	34.32	7.98
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	49.51	7.98
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	17.19	3.07
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	16.37	3.07
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	10.87	3.07
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	20.56	3.68
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	10.97	3.07
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	25.78	3.68
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	23.08	3.68
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	12.81	3.68
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	21.43	3.68
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	11.13	3.07
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	9.86	2.46
26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	9.99	3.07
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	6.19	2.46
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	7.32	3.07
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	8.27	3.68
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	32.15	11.66
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	33.24	11.66
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	35.79	11.66
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	35.58	11.66
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	32.30	7.98
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	33.33	7.98
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	65.32	15.34
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	34.33	7.98
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	42.11	7.98
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	41.30	7.98
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	19.98	3.68
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	16.22	5.52
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	6.15	2.46
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	6.85	2.46
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	24.05	4.30
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	35.97	6.13
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	35.40	7.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0157		**Two Piece Surface Metal Raceways** *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158		**1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)** *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	9.41	3.07
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	4.53	2.46
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	12.10	3.07
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	5.82	1.84
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	5.41	1.84
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	13.95	3.07
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	27.75	9.20
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	47.28	12.27
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	7.39	3.07
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	23.88	7.98
26 05 33 23-0169	EA	Tee (Wiremold #2015)	43.63	11.54
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	15.35	6.13
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	36.09	10.93
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	56.66	12.15
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	39.11	12.15
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	32.06	6.13
26 05 33 23-0175	EA	#2089E End Reducing Connector	13.25	3.07
26 05 33 23-0176		**1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	8.05	3.07
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.82	3.07
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	3.18	0.61
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	4.52	2.46
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	12.00	3.07
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	9.81	3.07
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	5.44	1.84
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	40.30	9.20
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	38.62	9.20
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	10.52	2.46
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	26.59	9.20
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	7.46	3.07
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	7.55	3.07
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	40.14	9.20
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	38.51	9.20
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	62.79	9.20
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	48.23	9.20
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	29.74	9.20
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	47.33	9.20
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	42.44	9.08
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	28.38	9.20
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	50.74	9.08
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	48.28	9.08
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	33.55	9.08
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	28.07	9.08
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	43.81	9.08
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	42.52	9.08
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	27.21	9.08
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	47.58	9.08
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	46.82	9.08
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	32.99	9.08
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	43.26	7.98
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	47.99	7.98
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	48.24	7.98
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	46.24	7.98
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	65.11	7.98
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	57.36	7.98
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	30.41	7.98
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	46.95	7.98
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	14.45	3.07
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	34.33	9.20
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	101.44	9.20
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	29.62	4.91
26 05 33 23-0220		**2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	16.05	5.52
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.82	0.61
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	6.14	2.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	15.85	2.46
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	15.74	3.07
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	11.60	3.07
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	6.64	2.46
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	17.22	4.91
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	17.16	3.68
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	39.89	11.66
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	14.58	4.91
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	44.20	11.66
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	66.48	15.21
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	47.35	15.34
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	91.44	19.02
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	43.18	11.66
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	53.34	11.66
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	38.00	11.66
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	64.57	11.66
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	20.85	3.07
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	22.82	3.07
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	20.80	3.07
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	23.00	3.68
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	60.56	15.96
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	72.74	11.66
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	20.95	3.68
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	22.57	3.07
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	89.13	7.37
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	217.79	7.37
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	77.59	7.37
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	83.98	7.37
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	83.98	7.37
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	26.68	3.68

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	19.52	5.52
		For Concrete Or Masonry Surface, Add	*0.59*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	6.88	0.61
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.35	0.61
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	7.48	3.07
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	19.46	3.68
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	9.18	3.68
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	9.34	3.68
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	38.86	7.98
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	20.67	4.91
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	79.38	18.89
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	73.80	15.34
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	87.17	15.34
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	80.36	19.02
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	107.11	19.02
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	118.85	19.02
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	123.57	19.02
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	147.56	19.02
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	148.02	19.02
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	65.30	19.02
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	116.77	19.02
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	72.38	19.02
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	61.56	19.02
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	97.46	19.02
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	113.10	19.02
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	95.71	7.98
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	101.49	7.98
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	101.49	7.98
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	135.70	7.98
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	28.45	7.98
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	87.12	3.68
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	103.88	7.98
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	28.23	7.98
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	32.95	7.98
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	32.03	6.13
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	149.84	19.02
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	135.01	19.02
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	135.01	19.02
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	108.48	36.20
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	66.77	19.02

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	28.20	6.75
		For Concrete Or Masonry Surface, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	8.10	1.84
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	8.51	1.84
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	8.55	3.07
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	23.65	6.13
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	10.93	3.07
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	30.28	7.98
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	28.75	7.98
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	30.14	7.98
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	32.96	7.98
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	47.92	11.66
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	51.86	18.40
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	96.83	18.40
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	98.44	17.67
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	140.28	19.02
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	100.37	20.86
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	174.37	20.86
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	168.22	18.40
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	181.95	18.40
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	111.28	42.71

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	12.77	3.07
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	6.49	0.61
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	6.15	2.46
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	13.39	3.07
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	6.67	1.84
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	8.52	1.84
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	12.14	3.07
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	33.86	9.20
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	10.94	3.07
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	39.61	7.98
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	53.59	11.54
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	35.99	6.13
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	35.91	6.13
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	58.44	12.15
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	137.66	10.93
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	60.40	10.93
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	126.49	12.15
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	62.61	10.93
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	111.63	12.15
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	46.91	12.15

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)

(26 05 33 23-0315)

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	14.16	3.07
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	6.55	0.61
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	8.37	2.46
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	15.50	3.07
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	10.95	1.84
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	9.61	2.46
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	12.00	3.07
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	25.52	9.20
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	47.14	9.20
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	51.49	9.08
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	60.61	9.08
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	46.98	9.08
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	50.65	9.08
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	41.99	9.20

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	26.02	5.52
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	8.02	0.61
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	6.58	5.52
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	12.62	2.46
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	22.20	2.46
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	19.01	3.07
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	12.64	2.46
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	26.36	4.91
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	41.54	11.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	133.49	15.21
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	152.57	19.02
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	173.43	19.02
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	125.99	11.66
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	126.13	11.66
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	27.58	3.68
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	27.39	3.68
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	27.09	3.68
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	27.32	3.07
26 05 33 23-0371		**5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)** *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	31.27	5.52
		For Concrete Or Masonry Surface, Add	*0.59*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	13.14	0.61
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	7.66	0.61
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	10.38	3.07
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	8.64	3.07
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	8.58	3.07
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	19.88	3.68
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	17.87	3.68
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	22.05	3.68
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	23.46	4.91
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	25.26	4.91
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	25.66	4.91
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	24.84	4.91
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	131.95	15.34
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	102.32	19.02
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	154.18	19.02
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	169.52	19.02
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	136.32	19.02
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	55.52	19.02
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	140.23	19.02
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	137.54	19.02
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	29.57	3.68
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	35.19	3.68
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	41.91	3.68
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	39.26	3.68
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	36.19	3.68
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	33.34	7.98
26 05 33 23-0399		**3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)** *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	27.70	5.52
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	13.06	3.68
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	23.24	4.91
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	25.05	4.91
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	130.54	15.34
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	133.98	19.02
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	130.54	19.02
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	154.39	19.02
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	132.31	19.02
26 05 33 23-0409		**6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)** *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	46.94	5.52
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	19.83	3.68
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	25.91	4.91
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	29.09	4.91
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	176.14	15.34
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	241.96	19.02
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	160.64	19.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	190.61	19.02
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	169.08	19.02
26 05 33 23-0419		**Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)** *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	10.15	0.61
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	8.82	3.07
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	21.71	3.68
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	18.18	3.68
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	49.31	15.34
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	58.51	19.02
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	55.64	15.34
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	24.41	3.68
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	26.14	3.68
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	27.28	3.68
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	26.11	3.68
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	26.37	3.68
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	27.31	3.68
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	28.05	3.68
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	36.44	3.68
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	34.15	3.68
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	39.62	3.68
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	24.91	3.68
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	38.22	3.68
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	34.83	3.68
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	27.98	3.68
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	35.16	3.68
26 05 33 23-0442		**Surface Non-Metallic Raceways** *(26 05 33 23-0001)* Note: Exposed on flat wall surface.		
26 05 33 23-0443		**One Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)* Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		**7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)** *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.91	2.46
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	5.33	2.46
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	5.60	2.46
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	10.80	4.91
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	12.46	4.91
26 05 33 23-0450	EA	Tee (Wiremold #415)	15.68	6.13
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	12.25	4.91
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	12.25	4.91
26 05 33 23-0453		**1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)** *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.95	2.46
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	5.41	2.46
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	5.53	2.46
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	16.55	4.91
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	10.90	4.91
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	12.54	4.91
26 05 33 23-0460	EA	Tee (Wiremold #815)	15.75	6.13
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	12.30	4.91
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	12.30	4.91
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	13.84	4.91
26 05 33 23-0464		**2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)** *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	9.13	2.46
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	9.71	2.46
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	5.67	2.46
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	5.96	2.46
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	17.96	4.91
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	11.47	4.91
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	20.18	4.91
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	12.77	4.91
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	13.71	4.91
26 05 33 23-0474	EA	Tee (Wiremold #2315)	15.89	6.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	12.77	4.91
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	13.73	4.91
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	12.80	4.91
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	13.89	4.91
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	13.91	4.91
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	14.51	4.91
26 05 33 23-0481		One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	15.44	4.30
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	25.22	4.91
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	25.36	4.91
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	22.90	4.91
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	26.51	4.91
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	24.94	4.91
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	27.07	4.91
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	23.00	7.98
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	26.18	7.98
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	23.93	7.98
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	28.72	7.98
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	34.27	7.98
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	32.50	7.98
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	29.47	7.98
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	22.53	7.98
26 05 33 23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	6.47	2.46
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.79	1.22
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	4.12	1.22
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	6.55	2.46
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	7.82	3.07
26 05 33 23-0503	EA	Tee (Wiremold #2715)	12.75	5.52
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	9.06	3.68
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	9.04	3.68
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	10.66	4.30
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	8.40	3.07
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	4.17	1.84
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	5.52	1.84
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	7.97	3.07
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	10.51	4.30
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	11.17	4.30
26 05 33 23-0514	EA	Tee (Wiremold #2815)	15.42	6.75
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	11.70	4.91
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	11.73	4.91
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	16.31	6.75
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	12.51	4.91
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	12.39	4.91
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	13.22	5.52
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	11.89	4.91
26 05 33 23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	10.22	3.68
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	5.51	2.46
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	6.89	2.46
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	9.35	3.68
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	11.80	4.91
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	12.85	4.91
26 05 33 23-0529	EA	Tee (Wiremold #2915)	16.71	7.37
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	17.78	7.37
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	13.04	5.52
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	14.13	5.52
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	13.03	5.52
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	14.43	5.52
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	13.21	5.52
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	14.68	6.13
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	14.32	6.13
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)*		

Note: Exposed on flat wall surface. (Wiremold or approved equal).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	15.72	5.52
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	15.01	5.52
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	27.13	5.52
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	22.34	5.52
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	2.08	0.61
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	8.16	0.61
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	5.11	0.61
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	14.73	6.13
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	8.17	3.07
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	10.83	3.68
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	15.75	6.13
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	14.82	6.13
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	16.72	6.13
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	30.57	12.27
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	31.54	12.27
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	26.88	11.66
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	51.23	19.02
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	36.07	15.34
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	32.18	12.27
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	22.23	9.20
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	36.01	15.34
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	32.44	12.27
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	14.56	6.13
26 05 33 23-0563		**5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	17.72	5.52
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	6.11	0.61
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.93	0.61
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	6.84	3.07
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	11.51	3.68
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	9.72	3.68
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	8.70	3.68
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	65.53	19.02
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	32.14	11.66
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	62.92	19.02
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	57.34	15.34
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	66.16	19.02
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	69.25	19.02
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	54.82	19.02
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	55.59	19.02
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	56.31	19.02
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	26.46	6.13
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	34.90	6.13
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	20.22	6.13
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	57.75	19.02
26 05 33 23-0584		**6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)** *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	21.14	5.52
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	7.41	0.61
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	7.80	3.07
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	12.43	3.68
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	9.01	3.68
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	11.64	3.68
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	11.68	3.68
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	11.74	3.68
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	11.74	3.68
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	11.63	3.68
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	11.66	3.68
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	11.57	3.68
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	11.60	3.68
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	11.68	3.68
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	11.45	3.68
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	29.89	6.13
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	39.80	6.13
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	33.85	11.66
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	68.61	19.02
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	62.27	15.34
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	50.56	15.34
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	71.94	19.02
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	58.39	19.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	59.74	19.02
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	62.60	19.02
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	57.02	19.02
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	75.54	19.02
26 05 33 23-0612		Surface Cable Protection System *(26 05 33 23)*		
26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) Note: Modular interlocking design with hinged lid.	645.98	
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) Note: Modular interlocking design with hinged lid.	487.31	

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001		Cable Trays *(26 05 36)* Note: Excludes supporting hangers.		
26 05 36 00-0002		Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-0003		4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*		
26 05 36 00-0004		4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.32	12.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.46*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.97	13.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.75*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.53	14.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.11*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	59.60	15.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.64*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	65.43	16.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.18*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	79.75	18.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.40*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	89.49	21.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.15*	
26 05 36 00-0012		6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.74	12.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.22*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.25	13.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.50*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.35	14.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.72*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	54.11	15.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.13*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	58.35	15.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.51*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	68.59	18.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.33*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	74.95	20.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.81*	
26 05 36 00-0020		9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.17	12.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.08*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.40	12.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.16*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.72	13.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.53*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.18	14.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.92*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	55.48	14.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.31*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	60.47	16.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.71*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	64.97	17.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.04*	
26 05 36 00-0028		12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.94	11.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.78	12.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.06*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.18	12.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.25*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.74	13.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.45*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.67	13.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.64*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.67	14.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.05*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	55.49	15.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.27*	

26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.41	11.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.96*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.09	11.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.01*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.49	12.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.20*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.62	13.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.36*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.36	13.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.43*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.20	14.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.63*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.28	15.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.78*	

26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.16	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.09*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.65	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.68*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	433.82	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.25*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.64	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.94*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.47	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.96*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	737.80	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.40*	
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	850.83	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.50*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.10	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.24*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.17	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.80*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	582.44	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.32*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.06	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.18*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.85	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.39*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	845.57	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.16*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	990.22	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0061		36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.22	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.62*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	592.93	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.17*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.01	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.29*	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	769.66	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.08*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	875.60	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.21*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,027.55	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.89*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,166.42	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.09*	
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.78	97.65
		For 60 Degree Bend, Deduct	*-49.30*	
		For 30 Degree Bend, Deduct	*-87.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.14*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.30	117.11
		For 60 Degree Bend, Deduct	*-53.90*	
		For 30 Degree Bend, Deduct	*-96.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.18*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.13	134.31
		For 60 Degree Bend, Deduct	*-58.12*	
		For 30 Degree Bend, Deduct	*-104.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.02*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.29	169.76
		For 60 Degree Bend, Deduct	*-66.04*	
		For 30 Degree Bend, Deduct	*-119.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.59*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.61	207.91
		For 60 Degree Bend, Deduct	*-83.19*	
		For 30 Degree Bend, Deduct	*-150.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.04*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	585.78	238.67
		For 60 Degree Bend, Deduct	*-101.81*	
		For 30 Degree Bend, Deduct	*-182.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.69*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.12	280.16
		For 60 Degree Bend, Deduct	*-111.42*	
		For 30 Degree Bend, Deduct	*-201.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.96*	
26 05 36 00-0077		24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.47	100.73
		For 60 Degree Bend, Deduct	*-58.58*	
		For 30 Degree Bend, Deduct	*-103.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.06*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.23	121.41
		For 60 Degree Bend, Deduct	*-64.74*	
		For 30 Degree Bend, Deduct	*-114.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.60*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.85	140.22
		For 60 Degree Bend, Deduct	*-73.26*	
		For 30 Degree Bend, Deduct	*-129.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.73	179.03
		For 60 Degree Bend, Deduct	*-81.09*	
		For 30 Degree Bend, Deduct	*-145.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.45*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.56	222.41
		For 60 Degree Bend, Deduct	*-99.09*	
		For 30 Degree Bend, Deduct	*-177.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.33*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	654.66	258.01
		For 60 Degree Bend, Deduct	*-117.16*	
		For 30 Degree Bend, Deduct	*-209.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.97*	
26 05 36 00-0084	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	769.26	307.16
		For 60 Degree Bend, Deduct	*-136.13*	
		For 30 Degree Bend, Deduct	*-243.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.33*	

26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.00	103.96
		For 60 Degree Bend, Deduct	*-77.32*	
		For 30 Degree Bend, Deduct	*-134.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.84*	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.43	126.25
		For 60 Degree Bend, Deduct	*-84.41*	
		For 30 Degree Bend, Deduct	*-147.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.72*	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.33	146.53
		For 60 Degree Bend, Deduct	*-89.14*	
		For 30 Degree Bend, Deduct	*-156.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.82*	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.64	189.64
		For 60 Degree Bend, Deduct	*-101.73*	
		For 30 Degree Bend, Deduct	*-180.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.06*	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	622.56	238.67
		For 60 Degree Bend, Deduct	*-113.95*	
		For 30 Degree Bend, Deduct	*-203.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.37*	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.10	280.16
		For 60 Degree Bend, Deduct	*-142.44*	
		For 30 Degree Bend, Deduct	*-252.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.36*	
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	888.07	339.13
		For 60 Degree Bend, Deduct	*-163.05*	
		For 30 Degree Bend, Deduct	*-290.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.54*	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.55	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.06*	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	418.07	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.02*	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.45	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.91*	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.63	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.84*	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.24	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.13*	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.70	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.09*	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	715.37	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.98*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0101		24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.87	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.11*	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.46	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.42*	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.42	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.82*	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	622.33	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.70*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.42	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.95*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.14	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.31*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	879.02	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.64*	
26 05 36 00-0109		36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	546.83	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.48*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.38	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.51*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.56	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.55*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.76	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.19*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.58	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.01*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	931.24	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.26*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,050.70	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.51*	
26 05 36 00-0117		12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	684.13	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.92*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.18	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.67*	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.40	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.24*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	867.32	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.87*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	983.40	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.52*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,095.23	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.91*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,239.52	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.16*	
26 05 36 00-0125		24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	865.39	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.21	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.33*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	969.76	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.12*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,063.08	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.49*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,179.96	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.42*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,269.88	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.19*	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,536.53	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.30*	
26 05 36 00-0133		**36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,107.54	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.16*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,183.73	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.11*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,256.59	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.84*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,381.05	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.53*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,567.17	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.39*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,699.68	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.62*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,913.25	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.52*	
26 05 36 00-0141		**12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	830.36	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.15*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	849.85	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.31*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	870.05	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.51*	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	914.71	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.12*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.35	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.93*	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,022.88	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.43*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,101.02	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.28*	
26 05 36 00-0149		**24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,211.53	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.66*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,240.69	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.68*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,271.37	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.79*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,338.98	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,387.13	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.85*	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,469.06	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.09*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,582.15	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.64*	
26 05 36 00-0157		**36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,927.77	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.43*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,967.79	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.38*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,010.56	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.46*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,082.97	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.03*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,133.06	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.49*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,265.11	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.93*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,379.14	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-199.58*	
26 05 36 00-0165		**12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.14	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.35*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	895.37	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.27*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	956.84	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.86*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,026.93	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.08*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,156.05	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.81*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,293.99	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.07*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,415.12	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.16*	
26 05 36 00-0173		**24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,207.26	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.91*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,262.17	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.60*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,320.34	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.46*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,406.47	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.85*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,563.09	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.96*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,680.79	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.31*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,886.69	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0181		**36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,525.23	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.95*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,607.57	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.96*	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,696.18	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.29*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,851.45	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.79*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,114.34	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.63*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,305.87	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.95*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,522.88	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.54*	
26 05 36 00-0189		**12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	993.86	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.53*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,044.10	339.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.14*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,118.94	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.08*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,204.73	379.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.85*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,354.11	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.62*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,531.67	460.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.82*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,678.76	495.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.58*	
26 05 36 00-0197		**24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,482.16	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.40*	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,545.60	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.94*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,612.31	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.65*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,717.22	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.93*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,894.33	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.08*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,034.22	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.65*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,296.47	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.84*	
26 05 36 00-0205		**36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,909.40	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,008.81	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.09*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,114.49	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.12*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,312.45	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.89*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,626.56	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-213.85*	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,860.78	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-232.44*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	3,120.48	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-252.30*	

26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.77	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.25*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.80	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.69*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.22	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.09*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.62	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.14*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	586.95	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.80*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.36	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.25*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	802.38	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.65*	

26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	461.15	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.44*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	503.06	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.89*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	541.88	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.27*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.28	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.80*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	711.86	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.69*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	794.50	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.05*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.52	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.69*	

26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.19	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.42*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	548.57	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.60	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.65*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	716.54	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.76*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	817.23	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.37*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	957.50	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.89*	
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,089.95	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.44*	
26 05 36 00-0238		**12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.48	97.65
		For 60 Degree Bend, Deduct	*-44.58*	
		For 30 Degree Bend, Deduct	*-79.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.71*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.41	117.11
		For 60 Degree Bend, Deduct	*-48.98*	
		For 30 Degree Bend, Deduct	*-88.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.69*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.66	134.31
		For 60 Degree Bend, Deduct	*-53.01*	
		For 30 Degree Bend, Deduct	*-95.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.47*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.95	169.76
		For 60 Degree Bend, Deduct	*-60.65*	
		For 30 Degree Bend, Deduct	*-110.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.95*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.60	207.91
		For 60 Degree Bend, Deduct	*-76.26*	
		For 30 Degree Bend, Deduct	*-138.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.93*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.93	238.67
		For 60 Degree Bend, Deduct	*-92.95*	
		For 30 Degree Bend, Deduct	*-168.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.00*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	635.10	280.16
		For 60 Degree Bend, Deduct	*-102.18*	
		For 30 Degree Bend, Deduct	*-185.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.16*	
26 05 36 00-0246		**24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.37	100.73
		For 60 Degree Bend, Deduct	*-52.61*	
		For 30 Degree Bend, Deduct	*-93.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.25*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.97	121.41
		For 60 Degree Bend, Deduct	*-58.38*	
		For 30 Degree Bend, Deduct	*-104.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.68*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.25	140.22
		For 60 Degree Bend, Deduct	*-66.13*	
		For 30 Degree Bend, Deduct	*-118.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.64*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.55	179.03
		For 60 Degree Bend, Deduct	*-73.77*	
		For 30 Degree Bend, Deduct	*-132.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.23*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.71	222.41
		For 60 Degree Bend, Deduct	*-90.23*	
		For 30 Degree Bend, Deduct	*-162.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	622.55	258.01
		For 60 Degree Bend, Deduct	*-106.56*	
		For 30 Degree Bend, Deduct	*-191.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.76*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	732.49	307.16
		For 60 Degree Bend, Deduct	*-124.00*	
		For 30 Degree Bend, Deduct	*-223.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.66*	

26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.03	103.96
		For 60 Degree Bend, Deduct	*-68.75*	
		For 30 Degree Bend, Deduct	*-120.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.24*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.99	126.25
		For 60 Degree Bend, Deduct	*-75.36*	
		For 30 Degree Bend, Deduct	*-132.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.98*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.31	146.53
		For 60 Degree Bend, Deduct	*-79.90*	
		For 30 Degree Bend, Deduct	*-141.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.02*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.28	189.64
		For 60 Degree Bend, Deduct	*-91.72*	
		For 30 Degree Bend, Deduct	*-163.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.02*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.45	238.67
		For 60 Degree Bend, Deduct	*-103.35*	
		For 30 Degree Bend, Deduct	*-185.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.15*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	715.66	280.16
		For 60 Degree Bend, Deduct	*-128.76*	
		For 30 Degree Bend, Deduct	*-230.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.22*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	841.96	339.13
		For 60 Degree Bend, Deduct	*-147.83*	
		For 30 Degree Bend, Deduct	*-265.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.93*	

26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.85	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.79*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.08	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.72*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.03	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.57*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.62	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.44*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.64	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.67*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.94	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.51*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.02	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.35*	

26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.92	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.32*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	480.08	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.31	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.91*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	602.19	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.69*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	673.26	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.83*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	744.81	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.08*	
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	853.92	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.13*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.60	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.06*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.28	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.00*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	608.17	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.01*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	713.33	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.44*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.85	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.24*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	899.72	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.11*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,017.13	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.16*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	664.58	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.96*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	719.16	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.57*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	754.22	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.02*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	841.93	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.33*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	953.63	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.54*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,059.62	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.35*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,199.25	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.13*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	834.74	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.12*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	897.10	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.12*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	936.49	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.79*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,027.18	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.90*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,140.85	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,227.27	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.93*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,481.95	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.84*	

26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,061.71	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.58*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,136.16	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.35*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,205.80	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.76*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,326.47	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.07*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,505.59	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.23*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,632.56	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.91*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,841.16	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.31*	

26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	797.09	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.82*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.28	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.95*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	836.20	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.12*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	880.27	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.68*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	908.32	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.43*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	985.52	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.69*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,062.21	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.40*	

26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,151.41	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.65*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,179.69	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.58*	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,209.49	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.60*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,275.36	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.94*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,321.75	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.31*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,401.94	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.37*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,512.10	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0326		**36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,815.40	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.19*	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,853.97	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.00*	
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,895.28	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.94*	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,966.22	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.36*	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,014.85	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.67*	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,142.53	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.68*	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,255.10	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.18*	
26 05 36 00-0334		**12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	827.92	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.93*	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	869.98	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.73*	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.12	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.09*	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	996.58	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.04*	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,122.20	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.42*	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,253.42	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.01*	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,369.88	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.64*	
26 05 36 00-0342		**24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.27	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.21*	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,213.72	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.76*	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,270.44	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.47*	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,353.35	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.54*	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,506.47	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.30*	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,620.37	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.27*	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,816.64	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.86*	
26 05 36 00-0350		**36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,459.56	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,538.98	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.10*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,624.67	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.14*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,772.65	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.91*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,026.78	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.87*	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,211.01	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.46*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,420.73	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.33*	
26 05 36 00-0358		**12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	958.73	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.01*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,007.28	339.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.46*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,078.73	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.06*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.72	379.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.44*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,305.02	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.71*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,472.84	460.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.94*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,613.16	495.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.02*	
26 05 36 00-0366		**24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,414.02	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.58*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,475.35	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.92*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,539.94	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.42*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,640.20	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.22*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,812.23	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.87*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,946.62	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.89*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,194.90	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.69*	
26 05 36 00-0374		**36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,814.18	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.84*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,909.35	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.14*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,010.81	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.75*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,198.19	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,499.60	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-201.16*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,723.23	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-218.69*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,972.35	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-237.49*	

26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.39	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.42*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.95	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.71*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.62	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.93*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.61	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.34*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.43	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.65*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	654.91	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.11*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	753.93	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.81*	

26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.21	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.65*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.95	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.98*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.31	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.21*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.50	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.42*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	664.87	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.99*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	743.42	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.94*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	868.81	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.62*	

26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.16	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.22*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.21	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.30*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	548.19	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.01*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.42	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.45*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.85	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.54*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0405		EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	887.46	322.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.89*	
26 05 36 00-0406		EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,013.48	378.75
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.79*	

26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0408		EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.18	97.65
			For 60 Degree Bend, Deduct	*-39.87*	
			For 30 Degree Bend, Deduct	*-71.86*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.28*	
26 05 36 00-0409		EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.53	117.11
			For 60 Degree Bend, Deduct	*-44.07*	
			For 30 Degree Bend, Deduct	*-79.96*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.20*	
26 05 36 00-0410		EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.19	134.31
			For 60 Degree Bend, Deduct	*-47.91*	
			For 30 Degree Bend, Deduct	*-87.31*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.93*	
26 05 36 00-0411		EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.60	169.76
			For 60 Degree Bend, Deduct	*-55.26*	
			For 30 Degree Bend, Deduct	*-101.52*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.32*	
26 05 36 00-0412		EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	451.58	207.91
			For 60 Degree Bend, Deduct	*-69.32*	
			For 30 Degree Bend, Deduct	*-127.09*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.83*	
26 05 36 00-0413		EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	532.08	238.67
			For 60 Degree Bend, Deduct	*-84.09*	
			For 30 Degree Bend, Deduct	*-153.41*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.32*	
26 05 36 00-0414		EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.09	280.16
			For 60 Degree Bend, Deduct	*-92.93*	
			For 30 Degree Bend, Deduct	*-170.45*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.36*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416		EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	258.28	100.73
			For 60 Degree Bend, Deduct	*-46.64*	
			For 30 Degree Bend, Deduct	*-83.32*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.44*	
26 05 36 00-0417		EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.71	121.41
			For 60 Degree Bend, Deduct	*-52.02*	
			For 30 Degree Bend, Deduct	*-93.45*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.75*	
26 05 36 00-0418		EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	341.65	140.22
			For 60 Degree Bend, Deduct	*-59.00*	
			For 30 Degree Bend, Deduct	*-106.13*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.48*	
26 05 36 00-0419		EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.37	179.03
			For 60 Degree Bend, Deduct	*-66.45*	
			For 30 Degree Bend, Deduct	*-120.69*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.01*	
26 05 36 00-0420		EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.86	222.41
			For 60 Degree Bend, Deduct	*-81.37*	
			For 30 Degree Bend, Deduct	*-147.96*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.96*	
26 05 36 00-0421		EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.45	258.01
			For 60 Degree Bend, Deduct	*-95.97*	
			For 30 Degree Bend, Deduct	*-174.28*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.55*	
26 05 36 00-0422		EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	695.71	307.16
			For 60 Degree Bend, Deduct	*-111.86*	
			For 30 Degree Bend, Deduct	*-203.50*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0423		**36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.05	103.96
		For 60 Degree Bend, Deduct	*-60.18*	
		For 30 Degree Bend, Deduct	*-106.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.65*	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.56	126.25
		For 60 Degree Bend, Deduct	*-66.31*	
		For 30 Degree Bend, Deduct	*-117.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.24*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.30	146.53
		For 60 Degree Bend, Deduct	*-70.65*	
		For 30 Degree Bend, Deduct	*-125.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.22*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.93	189.64
		For 60 Degree Bend, Deduct	*-81.70*	
		For 30 Degree Bend, Deduct	*-146.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.99*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.35	238.67
		For 60 Degree Bend, Deduct	*-92.76*	
		For 30 Degree Bend, Deduct	*-167.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.94*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.21	280.16
		For 60 Degree Bend, Deduct	*-115.08*	
		For 30 Degree Bend, Deduct	*-207.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.07*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.84	339.13
		For 60 Degree Bend, Deduct	*-132.62*	
		For 30 Degree Bend, Deduct	*-239.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.32*	
26 05 36 00-0431		**12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.81	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.89*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	385.60	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.77*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.89	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.56*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.61	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.34*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.75	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.48*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.30	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.15*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.50	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.90*	
26 05 36 00-0439		**24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.00	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.63*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.49	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.82*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	489.63	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.04*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.99	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.67*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.52	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.66*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0445		EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	711.32	292.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.73*	
26 05 36 00-0446		EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.27	339.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.36*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0448		EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.27	146.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.43*	
26 05 36 00-0449		EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	533.63	169.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.23*	
26 05 36 00-0450		EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.08	189.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.20*	
26 05 36 00-0451		EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	672.17	238.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.33*	
26 05 36 00-0452		EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	744.26	280.16
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.08*	
26 05 36 00-0453		EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.43	322.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.38*	
26 05 36 00-0454		EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	966.78	378.75
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.12*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456		EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.47	258.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.05*	
26 05 36 00-0457		EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.13	280.16
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.36*	
26 05 36 00-0458		EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.86	292.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.58*	
26 05 36 00-0459		EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	791.14	322.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.25*	
26 05 36 00-0460		EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	894.09	357.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.59*	
26 05 36 00-0461		EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	988.40	379.42
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.22*	
26 05 36 00-0462		EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,118.69	429.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.07*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464		EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	773.45	280.16
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.00*	
26 05 36 00-0465		EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	832.89	307.16
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.70*	
26 05 36 00-0466		EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	869.95	322.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.13*	
26 05 36 00-0467		EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	955.38	357.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.72*	
26 05 36 00-0468		EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,062.63	402.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.69*	
26 05 36 00-0469		EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,142.04	429.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.41*	
26 05 36 00-0470		EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,372.80	496.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0471		**36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	970.07	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.42*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,041.01	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.84*	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,104.23	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.60*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,217.32	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.16*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,382.42	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.91*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,498.30	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.48*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,696.98	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.89*	
26 05 36 00-0479		**12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.55	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.16*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	749.15	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.24*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	768.48	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.35*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	811.39	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.79*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	838.28	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.43*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	910.81	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.22*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	984.57	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.64*	
26 05 36 00-0487		**24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,031.16	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.62*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,057.69	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.38*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,085.74	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.22*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,148.10	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.22*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,191.00	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.24*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,267.68	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.95*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,372.00	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.62*	
26 05 36 00-0495		**36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,590.67	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,626.31	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.23*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,664.70	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.88*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,732.73	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.01*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,778.44	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.02*	
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,897.36	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.16*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,007.01	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.37*	
26 05 36 00-0503		**12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.47	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.09*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	819.19	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.66*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	873.66	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.55*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	935.87	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.97*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,054.48	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.65*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,172.28	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.90*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,279.40	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.59*	
26 05 36 00-0511		**24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,066.29	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.81*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,116.83	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.07*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,170.62	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.49*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,247.11	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.92*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,393.23	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.97*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,499.54	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.19*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,676.54	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.85*	
26 05 36 00-0519		**36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,328.23	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.25*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,401.80	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.38*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,481.66	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.84*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,615.04	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,851.66	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.36*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,021.30	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.49*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,216.43	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.90*	
26 05 36 00-0527		**12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	888.48	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.99*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	933.65	339.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.09*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	998.32	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.02*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,072.69	379.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.64*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,206.84	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.89*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,355.19	460.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.17*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,481.97	495.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.90*	
26 05 36 00-0535		**24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,277.75	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.96*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,334.85	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.87*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,395.21	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.94*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,486.15	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.82*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,648.02	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.45*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,771.41	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.37*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,991.76	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.37*	
26 05 36 00-0543		**36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,623.74	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.80*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,710.45	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.25*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,803.44	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.01*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,969.66	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.62*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,245.68	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.76*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,448.15	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-191.18*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,676.11	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-207.87*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.95	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.77*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.01	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.02*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.06	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.17*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.80	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.35*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.39	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.55*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	640.41	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.66*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	736.97	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.11*	
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.93	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.32*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.26	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.61*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.11	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.79*	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.18	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.89*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.42	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.35*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	725.54	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.15*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	847.56	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.49*	
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.45	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.74*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.68	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.75*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.95	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.39*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.82	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.59*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	738.42	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.49*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	862.94	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.43*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	986.72	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.12*	
26 05 36 00-0576		12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.17	97.65
		For 60 Degree Bend, Deduct	*-38.21*	
		For 30 Degree Bend, Deduct	*-69.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.78*	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.32	117.11
		For 60 Degree Bend, Deduct	*-42.35*	
		For 30 Degree Bend, Deduct	*-77.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.68*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.78	134.31
		For 60 Degree Bend, Deduct	*-46.12*	
		For 30 Degree Bend, Deduct	*-84.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.39*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.88	169.76
		For 60 Degree Bend, Deduct	*-53.37*	
		For 30 Degree Bend, Deduct	*-98.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.74*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.23	207.91
		For 60 Degree Bend, Deduct	*-66.90*	
		For 30 Degree Bend, Deduct	*-123.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.10*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.68	238.67
		For 60 Degree Bend, Deduct	*-80.99*	
		For 30 Degree Bend, Deduct	*-148.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.38*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.28	280.16
		For 60 Degree Bend, Deduct	*-89.69*	
		For 30 Degree Bend, Deduct	*-165.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.38*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.94	100.73
		For 60 Degree Bend, Deduct	*-44.55*	
		For 30 Degree Bend, Deduct	*-79.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.80*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.96	121.41
		For 60 Degree Bend, Deduct	*-49.80*	
		For 30 Degree Bend, Deduct	*-89.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.08*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.09	140.22
		For 60 Degree Bend, Deduct	*-56.51*	
		For 30 Degree Bend, Deduct	*-101.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.73*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	401.60	179.03
		For 60 Degree Bend, Deduct	*-63.88*	
		For 30 Degree Bend, Deduct	*-116.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.24*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	495.46	222.41
		For 60 Degree Bend, Deduct	*-78.26*	
		For 30 Degree Bend, Deduct	*-142.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.02*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.21	258.01
		For 60 Degree Bend, Deduct	*-92.26*	
		For 30 Degree Bend, Deduct	*-168.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.43*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	682.84	307.16
		For 60 Degree Bend, Deduct	*-107.61*	
		For 30 Degree Bend, Deduct	*-196.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.69*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.96	103.96
		For 60 Degree Bend, Deduct	*-57.18*	
		For 30 Degree Bend, Deduct	*-101.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.95	126.25
		For 60 Degree Bend, Deduct	*-63.14*	
		For 30 Degree Bend, Deduct	*-112.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.28*	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.49	146.53
		For 60 Degree Bend, Deduct	*-67.42*	
		For 30 Degree Bend, Deduct	*-120.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.24*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.31	189.64
		For 60 Degree Bend, Deduct	*-78.20*	
		For 30 Degree Bend, Deduct	*-140.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.92*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	547.11	238.67
		For 60 Degree Bend, Deduct	*-89.05*	
		For 30 Degree Bend, Deduct	*-161.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.82*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.71	280.16
		For 60 Degree Bend, Deduct	*-110.30*	
		For 30 Degree Bend, Deduct	*-199.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.62*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.70	339.13
		For 60 Degree Bend, Deduct	*-127.29*	
		For 30 Degree Bend, Deduct	*-230.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.71*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	341.92	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.00*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.51	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.87*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.49	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.62*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.80	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.35*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	533.54	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.46*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.26	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.04*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.06	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.75*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	400.43	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.37*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.62	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.53*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.25	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.70*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.89	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.26*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	626.71	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.18*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	695.69	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.17*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.70	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.61*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.31	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.73*	
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.06	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.47*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.31	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.42*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	652.97	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.41*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.85	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.14*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	830.37	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.18*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.29	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.77*	
26 05 36 00-0624		**12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.91	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.10*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.12	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.26*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	687.68	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.37*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	765.75	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.71*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	864.32	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.61*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	952.80	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.66*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,078.42	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.05*	
26 05 36 00-0632		**24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	742.80	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.93*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	800.79	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.49*	
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	836.67	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.81*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	919.48	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.13*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,023.52	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.78*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,099.43	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.15*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,318.22	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.47*	
26 05 36 00-0640		**36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	924.24	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.83*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	993.44	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,053.45	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.53*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,162.74	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.70*	
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,320.84	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.75*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,431.17	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.77*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,624.88	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.68*	

26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.27	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.84*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	715.59	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.88*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	734.63	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.97*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.95	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.35*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	803.25	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.92*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	873.45	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.48*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	945.75	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.76*	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	971.04	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.61*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	996.69	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.28*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,023.87	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.04*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,084.48	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.86*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,125.62	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.70*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,200.55	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.24*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,301.96	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.62*	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,478.30	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.48*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,512.48	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.85*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,549.42	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.35*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,615.98	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.33*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,660.24	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,774.78	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.90*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,882.97	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.97*	

26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.24	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.66*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	793.80	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.12*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	845.93	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.77*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	905.52	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.94*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,020.63	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.27*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,131.71	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.84*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,234.16	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.07*	

26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,019.30	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.11*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,068.38	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.22*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,120.71	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.49*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,193.99	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.60*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,336.61	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.31*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,439.12	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.14*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,606.50	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.85*	

26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,262.56	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.68*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,333.21	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.53*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,410.15	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.69*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,536.24	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.27*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,764.10	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.61*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,926.44	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.01*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,114.27	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.68*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0697		EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	853.35	322.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.47*	
26 05 36 00-0698		EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	896.83	339.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.41*	
26 05 36 00-0699		EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	958.12	357.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.00*	
26 05 36 00-0700		EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,028.68	379.55
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.24*	
26 05 36 00-0701		EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,157.74	429.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.98*	
26 05 36 00-0702		EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,296.37	460.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.29*	
26 05 36 00-0703		EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,416.37	495.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.34*	
26 05 36 00-0704			24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0705		EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,209.61	357.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.14*	
26 05 36 00-0706		EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,264.60	379.42
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.84*	
26 05 36 00-0707		EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,322.84	402.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.71*	
26 05 36 00-0708		EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,409.13	429.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.12*	
26 05 36 00-0709		EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,565.92	496.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.24*	
26 05 36 00-0710		EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,683.81	537.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.61*	
26 05 36 00-0711		EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,890.19	585.58
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.22*	
26 05 36 00-0712			36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0713		EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,528.52	402.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.28*	
26 05 36 00-0714		EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,611.00	429.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.30*	
26 05 36 00-0715		EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,699.75	460.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.65*	
26 05 36 00-0716		EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,855.39	496.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.19*	
26 05 36 00-0717		EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,118.72	585.58
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.07*	
26 05 36 00-0718		EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,310.61	643.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.42*	
26 05 36 00-0719		EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,527.99	716.93
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-193.05*	
26 05 36 00-0720			Dropout Or End Plates And Reducers *(26 05 36 00-0002)*		
26 05 36 00-0721			Straight Reducers *(26 05 36 00-0720)*		
26 05 36 00-0722		EA	9" To 6" Reducer, Steel Cable Tray	299.50	99.12
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.69*	
26 05 36 00-0723		EA	12" To 9" Reducer, Steel Cable Tray	316.07	107.31
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	343.68	123.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.04*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	378.91	143.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.95*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	411.63	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.73*	
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray	467.44	184.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.40*	
26 05 36 00-0728		**Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray	349.63	123.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.63*	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray	385.08	143.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.55*	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray	423.09	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.89*	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray	428.72	160.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.46*	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray	470.35	184.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.69*	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray	484.26	188.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.68*	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray	500.16	195.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.76*	
26 05 36 00-0736		**Dropout Or End Plate** *(26 05 36 00-0720)*		
26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	82.18	40.29
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	94.35	46.07
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	101.85	49.56
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	120.26	58.56
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	134.88	64.47
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	149.47	71.58
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	168.75	80.58
26 05 36 00-0744		**Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)* Note: 4-5/8" Height		
26 05 36 00-0745		**Straight Tray Sections** *(26 05 36 00-0744)*		
26 05 36 00-0746		**4" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	121.47	9.40
		For Class 12C Instead Of Class 12B, Add	*16.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.07*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	128.45	9.94
		For Class 12C Instead Of Class 12B, Add	*17.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.42*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	135.42	10.34
		For Class 12C Instead Of Class 12B, Add	*18.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.77*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	150.44	11.28
		For Class 12C Instead Of Class 12B, Add	*20.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.52*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	173.76	12.08
		For Class 12C Instead Of Class 12B, Add	*24.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.69*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	190.61	12.90
		For Class 12C Instead Of Class 12B, Add	*26.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.53*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	205.49	13.70
		For Class 12C Instead Of Class 12B, Add	*28.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.27*	
26 05 36 00-0754		**6" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	111.85	9.40
		For Class 12C Instead Of Class 12B, Add	*15.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.59*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	118.27	9.94
		For Class 12C Instead Of Class 12B, Add	*16.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	124.68	10.34
		For Class 12C Instead Of Class 12B, Add	*16.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.23*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	138.48	11.28
		For Class 12C Instead Of Class 12B, Add	*18.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.92*	
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	159.79	12.08
		For Class 12C Instead Of Class 12B, Add	*21.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.99*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	175.23	12.90
		For Class 12C Instead Of Class 12B, Add	*24.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.76*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	188.89	13.70
		For Class 12C Instead Of Class 12B, Add	*26.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.44*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	99.47	9.00
		For Class 12C Instead Of Class 12B, Add	*13.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.97*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	100.60	9.40
		For Class 12C Instead Of Class 12B, Add	*13.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.03*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	107.93	9.94
		For Class 12C Instead Of Class 12B, Add	*14.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.40*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	115.23	10.61
		For Class 12C Instead Of Class 12B, Add	*15.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.76*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	130.87	11.01
		For Class 12C Instead Of Class 12B, Add	*17.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.54*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	145.02	11.82
		For Class 12C Instead Of Class 12B, Add	*19.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.25*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	153.77	12.90
		For Class 12C Instead Of Class 12B, Add	*20.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.69*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	97.54	8.73
		For Class 12C Instead Of Class 12B, Add	*13.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.88*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	98.53	9.00
		For Class 12C Instead Of Class 12B, Add	*13.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.93*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	102.24	9.54
		For Class 12C Instead Of Class 12B, Add	*13.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.11*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	108.32	10.07
		For Class 12C Instead Of Class 12B, Add	*14.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.42*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	118.88	10.21
		For Class 12C Instead Of Class 12B, Add	*16.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.94*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	127.54	11.28
		For Class 12C Instead Of Class 12B, Add	*17.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.38*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	134.74	12.22
		For Class 12C Instead Of Class 12B, Add	*18.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.74*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	96.68	8.46
		For Class 12C Instead Of Class 12B, Add	*13.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.83*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	96.27	8.87
		For Class 12C Instead Of Class 12B, Add	*12.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.81*	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	101.57	9.13
		For Class 12C Instead Of Class 12B, Add	*13.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.08*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	107.05	9.67
		For Class 12C Instead Of Class 12B, Add	*14.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.35*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	114.33	9.80
		For Class 12C Instead Of Class 12B, Add	*15.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.72*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	119.09	10.74
		For Class 12C Instead Of Class 12B, Add	*16.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.95*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	125.49	11.68
		For Class 12C Instead Of Class 12B, Add	*16.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.27*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	378.72	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.94*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	413.90	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.70*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	470.10	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.51*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	557.41	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.87*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	659.49	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.97*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	724.99	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.25*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	847.56	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.38*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	506.89	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.34*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	553.51	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.68*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	597.24	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.86*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	694.76	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.74*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	785.33	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.27*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	876.65	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.83*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,002.69	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.13*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	544.75	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	590.93	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.55*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	659.85	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.99*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	784.47	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.22*	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	904.41	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.22*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,017.61	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.88*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,181.83	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.09*	

26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	264.22	97.65
		For 60 Degree Bend, Deduct	*-49.78*	
		For 30 Degree Bend, Deduct	*-88.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.21*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	300.55	117.11
		For 60 Degree Bend, Deduct	*-54.31*	
		For 30 Degree Bend, Deduct	*-97.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.03*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	333.21	134.31
		For 60 Degree Bend, Deduct	*-58.47*	
		For 30 Degree Bend, Deduct	*-104.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.66*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	411.76	169.76
		For 60 Degree Bend, Deduct	*-70.82*	
		For 30 Degree Bend, Deduct	*-127.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.59*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	506.64	207.91
		For 60 Degree Bend, Deduct	*-87.49*	
		For 30 Degree Bend, Deduct	*-157.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.33*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	581.38	238.67
		For 60 Degree Bend, Deduct	*-100.36*	
		For 30 Degree Bend, Deduct	*-180.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.07*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	658.36	280.16
		For 60 Degree Bend, Deduct	*-109.85*	
		For 30 Degree Bend, Deduct	*-198.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.92*	

26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	304.50	100.73
		For 60 Degree Bend, Deduct	*-61.89*	
		For 30 Degree Bend, Deduct	*-108.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.23*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	354.71	121.41
		For 60 Degree Bend, Deduct	*-70.50*	
		For 30 Degree Bend, Deduct	*-124.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.74*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	389.88	140.22
		For 60 Degree Bend, Deduct	*-74.92*	
		For 30 Degree Bend, Deduct	*-132.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.49*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	466.40	179.03
		For 60 Degree Bend, Deduct	*-85.27*	
		For 30 Degree Bend, Deduct	*-152.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.32*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	565.88	222.41
		For 60 Degree Bend, Deduct	*-101.50*	
		For 30 Degree Bend, Deduct	*-181.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	664.25	258.01
		For 60 Degree Bend, Deduct	*-120.32*	
		For 30 Degree Bend, Deduct	*-214.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.21*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	757.89	307.16
		For 60 Degree Bend, Deduct	*-132.38*	
		For 30 Degree Bend, Deduct	*-237.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.89*	

26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0828	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	356.73	103.96
		For 60 Degree Bend, Deduct	*-77.89*	
		For 30 Degree Bend, Deduct	*-135.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.84*	
26 05 36 00-0829	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	397.85	126.25
		For 60 Degree Bend, Deduct	*-82.90*	
		For 30 Degree Bend, Deduct	*-145.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.89*	
26 05 36 00-0830	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	435.57	146.53
		For 60 Degree Bend, Deduct	*-87.57*	
		For 30 Degree Bend, Deduct	*-154.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.78*	
26 05 36 00-0831	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	527.06	189.64
		For 60 Degree Bend, Deduct	*-101.21*	
		For 30 Degree Bend, Deduct	*-179.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.35*	
26 05 36 00-0832	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	655.59	238.67
		For 60 Degree Bend, Deduct	*-124.85*	
		For 30 Degree Bend, Deduct	*-221.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.78*	
26 05 36 00-0833	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	740.38	280.16
		For 60 Degree Bend, Deduct	*-136.92*	
		For 30 Degree Bend, Deduct	*-243.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.02*	
26 05 36 00-0834	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	866.00	339.13
		For 60 Degree Bend, Deduct	*-155.77*	
		For 30 Degree Bend, Deduct	*-278.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.30*	

26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	415.64	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.78*	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	457.97	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.90*	
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	488.37	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.42*	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	559.22	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.96*	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	621.00	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.05*	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	681.33	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.07*	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	751.67	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.58*	

26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	440.98	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.05*	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	484.82	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.24*	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	519.89	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	604.24	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.21*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	677.51	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.88*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	749.57	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.48*	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	844.24	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.21*	
26 05 36 00-0851		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	564.84	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.24*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	610.42	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.52*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	664.87	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.24*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	760.48	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.02*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	843.60	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.18*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	941.73	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.09*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,053.08	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.65*	
26 05 36 00-0859		**12" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	651.14	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.56*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	702.72	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.14*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	727.40	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.37*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	823.72	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.19*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	911.91	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.60*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	998.62	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.93*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,154.74	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.74*	
26 05 36 00-0867		**24" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	844.16	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.21*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	910.77	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.54*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	947.03	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.35*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,042.46	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.12*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,157.50	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.88*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,249.03	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.45*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,643.00	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0875		**36" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,044.95	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.25*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,112.89	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.64*	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,194.78	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.74*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,302.56	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.13*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,462.90	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.15*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,708.28	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.41*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,955.25	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.76*	
26 05 36 00-0883		**12" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	894.67	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.73*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	924.86	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.24*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	944.90	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.25*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	992.85	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.64*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,057.42	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.87*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,117.48	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.87*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,194.78	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.74*	
26 05 36 00-0891		**24" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,271.29	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.56*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,299.94	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.00*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,330.12	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.51*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,400.36	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.02*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,447.50	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.38*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,528.43	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.42*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,686.98	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.35*	
26 05 36 00-0899		**36" Radius Vertical Tee** *(26 05 36 00-0786)*		
26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,067.59	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.38*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,109.42	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-186.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.47*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,154.01	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*107.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,228.25	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-194.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*111.41*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,280.15	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-198.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*114.01*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,417.63	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-208.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*120.88*	
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,533.47	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-215.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*126.67*	
26 05 36 00-0907		**12" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	845.48	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.27*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	906.17	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.31*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	940.92	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.05*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,049.39	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.47*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,147.49	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.37*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,274.32	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.72*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,461.67	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.08*	
26 05 36 00-0915		**24" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,187.53	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.38*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,241.60	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.08*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,298.93	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.95*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,375.96	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.80*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,545.08	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.25*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,699.76	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.99*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,882.89	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.14*	
26 05 36 00-0923		**36" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,367.84	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.39*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,474.77	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.74*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,570.97	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.55*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,646.62	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.33*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,991.52	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.58*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,196.99	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*109.85*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,446.08	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*122.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0931		**12" Radius Vertical Cross** *(26 05 36 00-0786)*		
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	845.48	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.27*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	906.36	339.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.32*	
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	940.81	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.04*	
26 05 36 00-0935	EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,049.62	379.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.48*	
26 05 36 00-0936	EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,147.49	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.37*	
26 05 36 00-0937	EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,274.67	460.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.73*	
26 05 36 00-0938	EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,460.66	495.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.03*	
26 05 36 00-0939		**24" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0940	EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,187.53	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.38*	
26 05 36 00-0941	EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,241.60	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.08*	
26 05 36 00-0942	EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,298.93	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.95*	
26 05 36 00-0943	EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,375.96	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.80*	
26 05 36 00-0944	EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,545.08	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.25*	
26 05 36 00-0945	EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,664.22	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.21*	
26 05 36 00-0946	EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,842.83	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.14*	
26 05 36 00-0947		**36" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0948	EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,681.18	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.06*	
26 05 36 00-0949	EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,767.64	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.38*	
26 05 36 00-0950	EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,881.41	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.07*	
26 05 36 00-0951	EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,015.45	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*100.77*	
26 05 36 00-0952	EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,448.47	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-196.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*122.42*	
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,702.90	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-216.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*135.15*	
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	3,009.11	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-241.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*150.46*	
26 05 36 00-0955		**6" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-0956		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	356.68	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.83*	
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	391.30	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	443.32	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.17*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	527.28	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.36*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	622.11	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.11*	
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	685.37	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.27*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	799.58	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.98*	
26 05 36 00-0964		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	467.83	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.39*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	512.78	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.64*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	554.55	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.73*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	648.45	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.42*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	734.56	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.73*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	821.13	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.06*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	940.21	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.01*	
26 05 36 00-0972		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	501.79	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.09*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	546.85	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.34*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	610.75	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.54*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	729.24	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.46*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	841.93	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.10*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	948.98	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.45*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,103.16	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.16*	
26 05 36 00-0980		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	249.71	97.65
		For 60 Degree Bend, Deduct	*-44.99*	
		For 30 Degree Bend, Deduct	*-80.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.49*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	285.49	117.11
		For 60 Degree Bend, Deduct	*-49.34*	
		For 30 Degree Bend, Deduct	*-88.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.27*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	317.58	134.31
		For 60 Degree Bend, Deduct	*-53.32*	
		For 30 Degree Bend, Deduct	*-96.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	393.35	169.76
		For 60 Degree Bend, Deduct	*-64.74*	
		For 30 Degree Bend, Deduct	*-117.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.67*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	483.76	207.91
		For 60 Degree Bend, Deduct	*-79.94*	
		For 30 Degree Bend, Deduct	*-144.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.19*	
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	555.16	238.67
		For 60 Degree Bend, Deduct	*-91.70*	
		For 30 Degree Bend, Deduct	*-166.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.76*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	631.02	280.16
		For 60 Degree Bend, Deduct	*-100.83*	
		For 30 Degree Bend, Deduct	*-183.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.55*	
26 05 36 00-0988		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	284.97	100.73
		For 60 Degree Bend, Deduct	*-55.45*	
		For 30 Degree Bend, Deduct	*-98.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.25*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	332.95	121.41
		For 60 Degree Bend, Deduct	*-63.32*	
		For 30 Degree Bend, Deduct	*-112.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.65*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	367.57	140.22
		For 60 Degree Bend, Deduct	*-67.56*	
		For 30 Degree Bend, Deduct	*-120.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.38*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	442.41	179.03
		For 60 Degree Bend, Deduct	*-77.35*	
		For 30 Degree Bend, Deduct	*-138.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.12*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	537.98	222.41
		For 60 Degree Bend, Deduct	*-92.30*	
		For 30 Degree Bend, Deduct	*-166.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.90*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	630.78	258.01
		For 60 Degree Bend, Deduct	*-109.28*	
		For 30 Degree Bend, Deduct	*-196.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.54*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	722.74	307.16
		For 60 Degree Bend, Deduct	*-120.78*	
		For 30 Degree Bend, Deduct	*-218.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.14*	
26 05 36 00-0996		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	330.51	103.96
		For 60 Degree Bend, Deduct	*-69.24*	
		For 30 Degree Bend, Deduct	*-121.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.53*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	371.07	126.25
		For 60 Degree Bend, Deduct	*-74.07*	
		For 30 Degree Bend, Deduct	*-130.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.55*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	408.23	146.53
		For 60 Degree Bend, Deduct	*-78.55*	
		For 30 Degree Bend, Deduct	*-139.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.41*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	496.93	189.64
		For 60 Degree Bend, Deduct	*-91.27*	
		For 30 Degree Bend, Deduct	*-162.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.85*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	618.76	238.67
		For 60 Degree Bend, Deduct	*-112.69*	
		For 30 Degree Bend, Deduct	*-201.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	701.32	280.16
		For 60 Degree Bend, Deduct	*-124.03*	
		For 30 Degree Bend, Deduct	*-222.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.07*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	823.04	339.13
		For 60 Degree Bend, Deduct	*-141.59*	
		For 30 Degree Bend, Deduct	*-254.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.15*	
26 05 36 00-1004		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	400.30	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.02*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	441.79	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.09*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	471.91	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.60*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	542.21	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.11*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	603.14	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.16*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	662.64	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.13*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	732.42	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.62*	
26 05 36 00-1012		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	424.39	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.22*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	467.53	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.38*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	502.18	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.11*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	585.55	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.28*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	657.70	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.89*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	728.65	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.43*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	821.92	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.10*	
26 05 36 00-1020		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	539.17	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.96*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	584.20	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.21*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	636.98	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.85*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	731.47	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.57*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	813.47	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.67*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	909.37	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.47*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,019.33	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1028		**12" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	634.13	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.71*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	684.59	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.23*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	708.98	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.45*	
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.68	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.08*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	887.63	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.38*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	970.44	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.52*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,120.98	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.05*	
26 05 36 00-1036		**24" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	815.14	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.76*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	880.08	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.00*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	915.50	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.78*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,008.15	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.41*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,120.11	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.01*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,208.02	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.40*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,580.23	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.01*	
26 05 36 00-1044		**36" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,003.94	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.20*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,070.76	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.54*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,148.75	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.44*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,254.02	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.70*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,409.34	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.47*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,640.49	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.02*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,879.93	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.00*	
26 05 36 00-1052		**12" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	856.45	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.82*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	885.53	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.28*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	905.28	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	952.40	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.62*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,013.62	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.68*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,072.84	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.64*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,148.75	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.44*	
26 05 36 00-1060		**24" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,206.57	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.33*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,234.39	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.72*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,263.73	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.19*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,332.01	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.60*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,377.48	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.87*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,456.73	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.84*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,608.87	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.44*	
26 05 36 00-1068		**36" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,944.47	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.22*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,984.70	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.24*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,027.68	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.38*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,100.33	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.02*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,150.63	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*107.53*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,283.32	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-194.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*114.17*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,397.56	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-201.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*119.88*	
26 05 36 00-1076		**12" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	821.77	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.09*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	879.95	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.00*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	914.42	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.72*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,017.31	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.87*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,114.29	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.71*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,235.26	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.76*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,412.85	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,142.06	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.10*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,194.73	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.74*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,250.67	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.53*	
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,325.19	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.26*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,489.84	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.49*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,605.08	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.25*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,776.16	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.81*	
26 05 36 00-1092		**36" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,314.28	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.71*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,385.45	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.27*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,476.29	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.81*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,583.58	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.18*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,913.41	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.67*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,110.51	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.53*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,349.84	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*117.49*	
26 05 36 00-1100		**12" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	821.77	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.09*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	880.14	339.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.01*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	914.31	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.72*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,017.54	379.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.88*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,114.29	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.71*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,235.61	460.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.78*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,411.84	495.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.59*	
26 05 36 00-1108		**24" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,142.06	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.10*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,194.73	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.74*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,250.67	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,325.19	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.26*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,489.84	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.49*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,605.08	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.25*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,776.16	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.81*	
26 05 36 00-1116		**36" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,603.51	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.18*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,686.74	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.34*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,795.65	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.78*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,924.03	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.20*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,335.21	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*116.76*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,577.50	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-204.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*128.88*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,869.56	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-227.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*143.48*	
26 05 36 00-1124		**9" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-1125		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	334.64	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.73*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	368.70	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.44*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	416.54	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.83*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	497.15	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.86*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	584.73	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.24*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	645.76	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.29*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	751.59	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.58*	
26 05 36 00-1133		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	428.78	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.44*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	472.05	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.60*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	511.87	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.59*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	602.15	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.11*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	683.78	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.19*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	765.62	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	877.72	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.89*	
26 05 36 00-1141		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	458.83	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.94*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	502.78	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.14*	
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	561.65	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.08*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	674.00	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.70*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	779.44	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.97*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	880.35	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.02*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,024.49	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.22*	
26 05 36 00-1149		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	235.20	97.65
		For 60 Degree Bend, Deduct	*-40.20*	
		For 30 Degree Bend, Deduct	*-72.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.76*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	270.42	117.11
		For 60 Degree Bend, Deduct	*-44.37*	
		For 30 Degree Bend, Deduct	*-80.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.52*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	301.96	134.31
		For 60 Degree Bend, Deduct	*-48.16*	
		For 30 Degree Bend, Deduct	*-87.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.10*	
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	374.94	169.76
		For 60 Degree Bend, Deduct	*-58.67*	
		For 30 Degree Bend, Deduct	*-107.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.75*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	460.89	207.91
		For 60 Degree Bend, Deduct	*-72.40*	
		For 30 Degree Bend, Deduct	*-132.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.04*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	528.94	238.67
		For 60 Degree Bend, Deduct	*-83.05*	
		For 30 Degree Bend, Deduct	*-151.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.45*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	603.69	280.16
		For 60 Degree Bend, Deduct	*-91.81*	
		For 30 Degree Bend, Deduct	*-168.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.18*	
26 05 36 00-1157		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	265.44	100.73
		For 60 Degree Bend, Deduct	*-49.00*	
		For 30 Degree Bend, Deduct	*-87.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.27*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	311.19	121.41
		For 60 Degree Bend, Deduct	*-56.14*	
		For 30 Degree Bend, Deduct	*-100.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.56*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	345.25	140.22
		For 60 Degree Bend, Deduct	*-60.19*	
		For 30 Degree Bend, Deduct	*-108.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	418.42	179.03
		For 60 Degree Bend, Deduct	*-69.43*	
		For 30 Degree Bend, Deduct	*-125.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.92*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	510.08	222.41
		For 60 Degree Bend, Deduct	*-83.09*	
		For 30 Degree Bend, Deduct	*-150.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.50*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	597.30	258.01
		For 60 Degree Bend, Deduct	*-98.23*	
		For 30 Degree Bend, Deduct	*-178.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.87*	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	687.59	307.16
		For 60 Degree Bend, Deduct	*-109.18*	
		For 30 Degree Bend, Deduct	*-199.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.38*	
26 05 36 00-1165		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	304.29	103.96
		For 60 Degree Bend, Deduct	*-60.59*	
		For 30 Degree Bend, Deduct	*-106.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.21*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	344.29	126.25
		For 60 Degree Bend, Deduct	*-65.23*	
		For 30 Degree Bend, Deduct	*-115.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.21*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	380.90	146.53
		For 60 Degree Bend, Deduct	*-69.53*	
		For 30 Degree Bend, Deduct	*-124.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.05*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	466.80	189.64
		For 60 Degree Bend, Deduct	*-81.33*	
		For 30 Degree Bend, Deduct	*-146.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.34*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	581.94	238.67
		For 60 Degree Bend, Deduct	*-100.54*	
		For 30 Degree Bend, Deduct	*-180.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.10*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	662.27	280.16
		For 60 Degree Bend, Deduct	*-111.14*	
		For 30 Degree Bend, Deduct	*-200.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.11*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	780.08	339.13
		For 60 Degree Bend, Deduct	*-127.41*	
		For 30 Degree Bend, Deduct	*-231.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.00*	
26 05 36 00-1173		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	377.28	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.86*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	417.52	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.88*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	447.22	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.36*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	516.68	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.83*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	576.36	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.82*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	634.60	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.73*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	703.55	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.18*	
26 05 36 00-1181		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1124)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	399.49	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.97*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	441.58	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.08*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	475.61	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.78*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	557.51	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.88*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	627.99	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.40*	
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	697.27	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.86*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	788.45	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.42*	
26 05 36 00-1189		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	500.67	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.03*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	544.86	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.24*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	595.13	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.76*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	687.95	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.40*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	768.28	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.41*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	860.83	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.04*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	968.69	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.43*	
26 05 36 00-1197		**12" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	600.09	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.00*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	648.32	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.42*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	672.16	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.61*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	757.61	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.88*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	839.09	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.95*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	914.09	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.70*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,053.47	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.67*	
26 05 36 00-1205		**24" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	757.12	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.86*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	818.71	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.94*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	852.46	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.62*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	939.52	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,045.35	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.27*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,126.01	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.30*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,454.69	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.73*	
26 05 36 00-1213		**36" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	921.93	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.10*	
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	986.51	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.33*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,056.69	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.83*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,156.94	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.85*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,302.21	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.11*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,504.91	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.25*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,729.29	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.46*	
26 05 36 00-1221		**12" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	780.01	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.00*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	806.86	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.34*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	826.06	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.30*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	871.50	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.58*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	926.02	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.30*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	983.57	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.18*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,056.69	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.83*	
26 05 36 00-1229		**24" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,077.13	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.86*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,103.27	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.16*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,130.94	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.55*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,195.32	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.77*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,237.43	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.87*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,313.34	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.67*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,452.65	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.63*	
26 05 36 00-1237		**36" Radius Vertical Tees** *(26 05 36 00-1124)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,698.22	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.91*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,735.26	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.76*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,775.04	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.75*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,844.49	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.22*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,891.59	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.58*	
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,014.69	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*100.73*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,125.73	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*106.29*	
26 05 36 00-1245		**12" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	774.34	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.72*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	827.50	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.38*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	861.41	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.07*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	953.15	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.66*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,047.89	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.39*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,157.15	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.86*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,315.21	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.76*	
26 05 36 00-1253		**24" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,051.11	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.56*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,101.00	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.05*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,154.15	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.71*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,223.65	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.18*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,379.37	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.97*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,486.80	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.34*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,642.81	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.14*	
26 05 36 00-1261		**36" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,207.15	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.36*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,273.86	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.69*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,358.01	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.90*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,457.48	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,757.19	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.86*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,937.55	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.88*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,157.35	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*107.87*	

26 05 36 00-1269 12" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	774.34	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.72*	
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	827.50	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.38*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	861.41	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.07*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	953.15	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.66*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,047.89	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.39*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,157.15	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.86*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,313.18	494.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.66*	

26 05 36 00-1277 24" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,051.11	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.56*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,101.00	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.05*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,154.15	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.71*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,223.65	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.18*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,379.37	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.97*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,486.80	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.34*	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,642.81	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.14*	

26 05 36 00-1285 36" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,448.18	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.41*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,524.93	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.25*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,624.14	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.21*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,741.19	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.06*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,108.69	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.43*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,326.71	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*116.34*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,590.45	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-199.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*129.52*	

26 05 36 00-1293 12" Rung Tray Fittings *(26 05 36 00-0744)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1294		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	326.93	134.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.35*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	360.79	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.04*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	407.16	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.36*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	486.61	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.33*	
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	571.65	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.58*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	631.89	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.59*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	734.80	307.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.74*	
26 05 36 00-1302		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	415.11	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.76*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	457.79	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.89*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	496.93	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.85*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	585.94	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.30*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	666.01	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.30*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	746.19	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.31*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	855.85	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.79*	
26 05 36 00-1310		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	443.79	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.19*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	487.35	169.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.37*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	544.47	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.22*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	654.67	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.73*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	757.57	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.88*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	856.33	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.82*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	996.95	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.85*	
26 05 36 00-1318		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	230.12	97.65
		For 60 Degree Bend, Deduct	*-38.53*	
		For 30 Degree Bend, Deduct	*-69.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.51*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	265.15	117.11
		For 60 Degree Bend, Deduct	*-42.63*	
		For 30 Degree Bend, Deduct	*-77.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	296.49	134.31
		For 60 Degree Bend, Deduct	*-46.36*	
		For 30 Degree Bend, Deduct	*-84.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.82*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	368.50	169.76
		For 60 Degree Bend, Deduct	*-56.54*	
		For 30 Degree Bend, Deduct	*-103.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.43*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	452.88	207.91
		For 60 Degree Bend, Deduct	*-69.75*	
		For 30 Degree Bend, Deduct	*-127.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.64*	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	519.76	238.67
		For 60 Degree Bend, Deduct	*-80.02*	
		For 30 Degree Bend, Deduct	*-146.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.99*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	594.12	280.16
		For 60 Degree Bend, Deduct	*-88.65*	
		For 30 Degree Bend, Deduct	*-163.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.71*	
26 05 36 00-1326		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	258.60	100.73
		For 60 Degree Bend, Deduct	*-46.74*	
		For 30 Degree Bend, Deduct	*-83.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.93*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	303.57	121.41
		For 60 Degree Bend, Deduct	*-53.63*	
		For 30 Degree Bend, Deduct	*-96.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.18*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	337.44	140.22
		For 60 Degree Bend, Deduct	*-57.61*	
		For 30 Degree Bend, Deduct	*-103.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.87*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	410.02	179.03
		For 60 Degree Bend, Deduct	*-66.66*	
		For 30 Degree Bend, Deduct	*-121.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.50*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	500.32	222.41
		For 60 Degree Bend, Deduct	*-79.87*	
		For 30 Degree Bend, Deduct	*-145.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.02*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	585.59	258.01
		For 60 Degree Bend, Deduct	*-94.36*	
		For 30 Degree Bend, Deduct	*-171.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.28*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	675.29	307.16
		For 60 Degree Bend, Deduct	*-105.12*	
		For 30 Degree Bend, Deduct	*-192.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.76*	
26 05 36 00-1334		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	295.11	103.96
		For 60 Degree Bend, Deduct	*-57.56*	
		For 30 Degree Bend, Deduct	*-101.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.76*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	334.91	126.25
		For 60 Degree Bend, Deduct	*-62.13*	
		For 30 Degree Bend, Deduct	*-110.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.75*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	371.33	146.53
		For 60 Degree Bend, Deduct	*-66.37*	
		For 30 Degree Bend, Deduct	*-118.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.57*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	456.26	189.64
		For 60 Degree Bend, Deduct	*-77.85*	
		For 30 Degree Bend, Deduct	*-140.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	569.05	238.67
		For 60 Degree Bend, Deduct	*-96.29*	
		For 30 Degree Bend, Deduct	*-173.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.45*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	648.60	280.16
		For 60 Degree Bend, Deduct	*-106.63*	
		For 30 Degree Bend, Deduct	*-193.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.43*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	765.04	339.13
		For 60 Degree Bend, Deduct	*-122.45*	
		For 30 Degree Bend, Deduct	*-222.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.25*	

26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	361.94	134.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.10*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	401.34	153.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.07*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	430.76	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.54*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	499.66	207.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.98*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	558.51	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.93*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	615.91	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.80*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	684.30	306.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.22*	

26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	382.89	140.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.14*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	424.29	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.21*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	457.89	179.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.89*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	538.82	222.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.94*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	608.18	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.41*	
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	676.34	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.82*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	766.13	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.31*	

26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	475.01	146.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.75*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	518.64	169.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.93*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	567.23	189.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.36*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	658.94	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.95*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	738.15	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.91*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	828.46	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	934.94	378.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.75*	

26 05 36 00-1366 12" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	583.07	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.15*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	630.19	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.51*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	653.75	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.69*	
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	735.57	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.78*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	814.82	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.74*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	885.91	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.30*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,019.72	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.99*	

26 05 36 00-1374 24" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	728.11	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.41*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	788.02	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.40*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	820.93	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.05*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	905.21	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.26*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,007.97	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.40*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,085.00	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.25*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,391.92	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.60*	

26 05 36 00-1382 36" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	880.92	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.05*	
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	944.39	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.22*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,010.66	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.53*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,108.40	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.42*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,248.65	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.43*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,437.12	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.86*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,653.97	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.70*	

26 05 36 00-1390 12" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	741.79	238.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.09*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	767.52	248.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	786.44	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.32*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	831.05	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.55*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	882.22	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.11*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	938.94	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.95*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,010.66	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.53*	

26 05 36 00-1398 24" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,012.41	258.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.62*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,037.71	268.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.89*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,064.54	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.23*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,126.97	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.35*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,167.41	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.37*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,241.65	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.08*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,374.53	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.73*	

26 05 36 00-1406 36" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,575.10	280.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.76*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,610.54	292.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.53*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,648.72	307.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.44*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,716.57	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.83*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,762.07	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.10*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,880.37	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.02*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,989.82	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.49*	

26 05 36 00-1414 12" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	750.63	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.53*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.28	339.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.06*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	834.91	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.75*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	921.06	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.05*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,014.70	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.74*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,118.09	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,266.39	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.32*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,005.64	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.28*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,054.13	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.71*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,105.89	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.29*	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,172.87	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.64*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,324.13	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.21*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,427.65	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.38*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,576.13	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.81*	
26 05 36 00-1430		**36" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,153.59	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.68*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,218.07	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.90*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,298.86	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.94*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,394.43	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.72*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,679.07	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.95*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,851.07	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.55*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,061.10	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.06*	
26 05 36 00-1438		**12" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	750.63	322.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.53*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.47	339.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.07*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	834.80	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.74*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	921.29	379.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.06*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,014.70	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.74*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,118.44	460.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.92*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,265.38	495.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.27*	
26 05 36 00-1446		**24" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,005.64	357.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.28*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,054.13	379.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,105.89	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.29*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,172.87	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.64*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,324.13	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.21*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,427.65	537.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.38*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,576.13	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.81*	

26 05 36 00-1454 36" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,370.52	402.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.53*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,444.03	429.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.20*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,538.39	460.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.92*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,649.78	496.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.49*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,995.43	585.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.77*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,201.31	643.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*110.07*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,450.89	716.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*122.54*	

26 05 36 00-1462 Dropout Or End Plates And Reducers *(26 05 36 00-0744)*

26 05 36 00-1463 Straight Reducers *(26 05 36 00-1462)*

26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray	290.78	99.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.54*	
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray	307.22	107.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.36*	
26 05 36 00-1466	EA	18" To 12" Reducer, Aluminum Cable Tray	337.62	123.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.88*	
26 05 36 00-1467	EA	24" To 18" Reducer, Aluminum Cable Tray	372.72	143.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.64*	
26 05 36 00-1468	EA	30" To 24" Reducer, Aluminum Cable Tray	405.32	161.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.27*	
26 05 36 00-1469	EA	36" To 30" Reducer, Aluminum Cable Tray	451.97	184.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.60*	

26 05 36 00-1470 Reducers *(26 05 36 00-1462)*

26 05 36 00-1471	EA	18" To 6" Reducer, Aluminum Cable Tray	337.74	123.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.89*	
26 05 36 00-1472	EA	24" To 12" Reducer, Aluminum Cable Tray	373.06	143.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.65*	
26 05 36 00-1473	EA	30" To 12" Reducer, Aluminum Cable Tray	405.10	161.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.26*	
26 05 36 00-1474	EA	30" To 18" Reducer, Aluminum Cable Tray	407.67	160.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.38*	
26 05 36 00-1475	EA	36" To 12" Reducer, Aluminum Cable Tray	449.18	184.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.46*	
26 05 36 00-1476	EA	36" To 18" Reducer, Aluminum Cable Tray	460.04	188.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1477	EA	36" To 24" Reducer, Aluminum Cable Tray	475.68	195.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.78*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	83.75	40.29
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	94.40	46.07
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	101.84	49.56
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	123.44	58.56
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	137.71	64.47
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	155.40	71.58
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	174.34	80.58
26 05 36 00-1486		**Solid Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 3-5/8" Height.		
26 05 36 00-1487		**Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	34.13	10.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.36*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	42.51	12.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.23*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	56.75	18.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.42*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	65.66	21.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.31*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	78.70	25.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.52*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	100.40	29.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*10.16*	
26 05 36 00-1494		**Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1495		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	349.40	134.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.01*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	455.72	189.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.83*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	558.34	238.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.97*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	684.38	293.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.78*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	799.47	339.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.30*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	898.19	379.42
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.50*	
26 05 36 00-1502		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	411.41	139.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.38*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	544.27	201.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.03*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	670.70	258.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.61*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	818.13	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.00*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	959.70	378.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.84*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	1,084.61	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.10*	
26 05 36 00-1509		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	504.51	146.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.31*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	652.18	215.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.95*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	826.30	280.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.18*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	985.14	357.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.13*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,182.43	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.77*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,349.17	494.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.88*	
26 05 36 00-1516		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	318.20	134.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	420.61	189.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.56*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	517.74	238.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.93*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	634.76	292.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.41*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	741.16	339.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.55*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	830.53	378.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.47*	
26 05 36 00-1523		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	367.06	140.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.71*	
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	491.90	201.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.21*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	611.05	258.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.61*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	747.90	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.46*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	878.75	379.42
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.58*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	992.44	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.27*	
26 05 36 00-1530		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	439.65	146.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.55*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	545.45	195.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.28*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	736.63	280.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.73*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	889.02	358.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.61*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,065.80	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.28*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,220.15	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.32*	
26 05 36 00-1537		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	376.39	134.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.12*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	475.79	189.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.84*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	560.85	238.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.35*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	679.37	293.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.03*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	769.38	339.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.79*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	841.82	378.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.16*	
26 05 36 00-1544		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	449.04	139.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.02*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	571.86	201.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.17*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	685.75	258.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.87*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	815.62	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.62*	
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	924.59	378.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.57*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	1,036.96	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.95*	
26 05 36 00-1551		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	537.12	146.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.20*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	654.55	195.55
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.58*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	826.30	280.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.18*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	990.16	357.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.89*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,144.80	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,291.49	494.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.23*	

26 05 36 00-1558 12" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	605.49	258.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.83*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	726.99	321.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.41*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	858.06	379.42
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.48*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,021.67	460.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.42*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,115.44	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.62*	
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,307.14	585.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.46*	

26 05 36 00-1565 24" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	740.37	280.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.36*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	914.92	357.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.60*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,069.56	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.84*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,374.43	537.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.63*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,497.75	585.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*127.06*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,759.22	716.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.39*	

26 05 36 00-1572 36" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	940.72	307.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.92*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,150.58	402.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.43*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,348.69	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.60*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,645.73	585.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.25*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,803.53	645.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*162.91*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,095.50	805.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*180.02*	

26 05 36 00-1579 12" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	718.35	258.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.76*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	838.19	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.01*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	902.38	357.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.72*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	967.22	378.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.97*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,074.58	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.60*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,198.21	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*97.03*	

26 05 36 00-1586 24" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	893.37	280.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.31*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,042.83	357.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.79*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,140.54	402.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.93*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,207.51	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.53*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,366.25	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.24*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,540.39	585.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*133.45*	

26 05 36 00-1593 36" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,175.71	306.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*125.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,348.72	402.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*135.16*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,493.94	460.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*147.43*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,579.44	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*154.22*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,853.90	585.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*180.48*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,000.74	643.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*192.84*	

26 05 36 00-1600 12" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	747.90	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.46*	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	860.57	379.42
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.85*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,034.96	460.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.59*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,196.35	537.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.91*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,408.82	643.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.05*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,563.59	716.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.05*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	981.19	358.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.43*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,144.80	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.13*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,374.43	537.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.63*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,690.66	645.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*145.98*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,859.55	716.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*159.44*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	2,045.34	805.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*172.49*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,298.55	402.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*127.63*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,516.74	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.81*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,828.61	645.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*166.67*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,085.27	716.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*193.30*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,308.69	805.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*212.00*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,561.50	919.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*230.91*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	301.98	107.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.39*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	327.79	121.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.93*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	363.60	139.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.22*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	409.07	161.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.50*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	443.41	178.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.72*	

26 05 36 00-1627 Reducers *(26 05 36 00-1494)*

26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	327.91	121.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.94*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	361.57	140.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.87*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	403.84	161.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.74*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	406.14	160.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.10*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	440.90	178.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.34*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	443.41	178.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	446.44	179.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.12*	
26 05 36 00-1635		**Dropout Or End Plate** *(26 05 36 00-1494)*		
26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	92.73	40.29
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	113.78	49.16
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	131.34	58.29
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	147.69	64.47
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	164.43	71.58
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	182.59	80.58
26 05 36 00-1642		**Solid Bottom Aluminum Straight Cable Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	30.19	8.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.11*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	37.58	9.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.99*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	48.05	12.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.05*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	57.04	14.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.19*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	70.02	18.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.44*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	83.10	20.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*9.10*	
26 05 36 00-1649		**Solid Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1650		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	353.17	134.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.58*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	427.47	169.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.91*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	493.48	189.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.44*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	574.86	222.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.13*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	678.72	258.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.76*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	767.28	293.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.22*	
26 05 36 00-1657		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	417.01	139.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.22*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	516.71	179.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.63*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	584.02	201.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.03*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	704.61	238.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.91*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	817.53	279.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.00*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	940.88	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.41*	
26 05 36 00-1664		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	516.14	146.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.05*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	643.43	189.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.87*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	746.25	215.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.06*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	845.14	257.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.83*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	982.11	307.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.13*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,146.33	357.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*112.42*	
26 05 36 00-1671		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	324.90	134.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.32*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	395.50	169.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.11*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	454.11	189.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	529.20	222.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.36*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	624.11	258.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.57*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	704.57	292.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.95*	
26 05 36 00-1678		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	376.76	140.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.16*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	468.48	179.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.43*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	530.08	201.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.87*	
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	637.11	238.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.78*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	741.57	280.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.47*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	852.08	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.09*	
26 05 36 00-1685		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	456.55	146.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.08*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	570.91	189.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.05*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	660.99	215.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.28*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	754.77	258.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.17*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	878.65	307.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.61*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,027.23	358.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.34*	
26 05 36 00-1692		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	376.79	134.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.18*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	441.60	169.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.03*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	495.50	189.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.74*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	560.73	222.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.01*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	632.30	258.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.80*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	695.21	292.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.55*	
26 05 36 00-1699		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	451.32	139.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.36*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	534.87	179.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.36*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	590.08	201.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.94*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	674.33	238.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.37*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	759.00	279.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.22*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	860.15	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.30*	
26 05 36 00-1706		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	530.27	146.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.17*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	639.39	189.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.26*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	709.92	215.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.62*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	794.69	257.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.27*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	915.50	307.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.14*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,015.14	357.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.74*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1713			**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714		EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	629.73	258.01
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.47*	
26 05 36 00-1715		EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	729.52	292.38
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.70*	
26 05 36 00-1716		EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	809.69	322.33
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.73*	
26 05 36 00-1717		EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	902.22	358.47
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.59*	
26 05 36 00-1718		EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,067.11	429.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.47*	
26 05 36 00-1719		EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,299.04	537.22
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.32*	
26 05 36 00-1720			**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721		EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	795.98	280.16
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.70*	
26 05 36 00-1722		EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	908.59	322.33
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.57*	
26 05 36 00-1723		EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,016.20	357.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.79*	
26 05 36 00-1724		EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,230.59	429.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*113.00*	
26 05 36 00-1725		EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,480.69	537.22
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*132.57*	
26 05 36 00-1726		EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,634.88	587.32
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*147.34*	
26 05 36 00-1727			**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728		EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,046.70	307.16
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.82*	
26 05 36 00-1729		EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,181.70	357.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.62*	
26 05 36 00-1730		EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,347.67	402.92
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*135.00*	
26 05 36 00-1731		EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,612.13	494.92
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*159.32*	
26 05 36 00-1732		EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,944.06	645.75
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*183.99*	
26 05 36 00-1733		EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,163.70	716.93
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*205.07*	
26 05 36 00-1734			**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735		EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	714.50	258.01
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.18*	
26 05 36 00-1736		EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	778.68	292.78
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.00*	
26 05 36 00-1737		EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	813.81	306.62
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.97*	
26 05 36 00-1738		EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	859.30	321.80
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.26*	
26 05 36 00-1739		EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	947.58	357.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.50*	
26 05 36 00-1740		EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,087.29	429.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.50*	
26 05 36 00-1741			**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742		EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	886.80	280.16
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.32*	
26 05 36 00-1743		EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	981.25	322.33
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.47*	
26 05 36 00-1744		EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,039.58	339.13
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.41*	
26 05 36 00-1745		EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,111.06	357.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.02*	
26 05 36 00-1746		EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,236.66	402.92
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*118.35*	
26 05 36 00-1747		EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,420.39	494.92
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.56*	
26 05 36 00-1748			**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749		EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,167.02	306.62
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.95*	
26 05 36 00-1750		EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,275.30	353.50
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*132.39*	
26 05 36 00-1751		EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,357.74	378.75
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*140.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,418.31	402.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*145.59*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,573.92	460.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*159.43*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,064.88	585.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.13*	
26 05 36 00-1755		**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	742.35	292.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.55*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	823.82	322.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.85*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	958.11	378.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.60*	
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,137.96	460.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.04*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,244.79	494.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.22*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,443.13	587.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*118.58*	
26 05 36 00-1762		**24" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	982.12	322.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.51*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,111.06	357.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.02*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,275.00	429.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.66*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,573.91	538.71
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*146.31*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,725.70	587.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*160.96*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,971.96	716.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*176.30*	
26 05 36 00-1769		**36" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,353.26	357.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*143.35*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,488.95	402.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*156.19*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,735.26	496.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*177.59*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,065.16	645.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*202.16*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,264.61	716.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*220.20*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,594.43	805.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*254.86*	
26 05 36 00-1776		**Straight Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	278.74	92.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.45*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	307.96	107.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.32*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	339.64	121.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.71*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	382.86	140.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.08*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	425.62	160.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.02*	
26 05 36 00-1782		**Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	306.04	107.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.02*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	337.99	121.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.42*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	378.66	139.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.47*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	380.52	139.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.76*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	425.62	160.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.02*	
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	427.64	160.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.33*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	432.10	161.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.95*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1790		**Dropout Or End Plate** *(26 05 36 00-1649)*		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	92.68	40.29
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	110.79	49.16
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	131.74	58.29
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	145.49	64.47
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	163.68	71.58
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	185.78	80.58
26 05 36 00-1797		**Vented Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 6" Height.		
26 05 36 00-1798		**Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	43.91	14.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.22*	
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	51.64	16.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.82*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	60.80	18.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.53*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	69.77	21.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.21*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	92.04	25.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.06*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	108.90	32.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-8.20*	
26 05 36 00-1805		**Vented Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1806		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	408.25	169.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.68*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	531.65	229.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.02*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	659.10	292.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.51*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	808.35	358.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.96*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	911.89	403.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.55*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	1,044.86	460.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.07*	
26 05 36 00-1813		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	483.32	178.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.42*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	626.75	248.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.00*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	794.98	322.33
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.64*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	962.10	402.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.63*	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,028.83	416.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.20*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,284.36	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.67*	
26 05 36 00-1820		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	591.78	189.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.41*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	764.63	269.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.05*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	977.06	358.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.83*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,167.29	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.40*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,345.29	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.76*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,574.20	643.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.78*	
26 05 36 00-1827		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	380.90	169.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.93*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	498.91	229.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.75*	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	620.75	292.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	760.89	357.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.27*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	859.31	403.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.29*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	982.27	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.90*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	442.85	179.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.36*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	579.84	248.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.31*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	739.14	322.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.01*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	898.17	402.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.24*	
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,029.72	460.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.55*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,198.79	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.11*	

26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	531.55	189.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.36*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	693.84	268.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.03*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	893.55	358.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.48*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,080.90	460.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.67*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,246.31	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.86*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,467.32	645.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.92*	

26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	443.84	169.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.28*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	563.28	229.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.19*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	670.82	292.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.68*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	806.00	358.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.73*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	886.12	403.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.97*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	991.54	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.82*	

26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	530.18	178.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.11*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	659.55	248.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.28*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	809.04	322.33
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.04*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	952.72	402.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.70*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,082.93	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.96*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,225.78	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.81*	

26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	629.27	189.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.16*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	781.04	269.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.69*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	967.69	358.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.90*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,162.60	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.93*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,300.77	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.31*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,522.65	643.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.63*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1869			**12" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	727.03	322.33
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.84*	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	881.10	402.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.60*	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,007.36	460.94
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.32*	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,171.89	537.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.42*	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,292.41	585.58
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.44*	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,419.55	643.60
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.32*	
26 05 36 00-1876			**24" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	910.39	357.79
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.22*	
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,108.71	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.54*	
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,277.33	537.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.96*	
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,569.52	643.60
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.32*	
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,733.85	716.93
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.64*	
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,938.26	805.84
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-126.67*	
26 05 36 00-1883			**36" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,121.44	402.92
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.57*	
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,408.56	537.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.09*	
26 05 36 00-1886	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,636.22	645.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.81*	
26 05 36 00-1887	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,017.93	805.84
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-134.64*	
26 05 36 00-1888	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,254.92	924.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-148.48*	
26 05 36 00-1889	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,629.58	1,071.63
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-173.66*	
26 05 36 00-1890			**12" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1891	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	853.56	322.33
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.50*	
26 05 36 00-1892	EA		12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	992.56	402.92
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.68*	
26 05 36 00-1893	EA		18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,043.98	429.52
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.60*	
26 05 36 00-1894	EA		24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,113.40	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.01*	
26 05 36 00-1895	EA		30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,194.91	496.26
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.14*	
26 05 36 00-1896	EA		36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,350.99	585.58
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.30*	
26 05 36 00-1897			**24" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1898	EA		6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,020.52	357.79
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.23*	
26 05 36 00-1899	EA		12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,211.81	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.85*	
26 05 36 00-1900	EA		18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,293.32	496.26
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.98*	
26 05 36 00-1901	EA		24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,396.84	537.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.92*	
26 05 36 00-1902	EA		30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,503.31	585.58
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.53*	
26 05 36 00-1903	EA		36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,766.66	716.93
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.92*	
26 05 36 00-1904			**36" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1905	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,345.06	402.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.00*	
26 05 36 00-1906	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,586.65	537.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.90*	
26 05 36 00-1907	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,690.77	585.58
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,837.75	645.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.97*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,073.63	716.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-147.62*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,423.63	919.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-165.70*	
26 05 36 00-1911		**12" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	915.23	402.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.95*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,014.39	460.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.02*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,169.54	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.19*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,360.96	643.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.46*	
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,514.04	714.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.87*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,706.28	805.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.47*	
26 05 36 00-1918		**24" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,150.30	460.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.61*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,296.08	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.84*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,513.28	643.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.69*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,903.11	805.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-123.16*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,151.81	919.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-138.52*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,442.12	1,071.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-154.91*	
26 05 36 00-1925		**36" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,539.78	537.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.21*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,753.39	645.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-121.53*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,034.34	805.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-136.28*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,627.41	1,077.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-172.96*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,066.23	1,291.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-199.01*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,670.32	1,611.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-232.73*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	347.07	137.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.27*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	378.55	153.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.08*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	429.16	178.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.02*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	471.68	201.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.38*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	515.07	221.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.02*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	378.55	153.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.08*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	427.34	179.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.81*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	469.00	201.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.13*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	471.01	201.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.35*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	512.73	221.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.78*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	515.07	221.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.02*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	518.23	222.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.29*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	110.83	49.56
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	131.40	58.16
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	144.84	64.20
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	162.88	71.58
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	180.78	80.45
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	211.90	96.16
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	41.46	10.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.27*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	46.00	11.55
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.64*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	51.46	12.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.07*	
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	59.96	14.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.79*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	68.84	15.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.56*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	87.50	18.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.22*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	97.33	21.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.94*	
26 05 36 00-1961		**Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1962		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	477.17	169.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.57*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	518.37	184.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.48*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	571.05	207.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.82*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	645.17	229.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.35*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	771.75	280.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.79*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	912.59	322.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.35*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,005.74	358.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.70*	
26 05 36 00-1970		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	579.78	178.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.07*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	700.05	222.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.48*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	793.64	248.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.69*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	944.69	306.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.92*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,090.91	357.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.32*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,206.53	402.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.08*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	712.30	189.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.47*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	851.64	238.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.25*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	963.58	269.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.94*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,128.43	339.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.58*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,209.45	328.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.56*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,484.62	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.13*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	434.66	169.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.31*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	472.19	184.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.85*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	521.50	207.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	587.11	229.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.57*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	704.19	280.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.07*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	830.20	322.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.12*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	914.86	357.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.67*	
26 05 36 00-1992		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	518.09	179.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.89*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	627.57	222.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.23*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	710.52	248.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.35*	
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	850.07	307.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.42*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	984.00	358.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.53*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,088.83	402.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.31*	
26 05 36 00-1999		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	625.55	189.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.76*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	750.96	238.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.23*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	850.22	269.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.61*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,005.48	339.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.24*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,148.47	379.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.23*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,328.41	460.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.42*	
26 05 36 00-2006		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	518.68	169.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.76*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	556.96	183.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.38*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	599.21	207.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.63*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	645.17	229.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.35*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	757.67	280.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.39*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	842.20	322.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.32*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	903.31	357.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.51*	
26 05 36 00-2014		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	616.38	178.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.73*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	716.94	222.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.16*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	790.83	248.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.41*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	894.79	307.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.89*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	999.05	357.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.09*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,093.90	402.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.81*	
26 05 36 00-2021		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	709.48	189.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.18*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	820.67	238.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.15*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	921.34	269.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.72*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,077.74	339.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.51*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,195.49	379.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.93*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2027		EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,346.64	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.33*	

26 05 36 00-2028 12" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2029		EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	832.88	322.33
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.43*	
26 05 36 00-2030		EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	869.38	339.13
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.67*	
26 05 36 00-2031		EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	924.78	357.25
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.71*	
26 05 36 00-2032		EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,055.83	403.73
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.94*	
26 05 36 00-2033		EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,205.85	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.26*	
26 05 36 00-2034		EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,365.62	537.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.79*	
26 05 36 00-2035		EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,511.07	585.58
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-102.30*	

26 05 36 00-2036 24" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2037		EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,046.92	357.79
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.87*	
26 05 36 00-2038		EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,182.67	402.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.76*	
26 05 36 00-2039		EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,329.75	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.65*	
26 05 36 00-2040		EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,596.94	535.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-115.04*	
26 05 36 00-2041		EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,836.44	645.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.84*	
26 05 36 00-2042		EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,081.88	716.93
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-148.44*	

26 05 36 00-2043 36" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2044		EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,395.19	402.92
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.94*	
26 05 36 00-2045		EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,597.25	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-121.40*	
26 05 36 00-2046		EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,691.10	448.72
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-131.72*	
26 05 36 00-2047		EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,170.90	643.60
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-163.45*	
26 05 36 00-2048		EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,517.01	809.07
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-184.28*	
26 05 36 00-2049		EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,884.76	919.87
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-211.82*	

26 05 36 00-2050 12" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2051		EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	942.69	322.33
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.41*	
26 05 36 00-2052		EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	973.56	339.13
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.09*	
26 05 36 00-2053		EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,035.65	357.79
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.75*	
26 05 36 00-2054		EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,074.41	379.42
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.82*	
26 05 36 00-2055		EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,123.54	402.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.84*	
26 05 36 00-2056		EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,188.97	429.52
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.10*	
26 05 36 00-2057		EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,317.74	494.92
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.53*	

26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2059		EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,170.81	357.79
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.26*	
26 05 36 00-2060		EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,289.67	402.11
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-95.46*	
26 05 36 00-2061		EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,377.63	429.52
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.97*	
26 05 36 00-2062		EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,470.54	460.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.72*	
26 05 36 00-2063		EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,585.24	494.92
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.28*	
26 05 36 00-2064		EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,753.26	587.32
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-126.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-2065 36" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,557.18	402.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-122.21*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,709.88	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-132.66*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,796.43	494.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-138.39*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,939.61	538.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-149.07*	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,105.24	587.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-161.58*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,373.30	714.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-177.80*	

26 05 36 00-2072 12" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	965.26	357.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.71*	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,026.54	379.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.04*	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,078.35	403.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.19*	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,191.77	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.85*	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,366.04	535.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.95*	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,547.65	583.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.10*	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,887.59	716.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.01*	

26 05 36 00-2080 24" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,334.59	403.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.82*	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,490.25	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.70*	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,672.97	535.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-122.65*	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,973.79	643.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-143.74*	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,162.12	714.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-156.68*	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,631.34	919.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-186.48*	

26 05 36 00-2087 36" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,850.67	460.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-146.74*	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,052.25	538.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-160.34*	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,325.77	643.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-178.94*	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,798.59	809.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-212.44*	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,117.07	924.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-234.70*	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,616.27	1,071.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-272.33*	

26 05 36 00-2094 Straight Reducers *(26 05 36 00-1961)*

26 05 36 00-2095	EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	359.38	107.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.98*	
26 05 36 00-2096	EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	377.30	113.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.30*	
26 05 36 00-2097	EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	426.44	134.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.46*	
26 05 36 00-2098	EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	472.16	153.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.45*	
26 05 36 00-2099	EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	520.91	179.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.17*	
26 05 36 00-2100	EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	566.00	201.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.85*	

26 05 36 00-2101 Reducers *(26 05 36 00-1961)*

26 05 36 00-2102	EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	376.98	112.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.28*	
26 05 36 00-2103	EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	426.29	134.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	426.29	134.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.45*	
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	472.35	153.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.46*	
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	472.35	153.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.46*	
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	472.74	153.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.48*	
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	526.28	178.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.72*	
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	520.39	178.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.14*	
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	566.00	201.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.85*	
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	566.00	201.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.85*	
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	566.67	201.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.88*	

26 05 36 00-2113 Dropout Or End Plate *(26 05 36 00-1961)*

26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	119.48	49.56
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	130.38	54.13
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	140.48	58.16
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	159.51	64.20
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	182.77	71.58
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	201.73	80.45
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	230.96	92.13

26 05 36 00-2121 Cable Tray Covers And Dividers *(26 05 36 00-0001)*

26 05 36 00-2122 Galvanized Steel Covers *(26 05 36 00-2121)*

26 05 36 00-2123 Ventilated Straight Sections *(26 05 36 00-2122)*

26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	11.48	2.41
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	13.84	2.82
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	16.26	3.23
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	22.03	4.30
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	27.97	5.77
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	33.94	7.11
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	159.77	80.72

26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	69.45	8.60
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	77.71	10.07
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	84.27	11.95
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	114.54	15.31
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	140.32	19.48
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	169.50	21.62
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	204.72	25.79

26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	107.22	9.54
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	112.27	11.15
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	126.72	13.43
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	157.22	17.05
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	192.86	21.49
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	247.50	24.71
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	287.90	29.28

26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	151.39	10.74
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	168.31	12.35
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	182.55	15.31
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	231.37	17.87
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	280.33	24.85
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	330.27	28.07
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	386.39	32.23

26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	53.52	8.60
		For 60 Degree Bend, Deduct	*-14.35*	
		For 30 Degree Bend, Deduct	*-24.40*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	63.65	10.07
		For 60 Degree Bend, Deduct	*-17.15*	
		For 30 Degree Bend, Deduct	*-29.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	71.38	11.95
		For 60 Degree Bend, Deduct	*-18.99*	
		For 30 Degree Bend, Deduct	*-32.32*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	86.49	14.64
		For 60 Degree Bend, Deduct	*-22.93*	
		For 30 Degree Bend, Deduct	*-39.03*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	100.96	16.92
		For 60 Degree Bend, Deduct	*-26.80*	
		For 30 Degree Bend, Deduct	*-45.62*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	118.10	19.48
		For 60 Degree Bend, Deduct	*-31.48*	
		For 30 Degree Bend, Deduct	*-53.56*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	131.89	21.49
		For 60 Degree Bend, Deduct	*-35.29*	
		For 30 Degree Bend, Deduct	*-60.00*	
26 05 36 00-2163		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	73.26	9.54
		For 60 Degree Bend, Deduct	*-20.53*	
		For 30 Degree Bend, Deduct	*-34.75*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	82.98	11.15
		For 60 Degree Bend, Deduct	*-23.12*	
		For 30 Degree Bend, Deduct	*-39.15*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	95.08	13.43
		For 60 Degree Bend, Deduct	*-26.22*	
		For 30 Degree Bend, Deduct	*-44.44*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	110.09	16.11
		For 60 Degree Bend, Deduct	*-30.14*	
		For 30 Degree Bend, Deduct	*-51.13*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	126.82	18.40
		For 60 Degree Bend, Deduct	*-34.78*	
		For 30 Degree Bend, Deduct	*-58.99*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	157.75	21.49
		For 60 Degree Bend, Deduct	*-43.80*	
		For 30 Degree Bend, Deduct	*-74.20*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	174.93	24.85
		For 60 Degree Bend, Deduct	*-48.21*	
		For 30 Degree Bend, Deduct	*-81.74*	
26 05 36 00-2171		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	101.05	10.74
		For 60 Degree Bend, Deduct	*-29.24*	
		For 30 Degree Bend, Deduct	*-49.33*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	114.41	12.35
		For 60 Degree Bend, Deduct	*-33.00*	
		For 30 Degree Bend, Deduct	*-55.69*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	128.59	15.31
		For 60 Degree Bend, Deduct	*-36.57*	
		For 30 Degree Bend, Deduct	*-61.80*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	146.71	17.05
		For 60 Degree Bend, Deduct	*-41.89*	
		For 30 Degree Bend, Deduct	*-70.76*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	178.80	20.82
		For 60 Degree Bend, Deduct	*-51.03*	
		For 30 Degree Bend, Deduct	*-86.20*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	198.36	24.85
		For 60 Degree Bend, Deduct	*-55.95*	
		For 30 Degree Bend, Deduct	*-94.62*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	234.61	26.86
		For 60 Degree Bend, Deduct	*-67.12*	
		For 30 Degree Bend, Deduct	*-113.36*	
26 05 36 00-2179		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	60.27	8.60
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	63.65	10.07
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	70.21	11.95
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	81.84	14.64
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	90.17	18.94
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	100.37	21.62
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	126.13	25.79
26 05 36 00-2187		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	72.07	9.54
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	80.64	11.15
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	86.88	13.43
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	112.39	16.11
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	130.72	20.82
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	150.28	24.85
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	173.08	29.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	83.43	10.74
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	103.87	12.35
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	119.28	15.31
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	146.71	17.05
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	170.93	23.77
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	203.73	28.07
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	238.76	32.23
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	106.56	13.97
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	112.39	16.11
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	127.56	18.94
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	153.06	21.49
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	188.99	24.85
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	232.99	35.72
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	280.02	42.85
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	155.65	14.64
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	178.33	17.05
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	188.20	20.15
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	237.59	23.10
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	349.29	26.86
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	414.01	40.29
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	464.54	49.56
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	262.19	15.31
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	271.18	17.87
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	302.99	21.49
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	355.43	24.85
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	461.31	29.28
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	524.51	46.20
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	605.87	58.43
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	155.75	18.94
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	164.80	20.15
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	182.36	21.49
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	214.76	24.85
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	270.43	35.72
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	312.75	42.85
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	357.88	46.07
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	270.29	20.15
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	293.62	21.49
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	314.92	23.10
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	375.06	26.86
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	470.19	40.29
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	537.09	49.56
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	600.19	53.59
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	431.87	21.49
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	448.49	23.10
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	472.59	24.85
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	545.67	29.28
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	709.57	46.07
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	777.36	58.69
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	833.86	64.47
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	69.51	10.07
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	74.95	11.95
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	74.95	11.95
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	83.00	14.64
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	83.00	14.64
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	101.84	16.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	108.87	16.11
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	105.70	18.40
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	112.73	18.40
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	117.42	18.40
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	122.55	20.15
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	124.90	20.15
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	127.24	20.15
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	128.41	20.15
26 05 36 00-2266		Aluminum Covers *(26 05 36 00-2121)*		
26 05 36 00-2267		Ventilated Straight Sections *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	12.51	2.41
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	14.90	2.82
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	17.49	3.23
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	23.27	4.30
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	29.95	5.77
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	34.09	7.11
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	158.14	80.72
26 05 36 00-2275		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	69.36	8.60
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	74.15	10.07
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	81.98	11.95
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	106.77	15.31
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	135.32	19.48
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	159.03	21.62
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	193.62	25.79
26 05 36 00-2283		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	91.13	9.54
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	111.76	11.15
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	125.23	13.43
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	150.25	17.05
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	186.45	21.49
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	225.35	24.71
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	275.98	29.28
26 05 36 00-2291		90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	146.90	10.74
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	161.71	12.35
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	185.70	15.31
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	221.08	17.87
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	273.19	24.85
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	314.45	28.07
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	366.78	32.23
26 05 36 00-2299		45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	55.03	8.60
		For 60 Degree Bend, Deduct	*-14.85*	
		For 30 Degree Bend, Deduct	*-25.23*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	58.61	10.07
		For 60 Degree Bend, Deduct	*-15.48*	
		For 30 Degree Bend, Deduct	*-26.36*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	66.68	11.95
		For 60 Degree Bend, Deduct	*-17.44*	
		For 30 Degree Bend, Deduct	*-29.73*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	78.17	14.64
		For 60 Degree Bend, Deduct	*-20.19*	
		For 30 Degree Bend, Deduct	*-34.46*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	88.08	16.92
		For 60 Degree Bend, Deduct	*-22.55*	
		For 30 Degree Bend, Deduct	*-38.53*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	107.87	19.48
		For 60 Degree Bend, Deduct	*-28.11*	
		For 30 Degree Bend, Deduct	*-47.93*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	126.65	21.49
		For 60 Degree Bend, Deduct	*-33.56*	
		For 30 Degree Bend, Deduct	*-57.12*	
26 05 36 00-2307		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	63.06	9.54
		For 60 Degree Bend, Deduct	*-17.16*	
		For 30 Degree Bend, Deduct	*-29.14*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309		EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	78.30	11.15
			For 60 Degree Bend, Deduct	*-21.57*	
			For 30 Degree Bend, Deduct	*-36.58*	
26 05 36 00-2310		EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	84.59	13.43
			For 60 Degree Bend, Deduct	*-22.75*	
			For 30 Degree Bend, Deduct	*-38.67*	
26 05 36 00-2311		EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	102.20	16.11
			For 60 Degree Bend, Deduct	*-27.54*	
			For 30 Degree Bend, Deduct	*-46.80*	
26 05 36 00-2312		EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	123.97	18.40
			For 60 Degree Bend, Deduct	*-33.84*	
			For 30 Degree Bend, Deduct	*-57.42*	
26 05 36 00-2313		EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	143.47	21.49
			For 60 Degree Bend, Deduct	*-39.09*	
			For 30 Degree Bend, Deduct	*-66.34*	
26 05 36 00-2314		EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	165.66	24.85
			For 60 Degree Bend, Deduct	*-45.16*	
			For 30 Degree Bend, Deduct	*-76.64*	

26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*

26 05 36 00-2316		EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	99.13	10.74
			For 60 Degree Bend, Deduct	*-28.61*	
			For 30 Degree Bend, Deduct	*-48.27*	
26 05 36 00-2317		EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	109.12	12.35
			For 60 Degree Bend, Deduct	*-31.25*	
			For 30 Degree Bend, Deduct	*-52.78*	
26 05 36 00-2318		EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	118.71	15.31
			For 60 Degree Bend, Deduct	*-33.31*	
			For 30 Degree Bend, Deduct	*-56.37*	
26 05 36 00-2319		EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	140.72	17.05
			For 60 Degree Bend, Deduct	*-39.91*	
			For 30 Degree Bend, Deduct	*-67.47*	
26 05 36 00-2320		EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	170.94	20.82
			For 60 Degree Bend, Deduct	*-48.43*	
			For 30 Degree Bend, Deduct	*-81.88*	
26 05 36 00-2321		EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	196.73	24.85
			For 60 Degree Bend, Deduct	*-55.41*	
			For 30 Degree Bend, Deduct	*-93.73*	
26 05 36 00-2322		EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	221.69	26.86
			For 60 Degree Bend, Deduct	*-62.85*	
			For 30 Degree Bend, Deduct	*-106.25*	

26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2324		EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	61.19	8.60
26 05 36 00-2325		EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	63.99	10.07
26 05 36 00-2326		EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	71.22	11.95
26 05 36 00-2327		EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	84.19	14.64
26 05 36 00-2328		EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	93.74	18.94
26 05 36 00-2329		EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	99.27	21.62
26 05 36 00-2330		EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	119.43	25.79

26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2332		EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	69.61	9.54
26 05 36 00-2333		EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	77.10	11.15
26 05 36 00-2334		EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	85.78	13.43
26 05 36 00-2335		EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	103.35	16.11
26 05 36 00-2336		EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	118.31	20.82
26 05 36 00-2337		EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	148.89	24.85
26 05 36 00-2338		EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	166.02	29.28

26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2340		EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	79.97	10.74
26 05 36 00-2341		EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	97.17	12.35
26 05 36 00-2342		EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	113.99	15.31
26 05 36 00-2343		EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	135.94	17.05
26 05 36 00-2344		EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	166.40	23.77
26 05 36 00-2345		EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	206.88	28.07
26 05 36 00-2346		EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	225.75	32.23

26 05 36 00-2347 12" Radius Horizontal Tees *(26 05 36 00-2266)*

26 05 36 00-2348		EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	99.86	13.97
26 05 36 00-2349		EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	108.13	16.11
26 05 36 00-2350		EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	122.32	18.94
26 05 36 00-2351		EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	143.47	21.49
26 05 36 00-2352		EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	177.61	24.85
26 05 36 00-2353		EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	219.74	35.72
26 05 36 00-2354		EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	265.09	42.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	148.73	14.64
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	167.00	17.05
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	188.91	20.15
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	220.08	23.10
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	333.89	26.86
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	387.51	40.29
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	438.76	49.56
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	252.61	15.31
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	261.69	17.87
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	291.63	21.49
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	330.66	24.85
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	417.01	29.28
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	490.47	46.20
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	563.50	58.43
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	148.69	18.94
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	157.88	20.15
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	174.54	21.49
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	208.69	24.85
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	253.15	35.72
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	300.87	42.85
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	342.02	46.07
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	263.10	20.15
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	282.07	21.49
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	303.74	23.10
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	353.02	26.86
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	435.27	40.29
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	512.76	49.56
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	555.47	53.59
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	403.98	21.49
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	423.27	23.10
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	454.96	24.85
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	503.06	29.28
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	638.62	46.07
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	743.21	58.69
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	812.60	64.47
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	75.35	10.07
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	80.83	11.95
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	80.83	11.95
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	91.35	14.64
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	91.34	14.64
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	100.96	16.11
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	110.47	16.11
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	116.77	18.40
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	120.33	18.40
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	122.78	18.40
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	129.12	20.15
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	131.52	20.15
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	132.71	20.15
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	133.91	20.15
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	11.81	3.23
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	13.89	3.49
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	17.14	4.03
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	70.05	23.10
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	79.48	23.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	83.54	24.85
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	95.70	25.79
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	91.02	25.79
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	98.62	26.86
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	114.69	28.07
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	141.45	29.28
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	113.33	29.28
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	126.15	30.75
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	141.60	32.23
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	178.39	33.98
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	80.06	23.91
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	88.23	24.85
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	95.70	25.79
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	109.16	26.86
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	109.16	26.86
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	127.57	28.07
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	140.28	29.28
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	173.02	30.75
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	121.71	28.07
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	134.42	29.28
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	158.96	30.75
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	200.19	32.23
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	88.66	26.86
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	95.94	28.07
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	105.13	29.28
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	121.47	30.75
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	111.17	28.07
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	129.73	29.28
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	143.73	30.75
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	175.58	32.23
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	123.87	29.28
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	143.73	30.75
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	175.58	32.23
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	213.54	33.98
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	77.61	19.48
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	86.24	21.49
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	104.20	23.91
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	11.67	3.09
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	13.77	3.36
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	16.95	3.76
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	63.25	22.29
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	69.30	23.10
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	75.90	23.91
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	87.10	24.85
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	84.81	24.85
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	93.30	25.79
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	107.62	26.86
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	132.50	28.07
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	113.06	28.07
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	134.66	29.28
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	162.09	30.75
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	198.96	32.23
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	75.36	23.10
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	82.64	23.91
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	90.53	24.85
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	101.30	25.79
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	100.16	25.79
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	115.62	26.86
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	130.21	28.07
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	163.24	29.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	133.92	26.86
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	161.08	28.07
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	188.40	29.28
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	227.28	30.75
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	83.46	25.79
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	92.75	26.86
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	97.05	28.07
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	108.35	29.28
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	104.18	26.86
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	127.92	28.07
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	138.09	29.28
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	172.39	30.75
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	137.07	28.07
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	170.11	29.28
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	194.11	30.75
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	225.26	32.23
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	72.38	18.40
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	79.32	20.15
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	97.67	22.29
26 05 36 00-2506		**Cable Tray Wall Brackets** *(26 05 36 00-0001)*		
26 05 36 00-2507		**Wall Brackets** *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	95.80	26.86
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	99.27	28.07
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	108.72	29.28
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	115.38	30.75
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	125.24	32.23
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	148.47	33.98
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	177.18	36.26
26 05 36 00-2515		**Fiberglass Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2516		**Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)*		
		Note: Excludes hangers and support system.		
26 05 36 00-2517		**Straight Tray Sections** *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.52	3.63
		For 9" Rung Spacing, Add	*0.32*	
		For 6" Rung Spacing, Add	*1.37*	
		For 4" Rung Spacing, Add	*2.52*	
		For 18" Rung Spacing, Deduct	*-0.23*	
		For Solid Bottom, Add	*3.55*	
		For Vented Trough Bottom, Add	*4.33*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	16.16	4.43
		For 9" Rung Spacing, Add	*0.33*	
		For 6" Rung Spacing, Add	*1.42*	
		For 4" Rung Spacing, Add	*2.60*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.84*	
		For Vented Trough Bottom, Add	*4.62*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	17.77	5.37
		For 9" Rung Spacing, Add	*0.34*	
		For 6" Rung Spacing, Add	*1.46*	
		For 4" Rung Spacing, Add	*2.67*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*4.12*	
		For Vented Trough Bottom, Add	*4.89*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	21.18	7.11
		For 9" Rung Spacing, Add	*0.37*	
		For 6" Rung Spacing, Add	*1.57*	
		For 4" Rung Spacing, Add	*2.87*	
		For 18" Rung Spacing, Deduct	*-0.26*	
		For Solid Bottom, Add	*4.74*	
		For Vented Trough Bottom, Add	*5.52*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	24.58	9.00
		For 9" Rung Spacing, Add	*0.39*	
		For 6" Rung Spacing, Add	*1.67*	
		For 4" Rung Spacing, Add	*3.07*	
		For 18" Rung Spacing, Deduct	*-0.28*	
		For Solid Bottom, Add	*5.36*	
		For Vented Trough Bottom, Add	*6.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	26.86	9.80
		For 9" Rung Spacing, Add	*0.42*	
		For 6" Rung Spacing, Add	*1.81*	
		For 4" Rung Spacing, Add	*3.32*	
		For 18" Rung Spacing, Deduct	*-0.30*	
		For Solid Bottom, Add	*5.84*	
		For Vented Trough Bottom, Add	*6.68*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	29.19	10.74
		For 9" Rung Spacing, Add	*0.46*	
		For 6" Rung Spacing, Add	*1.96*	
		For 4" Rung Spacing, Add	*3.60*	
		For 18" Rung Spacing, Deduct	*-0.33*	
		For Solid Bottom, Add	*6.34*	
		For Vented Trough Bottom, Add	*7.25*	
26 05 36 00-2525		**90 Degree Horizontal Elbows** *(26 05 36 00-2516)*		
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	77.30	26.86
		For 9" Rung Spacing, Add	*1.30*	
		For 6" Rung Spacing, Add	*5.55*	
		For 4" Rung Spacing, Add	*10.18*	
		For 18" Rung Spacing, Deduct	*-0.93*	
		For Solid Bottom, Add	*17.15*	
		For Vented Trough Bottom, Add	*19.84*	
		For 60 Degree Bend, Deduct	*-16.24*	
		For 45 Degree Bend, Deduct	*-22.33*	
		For 30 Degree Bend, Deduct	*-28.41*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	86.14	31.29
		For 9" Rung Spacing, Add	*1.37*	
		For 6" Rung Spacing, Add	*5.87*	
		For 4" Rung Spacing, Add	*10.76*	
		For 18" Rung Spacing, Deduct	*-0.98*	
		For Solid Bottom, Add	*18.79*	
		For Vented Trough Bottom, Add	*21.53*	
		For 60 Degree Bend, Deduct	*-17.62*	
		For 45 Degree Bend, Deduct	*-24.27*	
		For 30 Degree Bend, Deduct	*-30.93*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	100.36	39.35
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.19*	
		For 4" Rung Spacing, Add	*11.35*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For Solid Bottom, Add	*21.24*	
		For Vented Trough Bottom, Add	*23.89*	
		For 60 Degree Bend, Deduct	*-19.53*	
		For 45 Degree Bend, Deduct	*-27.02*	
		For 30 Degree Bend, Deduct	*-34.51*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	118.57	47.55
		For 9" Rung Spacing, Add	*1.66*	
		For 6" Rung Spacing, Add	*7.11*	
		For 4" Rung Spacing, Add	*13.03*	
		For 18" Rung Spacing, Deduct	*-1.18*	
		For Solid Bottom, Add	*24.89*	
		For Vented Trough Bottom, Add	*27.85*	
		For 60 Degree Bend, Deduct	*-22.76*	
		For 45 Degree Bend, Deduct	*-31.53*	
		For 30 Degree Bend, Deduct	*-40.30*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	134.02	54.66
		For 9" Rung Spacing, Add	*1.82*	
		For 6" Rung Spacing, Add	*7.82*	
		For 4" Rung Spacing, Add	*14.33*	
		For 18" Rung Spacing, Deduct	*-1.30*	
		For Solid Bottom, Add	*27.92*	
		For Vented Trough Bottom, Add	*31.08*	
		For 60 Degree Bend, Deduct	*-25.39*	
		For 45 Degree Bend, Deduct	*-35.21*	
		For 30 Degree Bend, Deduct	*-45.04*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	147.18	58.29
		For 9" Rung Spacing, Add	*2.10*	
		For 6" Rung Spacing, Add	*8.98*	
		For 4" Rung Spacing, Add	*16.47*	
		For 18" Rung Spacing, Deduct	*-1.50*	
		For Solid Bottom, Add	*31.06*	
		For Vented Trough Bottom, Add	*34.86*	
		For 60 Degree Bend, Deduct	*-28.49*	
		For 45 Degree Bend, Deduct	*-39.44*	
		For 30 Degree Bend, Deduct	*-50.39*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	162.80	62.73
		For 9" Rung Spacing, Add	*2.41*	
		For 6" Rung Spacing, Add	*10.32*	
		For 4" Rung Spacing, Add	*18.91*	
		For 18" Rung Spacing, Deduct	*-1.72*	
		For Solid Bottom, Add	*34.74*	
		For Vented Trough Bottom, Add	*39.26*	
		For 60 Degree Bend, Deduct	*-32.10*	
		For 45 Degree Bend, Deduct	*-44.37*	
		For 30 Degree Bend, Deduct	*-56.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2533		**Inside Or Outside Vertical Risers** *(26 05 36 00-2516)*		
26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	115.97	26.86
		For 9" Rung Spacing, Add	*2.65*	
		For 6" Rung Spacing, Add	*11.35*	
		For 4" Rung Spacing, Add	*20.81*	
		For 18" Rung Spacing, Deduct	*-1.89*	
		For Solid Bottom, Add	*28.75*	
		For Vented Trough Bottom, Add	*35.31*	
		For 60 Degree Bend, Deduct	*-29.00*	
		For 45 Degree Bend, Deduct	*-39.34*	
		For 30 Degree Bend, Deduct	*-49.68*	
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	123.75	31.29
		For 9" Rung Spacing, Add	*2.69*	
		For 6" Rung Spacing, Add	*11.51*	
		For 4" Rung Spacing, Add	*21.11*	
		For 18" Rung Spacing, Deduct	*-1.92*	
		For Solid Bottom, Add	*30.08*	
		For Vented Trough Bottom, Add	*36.58*	
		For 60 Degree Bend, Deduct	*-30.03*	
		For 45 Degree Bend, Deduct	*-40.82*	
		For 30 Degree Bend, Deduct	*-51.61*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	136.90	39.35
		For 9" Rung Spacing, Add	*2.72*	
		For 6" Rung Spacing, Add	*11.67*	
		For 4" Rung Spacing, Add	*21.40*	
		For 18" Rung Spacing, Deduct	*-1.95*	
		For Solid Bottom, Add	*32.21*	
		For Vented Trough Bottom, Add	*38.51*	
		For 60 Degree Bend, Deduct	*-31.58*	
		For 45 Degree Bend, Deduct	*-43.10*	
		For 30 Degree Bend, Deduct	*-54.61*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	151.34	47.55
		For 9" Rung Spacing, Add	*2.81*	
		For 6" Rung Spacing, Add	*12.02*	
		For 4" Rung Spacing, Add	*22.04*	
		For 18" Rung Spacing, Deduct	*-2.00*	
		For Solid Bottom, Add	*34.73*	
		For Vented Trough Bottom, Add	*40.96*	
		For 60 Degree Bend, Deduct	*-33.57*	
		For 45 Degree Bend, Deduct	*-45.95*	
		For 30 Degree Bend, Deduct	*-58.32*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	164.20	54.66
		For 9" Rung Spacing, Add	*2.88*	
		For 6" Rung Spacing, Add	*12.34*	
		For 4" Rung Spacing, Add	*22.63*	
		For 18" Rung Spacing, Deduct	*-2.06*	
		For Solid Bottom, Add	*36.97*	
		For Vented Trough Bottom, Add	*43.15*	
		For 60 Degree Bend, Deduct	*-35.34*	
		For 45 Degree Bend, Deduct	*-48.49*	
		For 30 Degree Bend, Deduct	*-61.64*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	171.70	58.29
		For 9" Rung Spacing, Add	*2.95*	
		For 6" Rung Spacing, Add	*12.66*	
		For 4" Rung Spacing, Add	*23.21*	
		For 18" Rung Spacing, Deduct	*-2.11*	
		For Solid Bottom, Add	*38.42*	
		For Vented Trough Bottom, Add	*44.67*	
		For 60 Degree Bend, Deduct	*-36.58*	
		For 45 Degree Bend, Deduct	*-50.23*	
		For 30 Degree Bend, Deduct	*-63.88*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	187.26	62.73
		For 9" Rung Spacing, Add	*3.26*	
		For 6" Rung Spacing, Add	*13.99*	
		For 4" Rung Spacing, Add	*25.64*	
		For 18" Rung Spacing, Deduct	*-2.33*	
		For Solid Bottom, Add	*42.08*	
		For Vented Trough Bottom, Add	*49.05*	
		For 60 Degree Bend, Deduct	*-40.17*	
		For 45 Degree Bend, Deduct	*-55.13*	
		For 30 Degree Bend, Deduct	*-70.09*	
26 05 36 00-2541		**Horizontal Tees** *(26 05 36 00-2516)*		
26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	166.04	67.15
		For 9" Rung Spacing, Add	*2.29*	
		For 6" Rung Spacing, Add	*9.80*	
		For 4" Rung Spacing, Add	*17.96*	
		For 18" Rung Spacing, Deduct	*-1.63*	
		For Solid Bottom, Add	*34.70*	
		For Vented Trough Bottom, Add	*38.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	186.09	78.84
		For 9" Rung Spacing, Add	*2.38*	
		For 6" Rung Spacing, Add	*10.18*	
		For 4" Rung Spacing, Add	*18.67*	
		For 18" Rung Spacing, Deduct	*-1.70*	
		For Solid Bottom, Add	*38.10*	
		For Vented Trough Bottom, Add	*41.93*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	211.51	94.02
		For 9" Rung Spacing, Add	*2.47*	
		For 6" Rung Spacing, Add	*10.57*	
		For 4" Rung Spacing, Add	*19.38*	
		For 18" Rung Spacing, Deduct	*-1.76*	
		For Solid Bottom, Add	*42.30*	
		For Vented Trough Bottom, Add	*45.82*	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	236.05	105.70
		For 9" Rung Spacing, Add	*2.71*	
		For 6" Rung Spacing, Add	*11.64*	
		For 4" Rung Spacing, Add	*21.33*	
		For 18" Rung Spacing, Deduct	*-1.94*	
		For Solid Bottom, Add	*47.04*	
		For Vented Trough Bottom, Add	*50.84*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	248.42	110.13
		For 9" Rung Spacing, Add	*2.91*	
		For 6" Rung Spacing, Add	*12.48*	
		For 4" Rung Spacing, Add	*22.89*	
		For 18" Rung Spacing, Deduct	*-2.08*	
		For Solid Bottom, Add	*49.75*	
		For Vented Trough Bottom, Add	*53.94*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	266.55	116.44
		For 9" Rung Spacing, Add	*3.22*	
		For 6" Rung Spacing, Add	*13.79*	
		For 4" Rung Spacing, Add	*25.29*	
		For 18" Rung Spacing, Deduct	*-2.30*	
		For Solid Bottom, Add	*53.78*	
		For Vented Trough Bottom, Add	*58.61*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	289.62	125.44
		For 9" Rung Spacing, Add	*3.56*	
		For 6" Rung Spacing, Add	*15.24*	
		For 4" Rung Spacing, Add	*27.93*	
		For 18" Rung Spacing, Deduct	*-2.54*	
		For Solid Bottom, Add	*58.68*	
		For Vented Trough Bottom, Add	*64.14*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	258.30	116.44
		For 9" Rung Spacing, Add	*2.93*	
		For 6" Rung Spacing, Add	*12.56*	
		For 4" Rung Spacing, Add	*23.02*	
		For 18" Rung Spacing, Deduct	*-2.09*	
		For Solid Bottom, Add	*51.30*	
		For Vented Trough Bottom, Add	*55.31*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	274.20	125.44
		For 9" Rung Spacing, Add	*3.02*	
		For 6" Rung Spacing, Add	*12.93*	
		For 4" Rung Spacing, Add	*23.70*	
		For 18" Rung Spacing, Deduct	*-2.15*	
		For Solid Bottom, Add	*54.06*	
		For Vented Trough Bottom, Add	*57.97*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	290.12	134.44
		For 9" Rung Spacing, Add	*3.10*	
		For 6" Rung Spacing, Add	*13.30*	
		For 4" Rung Spacing, Add	*24.38*	
		For 18" Rung Spacing, Deduct	*-2.22*	
		For Solid Bottom, Add	*56.82*	
		For Vented Trough Bottom, Add	*60.64*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	310.61	143.31
		For 9" Rung Spacing, Add	*3.35*	
		For 6" Rung Spacing, Add	*14.36*	
		For 4" Rung Spacing, Add	*26.32*	
		For 18" Rung Spacing, Deduct	*-2.39*	
		For Solid Bottom, Add	*60.95*	
		For Vented Trough Bottom, Add	*65.15*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	329.46	152.30
		For 9" Rung Spacing, Add	*3.54*	
		For 6" Rung Spacing, Add	*15.17*	
		For 4" Rung Spacing, Add	*27.81*	
		For 18" Rung Spacing, Deduct	*-2.53*	
		For Solid Bottom, Add	*64.59*	
		For Vented Trough Bottom, Add	*69.00*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	351.85	161.30
		For 9" Rung Spacing, Add	*3.85*	
		For 6" Rung Spacing, Add	*16.52*	
		For 4" Rung Spacing, Add	*30.28*	
		For 18" Rung Spacing, Deduct	*-2.75*	
		For Solid Bottom, Add	*69.29*	
		For Vented Trough Bottom, Add	*74.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	380.85	172.86
		For 9" Rung Spacing, Add	*4.26*	
		For 6" Rung Spacing, Add	*18.24*	
		For 4" Rung Spacing, Add	*33.45*	
		For 18" Rung Spacing, Deduct	*-3.04*	
		For Solid Bottom, Add	*75.37*	
		For Vented Trough Bottom, Add	*81.05*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	159.43	67.15
		For 9" Rung Spacing, Add	*2.05*	
		For 6" Rung Spacing, Add	*8.81*	
		For 4" Rung Spacing, Add	*16.14*	
		For 18" Rung Spacing, Deduct	*-1.47*	
		For Solid Bottom, Add	*32.72*	
		For Vented Trough Bottom, Add	*36.07*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	168.53	71.72
		For 9" Rung Spacing, Add	*2.14*	
		For 6" Rung Spacing, Add	*9.16*	
		For 4" Rung Spacing, Add	*16.80*	
		For 18" Rung Spacing, Deduct	*-1.53*	
		For Solid Bottom, Add	*34.44*	
		For Vented Trough Bottom, Add	*37.86*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	204.44	94.02
		For 9" Rung Spacing, Add	*2.22*	
		For 6" Rung Spacing, Add	*9.51*	
		For 4" Rung Spacing, Add	*17.44*	
		For 18" Rung Spacing, Deduct	*-1.59*	
		For Solid Bottom, Add	*40.18*	
		For Vented Trough Bottom, Add	*43.00*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	228.28	105.70
		For 9" Rung Spacing, Add	*2.44*	
		For 6" Rung Spacing, Add	*10.47*	
		For 4" Rung Spacing, Add	*19.19*	
		For 18" Rung Spacing, Deduct	*-1.74*	
		For Solid Bottom, Add	*44.71*	
		For Vented Trough Bottom, Add	*47.73*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	239.94	110.13
		For 9" Rung Spacing, Add	*2.62*	
		For 6" Rung Spacing, Add	*11.21*	
		For 4" Rung Spacing, Add	*20.55*	
		For 18" Rung Spacing, Deduct	*-1.87*	
		For Solid Bottom, Add	*47.20*	
		For Vented Trough Bottom, Add	*50.55*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	257.35	116.44
		For 9" Rung Spacing, Add	*2.90*	
		For 6" Rung Spacing, Add	*12.41*	
		For 4" Rung Spacing, Add	*22.76*	
		For 18" Rung Spacing, Deduct	*-2.07*	
		For Solid Bottom, Add	*51.02*	
		For Vented Trough Bottom, Add	*54.93*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	279.46	125.44
		For 9" Rung Spacing, Add	*3.20*	
		For 6" Rung Spacing, Add	*13.71*	
		For 4" Rung Spacing, Add	*25.14*	
		For 18" Rung Spacing, Deduct	*-2.29*	
		For Solid Bottom, Add	*55.63*	
		For Vented Trough Bottom, Add	*60.07*	

26 05 36 00-2565 Straight Reducers *(26 05 36 00-2516)*

26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	73.53	26.86
		For 9" Rung Spacing, Add	*1.16*	
		For 6" Rung Spacing, Add	*4.99*	
		For 4" Rung Spacing, Add	*9.14*	
		For 18" Rung Spacing, Deduct	*-0.83*	
		For Solid Bottom, Add	*16.02*	
		For Vented Trough Bottom, Add	*18.33*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	80.73	31.29
		For 9" Rung Spacing, Add	*1.18*	
		For 6" Rung Spacing, Add	*5.06*	
		For 4" Rung Spacing, Add	*9.28*	
		For 18" Rung Spacing, Deduct	*-0.84*	
		For Solid Bottom, Add	*17.17*	
		For Vented Trough Bottom, Add	*19.37*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	87.91	35.86
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.13*	
		For 4" Rung Spacing, Add	*9.40*	
		For 18" Rung Spacing, Deduct	*-0.85*	
		For Solid Bottom, Add	*18.32*	
		For Vented Trough Bottom, Add	*20.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	94.46	39.35
		For 9" Rung Spacing, Add	*1.24*	
		For 6" Rung Spacing, Add	*5.30*	
		For 4" Rung Spacing, Add	*9.72*	
		For 18" Rung Spacing, Deduct	*-0.88*	
		For Solid Bottom, Add	*19.47*	
		For Vented Trough Bottom, Add	*21.53*	
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	105.73	42.98
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.19*	
		For 4" Rung Spacing, Add	*11.35*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For Solid Bottom, Add	*22.05*	
		For Vented Trough Bottom, Add	*24.56*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	119.11	47.55
		For 9" Rung Spacing, Add	*1.68*	
		For 6" Rung Spacing, Add	*7.19*	
		For 4" Rung Spacing, Add	*13.18*	
		For 18" Rung Spacing, Deduct	*-1.20*	
		For Solid Bottom, Add	*25.06*	
		For Vented Trough Bottom, Add	*28.07*	

26 05 36 00-2572 Vertical Tees *(26 05 36 00-2516)*

26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	225.45	67.15
		For 9" Rung Spacing, Add	*4.37*	
		For 6" Rung Spacing, Add	*18.71*	
		For 4" Rung Spacing, Add	*34.30*	
		For 18" Rung Spacing, Deduct	*-3.12*	
		For Solid Bottom, Add	*52.53*	
		For Vented Trough Bottom, Add	*62.48*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	233.70	71.72
		For 9" Rung Spacing, Add	*4.42*	
		For 6" Rung Spacing, Add	*18.94*	
		For 4" Rung Spacing, Add	*34.72*	
		For 18" Rung Spacing, Deduct	*-3.16*	
		For Solid Bottom, Add	*54.00*	
		For Vented Trough Bottom, Add	*63.94*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	268.80	94.02
		For 9" Rung Spacing, Add	*4.47*	
		For 6" Rung Spacing, Add	*19.17*	
		For 4" Rung Spacing, Add	*35.14*	
		For 18" Rung Spacing, Deduct	*-3.19*	
		For Solid Bottom, Add	*59.49*	
		For Vented Trough Bottom, Add	*68.74*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	289.81	105.70
		For 9" Rung Spacing, Add	*4.60*	
		For 6" Rung Spacing, Add	*19.70*	
		For 4" Rung Spacing, Add	*36.11*	
		For 18" Rung Spacing, Deduct	*-3.28*	
		For Solid Bottom, Add	*63.17*	
		For Vented Trough Bottom, Add	*72.34*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	299.82	110.13
		For 9" Rung Spacing, Add	*4.71*	
		For 6" Rung Spacing, Add	*20.19*	
		For 4" Rung Spacing, Add	*37.02*	
		For 18" Rung Spacing, Deduct	*-3.37*	
		For Solid Bottom, Add	*65.17*	
		For Vented Trough Bottom, Add	*74.50*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	312.28	116.44
		For 9" Rung Spacing, Add	*4.82*	
		For 6" Rung Spacing, Add	*20.65*	
		For 4" Rung Spacing, Add	*37.86*	
		For 18" Rung Spacing, Deduct	*-3.44*	
		For Solid Bottom, Add	*67.49*	
		For Vented Trough Bottom, Add	*76.90*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	340.16	125.44
		For 9" Rung Spacing, Add	*5.32*	
		For 6" Rung Spacing, Add	*22.82*	
		For 4" Rung Spacing, Add	*41.83*	
		For 18" Rung Spacing, Deduct	*-3.80*	
		For Solid Bottom, Add	*73.84*	
		For Vented Trough Bottom, Add	*84.35*	

26 05 36 00-2580 Flextray™ Cable Tray *(26 05 36 00-0001)*

26 05 36 00-2581 Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*

Note: Includes splicing and splice bars.

26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	23.24	8.46
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.44	9.03
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.85	9.43
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.38	9.91
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.51	10.39
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.87	10.88
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.79	11.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.14	11.68
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.99	12.00
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.91	9.94
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.36	10.34
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.94	10.88
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.03	11.41
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.30	11.95
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	42.26	12.49
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.56	12.90
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.28	13.17
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	57.59	14.10
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.70	11.95
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	43.49	12.49
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.50	13.03
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.85	13.70
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	50.40	13.97
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	60.41	14.37

26 05 36 00-2606 Flextray™ Cable Tray Bends *(26 05 36 00-2580)*

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	17.46	6.31
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	21.33	6.71
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	29.85	9.40
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	47.15	14.91
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	67.02	20.82
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	89.69	27.26
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	104.12	34.12
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	124.22	40.96
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	155.98	48.09
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	22.38	7.38
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	32.40	10.34
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	52.39	16.38
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	74.08	22.84
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	98.22	29.95
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	119.26	37.47
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	144.33	44.99
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	185.16	52.79
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	288.08	70.51
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	57.99	17.87
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	87.04	24.98
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	113.78	32.64
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	137.45	40.96
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	162.89	49.02
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	241.59	57.62

26 05 36 00-2631 Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*

26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	44.41	17.73
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	46.87	17.73
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	51.05	17.73
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	61.36	19.34
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	65.01	19.34
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	66.24	19.34
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	67.32	19.34

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0001		**Underfloor Ducts** *(26 05 39)*		
26 05 39 00-0002		**Straight Duct Sections 10' Long, 14 Gauge Steel** *(26 05 39 00-0001)*		
26 05 39 00-0003		**Standard Ducts, 3.8 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	107.87	23.64
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	135.26	27.67
26 05 39 00-0006		**Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	177.28	29.95
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	202.74	33.18
26 05 39 00-0009		**Junction Boxes** *(26 05 39 00-0001)*		
26 05 39 00-0010		**One Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	270.58	47.00
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	305.57	50.36
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	482.68	47.00
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	333.23	50.36
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	525.34	66.21
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	731.61	71.98
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	1,098.46	47.55
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,262.75	50.36
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	130.67	17.32
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	134.47	17.32
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	75.35	17.32
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	76.86	17.32
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	75.35	20.15
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	76.86	20.15
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	50.67	26.86
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	79.55	26.86
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	108.99	26.86
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	110.89	28.34
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	98.50	4.03
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	116.62	56.41
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	130.36	56.41
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	144.19	56.41
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	130.36	63.13
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	158.34	63.13
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	144.19	67.15
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	144.19	67.15
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	158.34	67.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	104.53	49.69
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	122.86	49.69
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	142.40	49.69
26 05 39 00-0053		**Underfloor Duct Accessories** *(26 05 39 00-0001)*		
26 05 39 00-0054		**Plugs For Unused Junction Box Openings And Duct Ends** *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	31.00	4.03
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	31.70	4.03
26 05 39 00-0057		**Conduit Adapters** *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	38.85	6.71
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	41.38	6.71
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	40.24	6.71
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	41.65	6.71
26 05 39 00-0062		**Holders And Caps** *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	256.81	56.41
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	475.98	56.41
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.41	1.34
26 05 39 00-0066		**Underfloor Dust Pans** *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	106.69	7.37

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001		**Precast Concrete Trenches, One Piece Pedestrian Trench** *(26 05 43)* Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		**10" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	92.27	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	88.24	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	128.15	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	122.55	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	62.41	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	73.93	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	61.52	
26 05 43 00-0010		**20" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	116.95	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	109.82	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	158.46	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	151.96	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	78.06	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	113.77	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	76.93	
26 05 43 00-0018		**30" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	149.34	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	175.46	
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	186.86	
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	179.47	
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	112.02	
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	151.98	
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	96.03	
26 05 43 00-0026		**40" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	178.91	
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	172.18	
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	218.94	
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	210.71	
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	143.39	
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	194.31	
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	113.50	
26 05 43 00-0034		**Precast Concrete Trenches, One Piece Medium Vehicle Trench** *(26 05 43)* Note: Rated for 7,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0035		**10" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	112.06	
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	106.83	
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	155.61	
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	148.37	
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	73.41	
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	85.46	
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	74.71	
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	332.45	
26 05 43 00-0044		**20" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	141.11	
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	131.91	
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	190.31	
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	181.91	
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	90.79	
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	132.50	
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	93.42	
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	440.88	
26 05 43 00-0053		**30" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	142.00	
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	170.37	
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	223.12	
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	213.56	
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	129.58	
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	177.97	
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	116.93	
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	550.38	
26 05 43 00-0062		**40" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	211.86	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	203.17	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	259.36	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	248.70	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	165.88	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	227.50	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	137.66	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	748.30	
26 05 43 00-0071		**Precast Concrete Trenches, One Piece H20 Road Crossing Trench** *(26 05 43)* Note: H20 Rated for 32,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072		**10" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	242.55	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	230.83	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	302.99	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	288.20	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	232.89	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	221.73	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	293.33	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	279.13	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	160.38	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	217.09	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	145.05	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	201.42	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	111.93	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	360.77	
26 05 43 00-0087		**20" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	257.11	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	245.08	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	340.13	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	324.04	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	257.11	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	245.08	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	330.47	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	314.97	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	229.08	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	311.77	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	206.76	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	289.45	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	124.81	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	535.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0102		**30" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	303.56	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	289.79	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	375.34	
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	358.24	
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	293.89	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	280.70	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	365.67	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	348.85	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	305.52	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	404.56	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	276.20	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	375.24	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench	157.98	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	671.10	
26 05 43 00-0117		**40" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	335.09	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	320.30	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	412.55	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	393.98	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	325.43	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	311.23	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	402.88	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	384.89	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	379.14	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	501.75	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	343.16	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	465.76	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	190.81	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	912.58	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	1,059.14	345.30
		For Class 1 Pole, Add	*128.95*	
		For Class 2 Pole, Add	*73.69*	
		For Class 4 Pole, Deduct	*-36.84*	
		For Class 5 Pole, Deduct	*-110.53*	
		For Class 6 Pole, Deduct	*-147.38*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,266.48	383.10
		For Class 1 Pole, Add	*175.08*	
		For Class 2 Pole, Add	*100.05*	
		For Class 4 Pole, Deduct	*-50.02*	
		For Class 5 Pole, Deduct	*-150.07*	
		For Class 6 Pole, Deduct	*-200.09*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,642.27	506.69
		For Class 1 Pole, Add	*220.16*	
		For Class 2 Pole, Add	*125.81*	
		For Class 4 Pole, Deduct	*-62.90*	
		For Class 5 Pole, Deduct	*-188.71*	
		For Class 6 Pole, Deduct	*-251.62*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,878.37	557.29
		For Class 1 Pole, Add	*267.34*	
		For Class 2 Pole, Add	*152.77*	
		For Class 4 Pole, Deduct	*-76.38*	
		For Class 5 Pole, Deduct	*-229.15*	
		For Class 6 Pole, Deduct	*-305.53*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,146.12	620.70
		For Class 1 Pole, Add	*316.61*	
		For Class 2 Pole, Add	*180.92*	
		For Class 4 Pole, Deduct	*-90.46*	
		For Class 5 Pole, Deduct	*-271.38*	
		For Class 6 Pole, Deduct	*-361.84*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,441.57	696.62
		For Class 1 Pole, Add	*366.94*	
		For Class 2 Pole, Add	*209.68*	
		For Class 4 Pole, Deduct	*-104.84*	
		For Class 5 Pole, Deduct	*-314.52*	
		For Class 6 Pole, Deduct	*-419.36*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,730.66	766.21
		For Class 1 Pole, Add	*419.36*	
		For Class 2 Pole, Add	*239.63*	
		For Class 4 Pole, Deduct	*-119.82*	
		For Class 5 Pole, Deduct	*-359.45*	
		For Class 6 Pole, Deduct	*-479.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	3,051.14	842.56
		For Class 1 Pole, Add	*478.07*	
		For Class 2 Pole, Add	*273.18*	
		For Class 4 Pole, Deduct	*-136.59*	
		For Class 5 Pole, Deduct	*-409.77*	
		For Class 6 Pole, Deduct	*-546.36*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,984.00	918.33
		For Class 1 Pole, Add	*1,101.55*	
		For Class 2 Pole, Add	*629.46*	
		For Class 4 Pole, Deduct	*-314.73*	
		For Class 5 Pole, Deduct	*-944.19*	
		For Class 6 Pole, Deduct	*-1,258.92*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,472.34	976.88
		For Class 1 Pole, Add	*1,231.49*	
		For Class 2 Pole, Add	*703.71*	
		For Class 4 Pole, Deduct	*-351.86*	
		For Class 5 Pole, Deduct	*-1,055.57*	
		For Class 6 Pole, Deduct	*-1,407.42*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	6,014.59	1,043.38
		For Class 1 Pole, Add	*1,374.72*	
		For Class 2 Pole, Add	*785.56*	
		For Class 4 Pole, Deduct	*-392.78*	
		For Class 5 Pole, Deduct	*-1,178.33*	
		For Class 6 Pole, Deduct	*-1,571.11*	
26 05 46 00-0014		**Removal And Relocation Of Wood Poles With Cross Arm** *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	29.42	
26 05 46 00-0016		**Crossarms** *(26 05 46)*		
		Note: Includes hardware and braces.		
26 05 46 00-0017		**Wood Single Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	250.37	102.99
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	302.84	102.99
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	318.04	132.41
26 05 46 00-0021		**Wood Double Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	645.45	286.88
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	687.10	286.88
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	715.46	286.88
26 05 46 00-0025		**Fiberglass Crossarms** *(26 05 46 00-0016)*		
		Note: Includes hardware.		
26 05 46 00-0026		**Single Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	288.59	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	363.95	61.79
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	378.67	66.20
26 05 46 00-0030		**Two Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	453.45	79.44
26 05 46 00-0032		**Fiberglass Crossarm Accessories** *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	708.41	101.52
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	839.89	123.58
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	123.20	17.65
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	616.01	88.27
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	487.29	147.12
26 05 46 00-0038		**Insulator Support System** *(26 05 46 00-0016)*		
26 05 46 00-0039		**Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	146.36	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	119.24	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	342.23	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	233.26	
26 05 46 00-0044		**Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	103.78	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	90.85	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	313.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0048		**Guying** *(26 05 46)* Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	996.12	411.94
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	1,012.58	411.94
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	1,046.45	411.94
26 05 46 00-0053	EA	Guy Guard, Plastic	37.95	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,446.49	632.62
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,446.49	632.62
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,446.49	632.62
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)* Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	623.37	308.96
26 05 46 00-0060		**Pole Anchor** *(26 05 46 00-0048)* Note: Joslyn.		
26 05 46 00-0061	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	70.98	29.84
26 05 46 00-0062	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	80.64	29.84
26 05 46 00-0063	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	108.05	33.57
26 05 46 00-0064	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	152.61	37.31
26 05 46 00-0065	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	174.43	41.03
26 05 46 00-0066	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	280.66	55.95
26 05 46 00-0067		**Insulators** *(26 05 46)*		
26 05 46 00-0068		**Pin Insulator With Pin** *(26 05 46 00-0067)*		
26 05 46 00-0069	EA	5 KV Class 55-3, Pin Insulator With Pin	197.03	88.27
26 05 46 00-0070	EA	15 KV Class 55-5, Pin Insulator With Pin	202.47	88.27
26 05 46 00-0071		**Suspension Insulator** *(26 05 46 00-0067)* Note: Includes clevis and strain clamp.		
26 05 46 00-0072	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	249.81	117.69
26 05 46 00-0073	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	264.59	117.69
26 05 46 00-0074	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	370.45	147.12
26 05 46 00-0075	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	585.77	235.39
26 05 46 00-0076		**Spool Insulator With Clevis** *(26 05 46 00-0067)*		
26 05 46 00-0077	EA	5 KV Class 53-5, Spool Insulator With Clevis	83.18	36.78
26 05 46 00-0078	EA	15 KV Class, Spool Insulator With Clevis	266.41	132.41
26 05 46 00-0079	EA	25 KV Class, Spool Insulator With Clevis	345.57	132.41
26 05 46 00-0080		**Secondary Rack** *(26 05 46 00-0067)*		
26 05 46 00-0081	EA	1 Spool Secondary Rack	165.28	73.56
26 05 46 00-0082	EA	2 Spool Secondary Rack	170.06	93.86
26 05 46 00-0083	EA	3 Spool Secondary Rack	254.67	125.05
26 05 46 00-0084	EA	4 Spool Secondary Rack	286.32	125.05
26 05 46 00-0085		**Outdoor Load Break Switches** *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0087	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,856.77	500.21
26 05 46 00-0088	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,598.54	500.21
26 05 46 00-0089	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,286.81	845.94
26 05 46 00-0090	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,591.02	845.94
26 05 46 00-0091		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0092	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,190.43	500.21
26 05 46 00-0093	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,738.91	500.21
26 05 46 00-0094	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,286.81	845.94
26 05 46 00-0095	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,591.02	845.94
26 05 46 00-0096		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0097	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,919.04	581.12
26 05 46 00-0098	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,025.39	581.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0099	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,024.35	1,000.42
26 05 46 00-0100	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,338.51	1,000.42
26 05 46 00-0101		Square Distribution Poles *(26 05 46)*		
26 05 46 00-0102		Square Steel Tapered Shaft Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole	3,553.15	625.26
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole	3,974.22	662.04
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole	4,315.27	735.60
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole	4,773.92	809.16
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole	6,430.97	882.72
26 05 46 00-0108		Square Prestressed Concrete Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution	5,507.54	1,117.96
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution	6,219.06	1,226.15
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution	7,295.67	1,370.40
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution	8,220.16	1,514.66
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution	6,398.52	1,839.23
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution	11,593.20	2,163.80
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution	13,675.96	2,452.31
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution	16,509.15	3,029.32
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution	18,490.87	3,317.82
26 05 46 00-0118		Aluminum Tapered Poles *(26 05 46)*		
26 05 46 00-0119		Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,830.14	551.70
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,368.61	588.48
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,176.24	662.04
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,334.09	735.60
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,147.77	809.16
26 05 46 00-0125		Steel Service Poles Distribution *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126		Round Tapered Pole *(26 05 46 00-0125)*		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,333.41	882.72
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,200.69	956.28
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,606.09	1,029.84
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,781.10	1,176.96
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,628.60	1,324.08
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution	11,396.67	1,694.97
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution	12,685.30	1,922.89
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution	14,020.36	2,163.80
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution	15,730.54	2,452.31
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution	16,810.53	2,596.55
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution	18,238.72	2,885.06
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution	20,069.68	3,245.69
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution	22,145.86	3,678.45
26 05 46 00-0140		12 Sided Tapered *(26 05 46 00-0125)*		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,158.15	882.72
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,108.29	956.28
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,195.98	1,029.84
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,298.53	1,176.96
26 05 46 00-0145	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,358.27	1,324.08
26 05 46 00-0146	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,167.73	1,694.97
26 05 46 00-0147	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,048.28	1,922.89
26 05 46 00-0148	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,646.94	2,163.80
26 05 46 00-0149	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,346.29	2,452.31
26 05 46 00-0150	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,793.83	2,596.55
26 05 46 00-0151	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,284.28	2,885.06
26 05 46 00-0152	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	31,084.28	3,245.69
26 05 46 00-0153	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,232.77	3,678.45
26 05 46 00-0154	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	35,532.03	4,111.21
26 05 46 00-0155		Standard Options For Round, 12 Sided and Octagonal Tapered Poles *(26 05 46 00-0125)*		
26 05 46 00-0156	EA	Ladder Clips	28.36	
26 05 46 00-0157	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	212.80	
26 05 46 00-0158	EA	Ground Sleeve-2' At Ground Line	214.04	
26 05 46 00-0159		Arms With Baseplates And Endplates *(26 05 46 00-0125)*		
26 05 46 00-0160	EA	4' Arm With Baseplate And Endplate	773.23	147.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0161	EA	5' Arm With Baseplate And Endplate	838.17	147.12
26 05 46 00-0162	EA	6' Arm With Baseplate And Endplate	1,051.38	220.68
26 05 46 00-0163	EA	7' Arm With Baseplate And Endplate	1,108.18	220.68
26 05 46 00-0164	EA	8' Arm With Baseplate And Endplate	1,319.15	294.24
26 05 46 00-0165	EA	9' Arm With Baseplate And Endplate	1,384.06	294.24
26 05 46 00-0166	EA	10' Arm With Baseplate And Endplate	1,831.61	367.80
26 05 46 00-0167	EA	11' Arm With Baseplate And Endplate	1,904.48	367.80
26 05 46 00-0168		**Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0125)*		
26 05 46 00-0169	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	347.80	147.12
26 05 46 00-0170	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	387.59	147.12
26 05 46 00-0171	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	442.00	147.12
26 05 46 00-0172		**Armless Construction Brackets** *(26 05 46 00-0125)*		
26 05 46 00-0173		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0172)*		
26 05 46 00-0174	EA	7" 1 Position Vertical Insulation And Equipment Bracket	354.29	147.12
26 05 46 00-0175	EA	12" 1 Position Vertical Insulation And Equipment Bracket	379.41	147.12
26 05 46 00-0176	EA	12" 3 Position Vertical Insulation And Equipment Bracket	420.23	147.12
26 05 46 00-0177	EA	18" 1 Position Vertical Insulation And Equipment Bracket	594.13	220.68
26 05 46 00-0178	EA	18" 3 Position Vertical Insulation And Equipment Bracket	617.96	220.68
26 05 46 00-0179		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0180	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	334.73	147.12
26 05 46 00-0181	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	387.52	147.12
26 05 46 00-0182	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	568.56	220.68
26 05 46 00-0183	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	693.15	220.68
26 05 46 00-0184	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	892.11	294.24
26 05 46 00-0185	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	958.24	294.24
26 05 46 00-0186		**Pole Top Bracket And Pins** *(26 05 46 00-0172)*		
26 05 46 00-0187	EA	Pole Top Pin - 5"	342.39	147.12
26 05 46 00-0188	EA	Pole Top Bracket - 5"	355.21	147.12
26 05 46 00-0189		**Angle Pins** *(26 05 46 00-0172)*		
26 05 46 00-0190	EA	Angle Pin - 25 Degree, 6"	340.66	147.12
26 05 46 00-0191	EA	Angle Pin - 25 Degree, 7 1/4"	382.29	147.12
26 05 46 00-0192		**Static And Neutral Wire Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0193	EA	Neutral Wire Extension Bracket	369.24	147.12
26 05 46 00-0194	EA	Static Wire Support Bracket	374.62	147.12
26 05 46 00-0195		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0196	EA	Cutout And Arrestor, With Mounting Bracket	336.46	147.12
26 05 46 00-0197	EA	Equipment Mounting T Bracket	364.09	147.12
26 05 46 00-0198	EA	15 KV Cutout	490.54	
26 05 46 00-0199	EA	9/10 KV Arrestor	451.67	147.12
26 05 46 00-0200		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0172)*		
26 05 46 00-0201	EA	Parallel Cable Spacer	407.84	147.12
26 05 46 00-0202	EA	Conduit Standoff Support Bracket	390.67	147.12
26 05 46 00-0203	EA	Three Transformer Pole Mounted Cluster Bracket	985.81	147.12
26 05 46 00-0204		**15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0172)* Note: Includes pole mounting bracket.		
26 05 46 00-0205	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,447.95	367.80
26 05 46 00-0206		**Octagonal Tapered** *(26 05 46 00-0125)*		
26 05 46 00-0207	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,442.42	882.72
26 05 46 00-0208	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,423.59	956.28
26 05 46 00-0209	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,547.45	1,029.84
26 05 46 00-0210	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,681.01	1,250.52
26 05 46 00-0211	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	16,885.48	1,324.08
26 05 46 00-0212	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,736.29	1,694.97
26 05 46 00-0213	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	21,709.88	1,803.16
26 05 46 00-0214	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,352.47	2,163.80
26 05 46 00-0215	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	25,093.16	2,308.05
26 05 46 00-0216	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	26,584.65	2,596.55
26 05 46 00-0217	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	30,186.22	2,740.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0218	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	32,032.74	3,245.69
26 05 46 00-0219	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	34,227.75	3,462.07
26 05 46 00-0220	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	36,578.70	3,894.84

26 05 46 00-0221 Removal And Relocation Of Steel Service Poles *(26 05 46 00-0125)*

26 05 46 00-0222	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	51.49	

26 05 46 00-0223 Special Steel Bases For Poles *(26 05 46 00-0125)*

26 05 46 00-0224	EA	Spin-In Steel Base For Poles	279.00	
26 05 46 00-0225	EA	Series 3, 25' Pole And less	306.82	73.56
26 05 46 00-0226	EA	Series 4, 40' Pole And less	364.39	84.59
26 05 46 00-0227	EA	Series 5, 50' Pole And less	414.58	91.95

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001 Conduit Markers Pressure-Sensitive *(26 05 53)*

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.04
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	15.71
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	17.07
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	17.33
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.60
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	18.01
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.08
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	21.62
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	22.02
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	22.44
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	23.27
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	24.17
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	24.97
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	25.76
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	28.26
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	29.73

26 05 53 00-0018 Labeling Existing Electrical Wires *(26 05 53)*

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Existing Wire	4.14

26 05 53 00-0020 Equipment Labeling *(26 05 53)*

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	15.10
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	14.20
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	20.43
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	15.10

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001 Tape Wrapped Compression Connectors *(26 05 83)*

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.69	6.04
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	19.37	6.71
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.93	7.38
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	24.15	8.06
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	26.00	8.73
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	28.80	9.40
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	30.86	10.07
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	33.60	10.74
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	37.20	12.08
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	39.03	12.76
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	43.35	13.43
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	47.13	14.10
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	52.63	15.44
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	61.01	17.45

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	23.13	17.45
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	23.30	17.45
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	26.36	18.81
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	32.59	20.82
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	45.78	26.86
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	53.62	26.86
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	61.71	26.86
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	76.01	40.29
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	89.10	40.29
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	104.26	40.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	125.71	53.73
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	149.08	80.58
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	170.54	80.58
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	183.29	80.58
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	199.61	94.02
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	218.24	94.02
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	237.17	107.44
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	278.79	120.87
26 05 83 00-0035		**Two Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	47.23	22.84
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	50.70	24.31
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	53.44	24.31
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	61.50	27.94
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	75.78	34.92
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	88.86	41.50
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	103.99	48.62
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	125.41	58.96
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	148.73	69.97
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	170.14	79.91
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	182.87	86.09
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	199.12	93.21
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	217.68	101.80
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	237.86	110.40
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	294.36	134.31
26 05 83 00-0051		**Tape Wrapped Split Bolt Connectors** *(26 05 83)*		
26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	70.58	53.73
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	77.61	57.76
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	88.47	60.44
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	102.70	67.15
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	121.21	73.87
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	135.86	80.58
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	169.80	87.30
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	182.17	94.02
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	192.00	100.73
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	218.98	110.80
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	245.96	161.17
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	269.39	134.31
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	292.81	181.31
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	324.76	188.03
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	367.66	201.46
26 05 83 00-0067		**Cable Termination Lugs Handwrapped, No Stress Cone** *(26 05 83)*		
26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	116.50	53.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.20*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	129.64	53.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.98*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	179.51	80.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.77*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	203.82	80.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.65*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	243.86	100.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.05*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	340.73	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.94*	
26 05 83 00-0074		**Terminal Blocks** *(26 05 83)*		
		Note: Labor excludes wire termination.		
26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,178.65	496.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*298.46*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	301.40	67.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.74*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	332.45	67.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.18*	
26 05 83 00-0078		**Parallel Gutter Tap Or Motor Connection** *(26 05 83)*		
26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	47.21	24.31
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	50.70	24.31
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	53.44	24.31
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	61.50	27.94
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	75.78	34.92
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	88.86	41.50
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	103.99	48.62
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	125.41	58.96
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	148.73	69.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	170.14	79.91
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	182.87	86.09
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	199.12	93.21
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	217.68	101.80
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	218.19	101.80
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	47.21	24.31
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	50.70	24.31
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	53.44	24.31
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	61.50	27.94
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	75.78	34.92
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	88.86	41.50
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	103.99	48.62
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	125.41	58.96
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	148.73	69.97
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	170.14	79.91
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	182.87	86.09
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	199.12	93.21
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	217.68	101.80
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	218.19	101.80

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	38.49	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	46.16	20.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	53.33	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	69.90	29.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.99*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	94.16	40.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.18*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	112.44	46.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.08*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	131.63	53.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.24*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	149.97	60.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.15*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	172.00	67.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	193.72	73.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.34*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	215.35	80.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	236.82	87.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.34*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	258.65	94.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.41*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	293.06	107.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.26*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	331.84	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	70.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	68.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.31	6.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.41	6.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.52	6.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	83.61	33.58
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	83.06	33.58
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	97.15	40.29
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	118.52	50.36
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.62	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.84	50.36
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.49	50.36
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.51	67.15
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.60	67.15
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	204.35	83.94
26 05 83 00-0142		AC Three Phase, 230 Volt *(26 05 83 00-0130)*		
26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	83.06	33.58
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	97.15	40.29
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	118.52	50.36
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.62	50.36
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.84	50.36
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.49	50.36
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.51	67.15
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.60	67.15
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	204.35	83.94
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	209.87	83.94
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	265.20	100.73
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	273.62	100.73
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	373.58	134.31
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	468.35	167.89
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	551.64	201.46
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	657.01	235.04
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	755.32	268.62
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	937.24	335.77
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,106.66	399.56
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,311.24	466.04
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,865.76	698.94
26 05 83 00-0164		AC Three Phase, 460 Volt *(26 05 83 00-0130)*		
26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	83.06	33.58
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	97.15	40.29
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	118.52	50.36
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.62	50.36
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.84	50.36
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.49	50.36
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.51	67.15
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.60	67.15
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	204.35	83.94
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	209.87	83.94
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	265.22	100.73
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	273.60	100.73
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	373.58	134.31
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	468.75	168.16
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	551.64	201.46
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	657.01	235.04
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	755.32	268.62
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	937.24	335.77
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,107.04	399.70
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,311.75	466.31
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,866.94	699.47
26 05 83 00-0186		AC Single Phase, 120 Volt *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	83.61	33.58
26 05 83 00-0188		Motor Moisture Sensor *(26 05 83 00-0130)*		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	822.45	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*
Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	592.60	107.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.47*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	735.70	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,387.84	188.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.82*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,171.76	255.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.11*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,578.54	335.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.46*	
26 09 23 00-0010		**3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0003)*		
26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	669.36	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	806.16	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,499.67	214.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.93*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,343.78	282.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.23*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,912.40	369.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.61*	
26 09 23 00-0016		**4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	790.38	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	952.35	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,819.05	241.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.05*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,811.55	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.34*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	6,290.18	402.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.75*	
26 09 23 00-0022		**NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0002)*		
26 09 23 00-0023		**2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,200.12	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,476.63	188.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.82*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,753.14	255.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.11*	
26 09 23 00-0027		**3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,750.58	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,709.72	214.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.93*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	4,135.53	282.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.23*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	9,796.17	369.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.61*	
26 09 23 00-0032		**4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,636.62	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,700.52	241.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.05*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,710.69	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.34*	
26 09 23 00-0036		**NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0002)*		
26 09 23 00-0037		**2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0036)*		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	994.12	107.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.47*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,268.05	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,449.42	188.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.82*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,679.56	255.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.11*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,152.09	335.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.46*	
26 09 23 00-0043		**3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0036)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,028.92	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,338.51	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,564.37	214.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.93*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,850.55	282.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.23*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,484.90	369.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.61*	
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,111.37	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,484.70	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,297.80	241.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.05*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,732.37	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.34*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	10,004.18	402.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.75*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,779.50	188.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.82*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,372.43	255.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.11*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,962.71	335.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.46*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,028.32	214.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.93*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,704.86	282.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.23*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,978.52	241.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.05*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,753.54	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.34*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	885.23	107.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.47*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,007.59	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,917.07	188.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.82*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,672.98	255.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.11*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,205.69	335.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.46*	
26 09 23 00-0074		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	944.99	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,080.12	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,032.02	214.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.93*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,846.03	282.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.23*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,980.57	369.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0080		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,019.49	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,150.55	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,379.42	241.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.05*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,343.90	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.34*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	8,436.19	402.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.75*	
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,337.80	107.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.47*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,539.94	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,981.77	188.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.82*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,180.78	255.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.11*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,777.15	335.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.46*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,412.30	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,612.47	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,096.72	214.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.93*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,354.88	282.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.23*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,554.11	369.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.61*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,492.48	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,682.90	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,858.17	241.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.05*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,264.72	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.34*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	12,074.43	402.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.75*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,003.85	120.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,880.19	214.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.82*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	2,562.65	255.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.11*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,150.69	335.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.46*	
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,064.97	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	8,333.11	402.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.75*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)* Note: Up to 600 volt.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,719.74	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,695.55	236.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.83*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,365.63	310.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.15*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,999.27	406.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.77*	
26 09 23 00-0123		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0124		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,137.78	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,880.99	236.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.83*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,179.25	310.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.15*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	12,877.59	406.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.77*	
26 09 23 00-0129		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0130		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0131		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,881.62	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,255.92	236.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.83*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,896.42	310.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.15*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	9,507.60	406.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.77*	
26 09 23 00-0136		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0137		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,301.22	147.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.64*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,444.47	236.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.83*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,711.60	310.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.15*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	14,385.91	406.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.77*	
26 09 23 00-0142		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	151.47	34.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.99*	
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	164.98	34.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0145		**Dimming Module System (Lutron Grafik Eye)** *(26 09 23)*		
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,818.83	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,345.33	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,881.22	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.59*	
26 09 23 00-0149		**Dimming Module Contol (Leviton)** *(26 09 23)*		
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	235.26	16.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 09 23 00-0151		**Light Control Panels** *(26 09 23)*		
26 09 23 00-0152		**Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0151)*		
26 09 23 00-0153		**Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0152)*		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	2,113.96	188.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.99*	
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,982.82	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,229.71	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,334.57	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,624.42	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,351.40	188.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.99*	
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,523.09	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,812.66	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,450.40	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,740.24	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0164		**Accessories For Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0152)*		
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	204.90	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	157.70	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	83.22	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0168		**Lighting Control Panels (Synergy)** *(26 09 23 00-0151)*		
26 09 23 00-0169		**Lighting Control Panels (Synergy)** *(26 09 23 00-0168)*		
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,884.96	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0171		**Accessories For Lighting Control Panels (Synergy)** *(26 09 23 00-0168)*		
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	705.71	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	273.39	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	156.35	20.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.11*	
26 09 23 00-0175		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0151)*		
26 09 23 00-0176		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0175)*		
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,352.10	201.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.06*	
26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,217.58	215.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.12*	
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,207.07	228.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.20*	
26 09 23 00-0180		**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0151)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,579.44	188.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.99*	
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,798.13	188.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.99*	
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	2,016.82	188.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.99*	
26 09 23 00-0184		**Power Filters** *(26 09 23 00-0151)*		
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	42,686.20	1,119.18
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	25,241.88	486.59
26 09 23 00-0187		**Signal Filters** *(26 09 23 00-0151)*		
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	19,562.32	1,017.51
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	13,377.90	621.84
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	7,463.37	361.02
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	10,159.89	361.02
26 09 23 00-0192		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,575.31	134.51
26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,584.12	134.51
26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,953.00	134.51
26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,672.73	134.51
26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	132.54	16.81
26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	204.48	16.81
26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	258.43	33.63
26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	311.31	33.63
26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	166.16	33.63
26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	238.10	33.63
26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	598.22	67.25
26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	450.43	67.25
26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	821.96	67.25
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	283.41	67.25
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	920.93	67.25
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,626.63	269.01
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,117.41	67.25
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	267.53	16.81
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	325.97	16.81
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	311.87	16.81
26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	325.97	16.81
26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	311.87	16.81
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	235.93	16.81
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	325.97	16.81
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	311.87	16.81
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	230.25	16.81
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	98.72	16.81
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	82.04	33.63
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	82.66	33.63
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	87.64	33.63
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	92.56	33.63
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	98.43	33.63
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	103.72	33.63
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	110.22	33.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	139.61	33.63
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	882.46	33.63
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	216.40	33.63
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,138.41	33.63
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	670.10	67.25
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	670.10	67.25
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	670.10	67.25
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	351.62	67.25
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	340.94	67.25
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	348.06	67.25
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	383.65	67.25
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	348.06	67.25
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	276.89	67.25
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	293.16	67.25
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	293.16	67.25
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	157.57	67.25
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	356.87	67.25
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	501.96	67.25
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	440.60	67.25
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	469.07	67.25
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	483.32	67.25
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	437.04	67.25
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	365.87	67.25
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	455.91	67.25
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	452.18	67.25
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	500.75	67.25
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	485.82	67.25
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	522.31	67.25
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	485.96	67.25
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	485.96	67.25
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	321.94	67.25
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	344.31	67.25
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	597.72	67.25
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	638.80	67.25
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	473.09	67.25
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	492.94	67.25
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,407.97	134.51
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,411.56	538.02
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,412.88	538.02
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,414.18	538.02
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	703.99	67.25
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	805.69	67.25
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,168.36	67.25
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB)	297.75	33.63
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	351.99	33.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	353.34	33.63
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	366.13	33.63
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	272.94	16.81
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	365.01	67.25
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	365.01	67.25
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	419.25	67.25
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	419.25	67.25
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	272.94	16.81
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	264.13	16.81
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	264.13	16.81
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	264.13	16.81
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	272.94	16.81
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	365.01	67.25
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	365.01	67.25
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	419.25	67.25
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	419.25	67.25
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	264.13	16.81
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	272.94	16.81
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	581.96	67.25
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	165.69	67.25
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	760.38	67.25
26 09 23 00-0310		**Lighting Control Sensors** *(26 09 23)*		
26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	404.92	30.26
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	404.92	30.26
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	354.93	30.26
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	107.24	20.18
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	8.81	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	69.68	
26 09 23 00-0317	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	12.45	
26 09 23 00-0318		**Radio Controlled Devices (Lutron)** *(26 09 23)*		
26 09 23 00-0319		**Tabletop Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0320		**Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	532.40	20.18
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	692.01	20.18
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	871.57	20.18
26 09 23 00-0324		**Dimmable Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	532.40	20.18
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	632.16	20.18
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	871.57	20.18
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	532.40	20.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	692.01	20.18
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	871.57	20.18
26 09 23 00-0331		**Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	692.01	20.18
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	871.57	20.18
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	871.57	20.18
26 09 23 00-0335		**Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	532.40	20.18
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	692.01	20.18
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	632.16	20.18
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	771.82	20.18
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	692.01	20.18
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	831.67	20.18
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	692.01	20.18
26 09 23 00-0343		**Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	532.40	20.18
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	692.01	20.18
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	692.01	20.18
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	871.57	20.18
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	692.01	20.18
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	871.57	20.18
26 09 23 00-0350		**Output Switch Closure Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	532.40	20.18
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	692.01	20.18
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	871.57	20.18
26 09 23 00-0354		**Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	113.43	20.18
26 09 23 00-0356		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	492.50	20.18
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	532.40	20.18
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	532.40	20.18
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	532.40	20.18
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	532.40	20.18
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	532.40	20.18
26 09 23 00-0363		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	492.50	20.18
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	492.50	20.18
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	492.50	20.18
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	999.26	20.18
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,430.20	20.18
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,430.20	20.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0370		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	632.16	20.18
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	711.96	20.18
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	831.67	20.18
26 09 23 00-0374		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	931.42	20.18
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,280.57	20.18
26 09 23 00-0377		**RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)*		
26 09 23 00-0378		**RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0377)*		
26 09 23 00-0379	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	145.64	26.90
26 09 23 00-0380	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	171.04	26.90
26 09 23 00-0381	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	265.71	26.90
26 09 23 00-0382	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	103.26	26.90
26 09 23 00-0383	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	125.45	26.90
26 09 23 00-0384	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	112.58	26.90
26 09 23 00-0385	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	135.22	26.90
26 09 23 00-0386		**RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0377)*		
26 09 23 00-0387	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	139.78	26.90
26 09 23 00-0388	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	151.50	26.90
26 09 23 00-0389	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	180.81	26.90
26 09 23 00-0390	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	194.25	33.63
26 09 23 00-0391	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	238.44	26.90
26 09 23 00-0392	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	80.67	26.90
26 09 23 00-0393	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	96.79	26.90
26 09 23 00-0394	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	86.55	26.90
26 09 23 00-0395	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	102.65	26.90
26 09 23 00-0396	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	270.00	47.07
26 09 23 00-0397		**Removal And Reinstallation Of Occupancy Sensors** *(26 09 23)*		
26 09 23 00-0398	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	90.80	
26 09 23 00-0399	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	60.53	
26 09 23 00-0400		**Occupancy Sensors (Watt Stopper)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0401		**Occupancy Sensors** *(26 09 23 00-0400)* Note: Exclude boxes.		
26 09 23 00-0402		**Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0401)*		
26 09 23 00-0403		**Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0402)*		
26 09 23 00-0404	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	148.87	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0405	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	175.88	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0406		**Passive Infrared, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0402)*		
26 09 23 00-0407	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	122.76	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0408	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	114.57	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0409	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	129.85	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0410		EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	150.50	13.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0411		EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	148.80	13.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0412			**Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0402)*		
26 09 23 00-0413		EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	217.01	13.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0414		EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	234.10	13.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0415			**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0402)*		
26 09 23 00-0416		EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.35	3.36
26 09 23 00-0417		EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.71	3.36
26 09 23 00-0418		EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.71	3.36
26 09 23 00-0419			**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0401)*		
26 09 23 00-0420			**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0421			**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0420)*		
26 09 23 00-0422		EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	195.74	30.26
26 09 23 00-0423		EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	225.12	30.26
26 09 23 00-0424		EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	254.71	30.26
26 09 23 00-0425		EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	252.04	30.26
26 09 23 00-0426			**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0420)*		
26 09 23 00-0427		EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	213.13	30.26
26 09 23 00-0428		EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	242.93	30.26
26 09 23 00-0429		EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	271.14	30.26
26 09 23 00-0430		EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	275.92	30.26
26 09 23 00-0431		EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	230.93	30.26
26 09 23 00-0432		EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	261.47	30.26
26 09 23 00-0433		EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	291.90	30.26
26 09 23 00-0434		EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	300.66	30.26
26 09 23 00-0435			**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0420)*		
26 09 23 00-0436		EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	221.74	30.26
26 09 23 00-0437		EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	257.34	30.26
26 09 23 00-0438		EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	287.14	30.26
26 09 23 00-0439		EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	208.62	30.26
26 09 23 00-0440		EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	253.49	30.26
26 09 23 00-0441		EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	268.02	30.26
26 09 23 00-0442		EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	223.59	30.26
26 09 23 00-0443		EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	249.42	30.26
26 09 23 00-0444		EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	281.32	30.26
26 09 23 00-0445			**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0446		EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	161.45	30.26
26 09 23 00-0447		EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	164.91	30.26
26 09 23 00-0448		EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	173.14	30.26
26 09 23 00-0449		EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	195.18	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0450		EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	197.86	30.26
26 09 23 00-0451		EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	209.39	30.26
26 09 23 00-0452		EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	227.86	30.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0453		Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0419)*		
26 09 23 00-0454	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	270.89	30.26
26 09 23 00-0455	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	309.96	30.26
26 09 23 00-0456	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	262.60	30.26
26 09 23 00-0457		Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0401)*		
26 09 23 00-0458		Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0457)*		
26 09 23 00-0459	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	333.37	30.26
26 09 23 00-0460	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	333.37	30.26
26 09 23 00-0461		Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0457)*		
26 09 23 00-0462	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	309.96	30.26
26 09 23 00-0463		Occupancy Sensor Power Packs *(26 09 23 00-0400)*		
26 09 23 00-0464		Single Voltage, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0465	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	108.43	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0466	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	98.51	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0467		Auxiliary, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0468	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	90.34	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0469		Universal Voltage, Power Packs For Occupancy Sensors *(26 09 23 00-0463)*		
26 09 23 00-0470	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	120.25	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0471		Form C, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0472	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	108.89	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0473	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	108.97	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0474		Two Relay, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0475	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	137.64	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0476	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	139.61	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0477		Occupancy Sensor Power Supplies *(26 09 23 00-0463)*		
26 09 23 00-0478	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	121.60	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0479	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	283.04	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0480		Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0481	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	375.26	26.90
26 09 23 00-0482		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0483	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	119.13	26.90
26 09 23 00-0484		Occupancy Sensor Accessories *(26 09 23 00-0400)*		
26 09 23 00-0485		Protective Cages For Occupancy Sensors *(26 09 23 00-0484)*		
26 09 23 00-0486	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	68.90	10.09
26 09 23 00-0487		Mounting Brackets For Occupancy Sensors *(26 09 23 00-0484)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0488	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	53.09	16.81
26 09 23 00-0489		Occupancy/Lighting Logger *(26 09 23 00-0484)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0490	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	513.04	57.17
26 09 23 00-0491		Digital Time Light Switches *(26 09 23 00-0400)*		
26 09 23 00-0492	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	110.70	13.45
26 09 23 00-0493		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor *(26 09 23 00-0400)*		
26 09 23 00-0494	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	242.14	43.71
26 09 23 00-0495		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0496		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0495)* Note: Exclude boxes		
26 09 23 00-0497		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*		
26 09 23 00-0498		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)*		
26 09 23 00-0499	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	226.41	13.45
26 09 23 00-0500	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	159.91	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0501	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	152.59	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0502	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	152.59	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0503	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	193.16	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0504	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	193.16	13.45
26 09 23 00-0505	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	234.74	13.45
26 09 23 00-0506	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	193.16	13.45
26 09 23 00-0507		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0508	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	292.91	13.45
26 09 23 00-0509	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	226.41	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0510	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	221.44	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0511	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	221.44	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0512	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	259.66	13.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 09 23 00-0513	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	259.66	13.45
26 09 23 00-0514	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	279.61	13.45
26 09 23 00-0515		Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0497)*		
26 09 23 00-0516	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	20.02	3.36
26 09 23 00-0517	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	20.02	3.36
26 09 23 00-0518	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	39.97	3.36
26 09 23 00-0519	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	39.97	3.36
26 09 23 00-0520		360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*		
26 09 23 00-0521		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0520)* Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0522	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	260.04	30.26
26 09 23 00-0523	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	260.04	30.26
26 09 23 00-0524	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	260.04	30.26
26 09 23 00-0525	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	276.67	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0526	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	276.67	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0527	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	223.46	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	343.17	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0529	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	343.17	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0530	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	289.97	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	260.04	30.26
26 09 23 00-0532	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	260.04	30.26
26 09 23 00-0533	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	260.04	30.26
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	276.67	30.26
26 09 23 00-0535	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	276.67	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	223.46	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	343.17	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	343.17	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0539	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	289.97	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	

26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0520)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0541	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	326.54	30.26
26 09 23 00-0542	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	326.54	30.26
26 09 23 00-0543	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	326.54	30.26
26 09 23 00-0544	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	309.92	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0545	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	309.92	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0546	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	256.71	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0547	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	376.42	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0548	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	376.42	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0549	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	323.22	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0550	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	326.54	30.26
26 09 23 00-0551	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	326.54	30.26
26 09 23 00-0552	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	326.54	30.26
26 09 23 00-0553	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	309.92	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0554	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	309.92	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0555	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	256.71	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0556	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	376.42	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0557		EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	376.42	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0558		EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	323.22	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	

26 09 23 00-0559 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0560 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

26 09 23 00-0561		EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	260.04	30.26
26 09 23 00-0562		EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	293.29	30.26
26 09 23 00-0563		EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	359.79	30.26
26 09 23 00-0564		EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	343.17	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0565		EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	409.67	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	

26 09 23 00-0566 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0567		EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	326.54	30.26
26 09 23 00-0568		EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	376.42	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0569		EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	442.92	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	

26 09 23 00-0570 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0571 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0570)*

26 09 23 00-0572		EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	260.04	30.26
26 09 23 00-0573		EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	260.04	30.26
26 09 23 00-0574		EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	260.04	30.26
26 09 23 00-0575		EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	223.46	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0576		EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	223.46	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0577		EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	223.46	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0578		EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	289.97	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0579		EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	289.97	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0580		EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	289.97	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0581		EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	246.74	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0582		EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	246.74	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0583		EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	246.74	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0584		EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	246.74	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0585		EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	246.74	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0586		EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	246.74	30.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0587		EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	293.29	30.26
26 09 23 00-0588		EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	293.29	30.26
26 09 23 00-0589		EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	293.29	30.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0590	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	356.47	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0591	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	356.47	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0592	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	356.47	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0593	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	313.24	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0594	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	313.24	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0595	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	263.36	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0596	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	263.36	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0597	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	263.36	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0598	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	263.36	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0599	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	293.29	30.26
26 09 23 00-0600	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	293.29	30.26
26 09 23 00-0601	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	356.47	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0602	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	356.47	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0603	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	343.17	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0604	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	309.92	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0605	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	309.92	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0606		**Occupancy Sensor Power Packs (Sensor Switch)** *(26 09 23 00-0495)*		
26 09 23 00-0607	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	146.91	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0608	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	213.42	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0609	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	113.66	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0610	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	103.69	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0611	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	136.94	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0612	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	220.07	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0613	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	220.07	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0614	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	220.07	26.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 09 23 00-0615		**Daylighting Control (Sensor Switch)** *(26 09 23 00-0495)*		
26 09 23 00-0616	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	226.79	30.26
26 09 23 00-0617	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	226.79	30.26
26 09 23 00-0618	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	226.79	30.26
26 09 23 00-0619	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	226.79	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0620	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	226.79	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0621	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	226.79	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0622	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	226.79	30.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0623	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	226.79	30.26
26 09 23 00-0624	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	226.79	30.26
26 09 23 00-0625	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	226.79	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0626	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	226.79	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0627	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	226.79	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0628	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	326.54	30.26
26 09 23 00-0629	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	326.54	30.26
26 09 23 00-0630	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	326.54	30.26
26 09 23 00-0631	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	326.54	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0632	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	326.54	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0633	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	326.54	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 09 23 00-0634		Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0635		Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0634)*		
		Note: Excludes boxes.		
26 09 23 00-0636		Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0637		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0636)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0638	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	351.54	13.45
26 09 23 00-0639		360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0640		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0641	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	417.27	30.26
26 09 23 00-0642	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	417.27	30.26
26 09 23 00-0643	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	417.27	30.26
26 09 23 00-0644		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0645	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	488.61	30.26
26 09 23 00-0646	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	488.61	30.26
26 09 23 00-0647	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	506.42	30.26
26 09 23 00-0648		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0649		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0648)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	488.61	30.26
26 09 23 00-0651		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0652		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0651)*		
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	417.27	30.26
26 09 23 00-0654		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	142.99	26.90
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	178.70	26.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	239.31	26.90
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	239.31	26.90
26 09 23 00-0659		**Occupancy Sensor Accessories (Sensor Switch nLight®)** *(26 09 23 00-0634)*		
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	506.42	30.26
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	408.13	30.26
26 09 23 00-0662		**Daylighting Controls (Sensor Switch nLight®)** *(26 09 23 00-0634)*		
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	345.92	30.26
26 09 23 00-0664		**Controls (Sensor Switch nLight®)** *(26 09 23 00-0634)*		
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	228.20	30.26
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	328.11	30.26
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	756.17	30.26
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	756.17	30.26
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,825.25	30.26
26 09 23 00-0670		**Occupancy Sensors (Lutron)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0671		**Wireless Occupancy Sensors** *(26 09 23 00-0670)*		
26 09 23 00-0672	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	170.29	30.26
26 09 23 00-0673	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	177.67	30.26
26 09 23 00-0674	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	172.04	30.26
26 09 23 00-0675	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	181.80	30.26
26 09 23 00-0676	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	174.23	30.26
26 09 23 00-0677	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	181.80	30.26
26 09 23 00-0678	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	170.29	30.26
26 09 23 00-0679	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	174.23	30.26
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	172.04	30.26
26 09 23 00-0681	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	263.89	30.26
26 09 23 00-0682	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	281.39	30.26
26 09 23 00-0683	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	320.75	30.26
26 09 23 00-0684	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	338.25	30.26
26 09 23 00-0685	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	347.00	30.26
26 09 23 00-0686	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	364.49	30.26
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	208.78	30.26
26 09 23 00-0688	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	220.15	30.26
26 09 23 00-0689	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	257.33	30.26
26 09 23 00-0690	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	285.76	30.26
26 09 23 00-0691	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	307.63	30.26
26 09 23 00-0692	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	266.08	30.26
26 09 23 00-0693	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	244.84	30.26
26 09 23 00-0694	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	205.32	30.26
26 09 23 00-0695	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	251.92	30.26
26 09 23 00-0696	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	305.15	30.26
26 09 23 00-0697	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	323.68	30.26
26 09 23 00-0698	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	323.68	30.26
26 09 23 00-0699	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	323.68	30.26
26 09 23 00-0700	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	340.65	30.26
26 09 23 00-0701	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	551.99	43.71
26 09 23 00-0702		**Nodes And Modules** *(26 09 23 00-0670)*		
26 09 23 00-0703	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	274.83	30.26
26 09 23 00-0704	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	274.83	30.26
26 09 23 00-0705	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	347.00	30.26
26 09 23 00-0706	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	347.00	30.26
26 09 23 00-0707	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	443.38	33.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0708	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	443.38	33.63
26 09 23 00-0709	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	537.42	33.63
26 09 23 00-0710	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	550.54	33.63
26 09 23 00-0711	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	679.57	33.63
26 09 23 00-0712	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	721.12	33.63
26 09 23 00-0713	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	762.68	33.63
26 09 23 00-0714	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,059.44	53.81
26 09 23 00-0715	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,023.69	60.53
26 09 23 00-0716	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,966.60	67.25

26 09 23 00-0717 Other Accessories *(26 09 23 00-0670)*

26 09 23 00-0718	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	44.74	
26 09 23 00-0719	EA	Pico® Wireless Control (Lutron® PJ)	56.18	
26 09 23 00-0720	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	166.51	
26 09 23 00-0721	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	317.41	
26 09 23 00-0722	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	334.38	30.26
26 09 23 00-0723	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	423.02	30.26
26 09 23 00-0724	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	423.02	30.26
26 09 23 00-0725	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	692.69	33.63
26 09 23 00-0726	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	948.57	33.63
26 09 23 00-0727	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,140.86	30.26
26 09 23 00-0728	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,132.13	30.26
26 09 23 00-0729	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,514.85	30.26
26 09 23 00-0730	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,536.36	940.15
26 09 23 00-0731	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,411.14	940.15

26 09 23 00-0732 Fixture Mounted Occupancy Sensors (Leviton) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0733	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	163.29	30.26
26 09 23 00-0734	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	143.17	30.26
26 09 23 00-0735	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	179.92	30.26
26 09 23 00-0736	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	143.17	30.26
26 09 23 00-0737	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	235.36	13.43

26 09 23 00-0738 Wireless Enabled Communication Devices For Streetlights *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0739 Wireless Enabled Communication Nodes For Streetlights (Roam®) *(26 09 23 00-0738)*

26 09 23 00-0740	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	358.09	
26 09 23 00-0741	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	500.78	

26 09 23 00-0742 Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0738)*

26 09 23 00-0743	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	62.01	
26 09 23 00-0744	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,417.54	74.02

26 09 23 00-0745 Counter Mounted Consolets *(26 09 23)*

26 09 23 00-0746	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	717.02	167.89

26 09 23 00-0747 Lighting Console And Stations *(26 09 23)*

26 09 23 00-0748	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,100.95	167.89
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*110.19*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,174.91*	
26 09 23 00-0749	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,522.05	100.73

26 09 23 00-0750 Theatre Lighting Console *(26 09 23)*

26 09 23 00-0751	EA	Theatre Lighting Console (ETC Colorsource 20)	3,669.35	201.46

26 09 23 00-0752 Emergency Lighting Controls *(26 09 23)*

26 09 23 00-0753 Emergency Lighting Control Units (Watt Stopper ELCU) *(26 09 23 00-0752)*

Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.

26 09 23 00-0754	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	255.46	33.63
26 09 23 00-0755	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	255.46	33.63

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0756			Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0752)* Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0757		EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	416.43	47.07
26 09 23 00-0758		EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	567.83	53.81
26 09 23 00-0759		EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	765.56	60.53
26 09 23 00-0760			Photocells *(26 09 23)*		
26 09 23 00-0761		EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	103.31	
26 09 23 00-0762		EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	237.77	
26 09 23 00-0763			Outdoor Lighting Motion Sensors *(26 09 23)*		
26 09 23 00-0764		EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	136.48	33.63
26 09 23 00-0765		EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	149.03	33.63
26 09 23 00-0766		EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	615.08	33.63
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	
26 09 23 00-0767			Street Light Controls *(26 09 23)*		
26 09 23 00-0768			Photo Controls *(26 09 23 00-0767)*		
26 09 23 00-0769		EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	108.81	
26 09 23 00-0770		EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	124.39	
26 09 23 00-0771			Connector Node *(26 09 23 00-0767)*		
26 09 23 00-0772		EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	555.73	3.42

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001			"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002			Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)* Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003		EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	82,012.02	2,325.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,419.11*	
26 11 13 00-0004		EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	100,583.00	2,940.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,773.89*	
26 11 13 00-0005		EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	114,107.27	2,940.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,773.89*	
26 11 13 00-0006		EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	131,311.11	2,940.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,892.15*	
26 11 13 00-0007		EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	148,948.64	3,624.71
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,183.25*	
26 11 13 00-0008			Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		
26 11 13 00-0009		EA	Reclosure Relay, Adjustable, 3 Shot, #179	2,176.44	245.42
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.32*	
26 11 13 00-0010		EA	Overcurrent Relay, 1 Phase, #51/51N	654.97	177.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.92*	
26 11 13 00-0011		EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	998.03	177.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.77*	
26 11 13 00-0012		EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	788.38	177.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.92*	
26 11 13 00-0013		EA	Differential Relay Package, Complete, Device No. 87	2,948.92	601.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*363.07*	
26 11 13 00-0014			"Switchyard", Substation Transformer Section *(26 11 13)* Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015			14.4 KV Nominal Primary *(26 11 13 00-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,826.42	2,325.28
		For 50 Hz Operation, Add	*5,051.53*	
		For Forced Air-Cooling, Add	*5,051.53*	
		For External Control Panel, Add	*1,262.88*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*420.96*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,104.80*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,262.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,314.41*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	53,437.63	2,913.44
		For 50 Hz Operation, Add	*5,702.96*	
		For Forced Air-Cooling, Add	*5,702.96*	
		For External Control Panel, Add	*1,425.74*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*475.25*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,376.23*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,940.58*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,128.70*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	82,360.22	4,103.45
		For 50 Hz Operation, Add	*8,874.08*	
		For Forced Air-Cooling, Add	*8,874.08*	
		For External Control Panel, Add	*2,218.52*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*739.51*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,697.53*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,243.84*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,092.60*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	119,624.86	4,904.60
		For 50 Hz Operation, Add	*13,085.56*	
		For Forced Air-Cooling, Add	*13,085.56*	
		For External Control Panel, Add	*3,271.39*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,090.46*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,452.32*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,630.79*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,356.95*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	147,337.71	6,347.13
		For 50 Hz Operation, Add	*16,093.74*	
		For Forced Air-Cooling, Add	*16,093.74*	
		For External Control Panel, Add	*4,023.44*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,341.15*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,705.73*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,764.31*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,117.18*	
26 11 13 00-0021		**23 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	52,219.67	3,145.98
		For 50 Hz Operation, Add	*5,556.81*	
		For External Control Panel, Add	*1,389.20*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*463.07*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,315.34*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,788.34*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,946.01*	
		For Forced Air-Cooling, Add	*3,704.54*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	59,539.84	3,145.98
		For 50 Hz Operation, Add	*6,287.96*	
		For External Control Panel, Add	*1,571.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*524.00*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,619.98*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,549.96*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,859.95*	
		For Forced Air-Cooling, Add	*4,191.97*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	95,945.51	4,650.58
		For 50 Hz Operation, Add	*10,378.17*	
		For External Control Panel, Add	*2,594.54*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*864.85*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,324.24*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,810.60*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,972.72*	
		For Forced Air-Cooling, Add	*6,918.78*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	128,536.60	6,347.13
		For 50 Hz Operation, Add	*13,837.61*	
		For External Control Panel, Add	*3,459.40*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,153.13*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,765.67*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,414.18*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,297.01*	
		For Forced Air-Cooling, Add	*9,225.07*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	159,871.82	6,347.13
		For 50 Hz Operation, Add	*17,597.83*	
		For External Control Panel, Add	*4,399.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,466.49*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,332.43*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,331.08*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*21,997.29*	
		For Forced Air-Cooling, Add	*11,731.89*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	65,632.80	3,761.49
		For 50 Hz Operation, Add	*7,019.12*	
		For External Control Panel, Add	*1,754.78*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*584.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,924.63*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,311.58*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,773.89*	
		For Forced Air-Cooling, Add	*4,679.41*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	79,279.21	5,881.61
		For 50 Hz Operation, Add	*8,481.43*	
		For External Control Panel, Add	*2,120.36*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*706.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,533.93*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,834.82*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,601.78*	
		For Forced Air-Cooling, Add	*5,654.28*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	109,592.02	5,881.61
		For 50 Hz Operation, Add	*11,731.93*	
		For External Control Panel, Add	*2,932.98*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*977.66*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,888.31*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,220.76*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,664.92*	
		For Forced Air-Cooling, Add	*7,821.29*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	141,070.61	6,202.88
		For 50 Hz Operation, Add	*15,341.69*	
		For External Control Panel, Add	*3,835.42*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,278.47*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,392.37*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,980.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,177.11*	
		For Forced Air-Cooling, Add	*10,227.79*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	245,045.87	7,933.92
		For 50 Hz Operation, Add	*27,374.42*	
		For External Control Panel, Add	*6,843.61*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,281.20*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,406.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*28,515.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*34,218.03*	
		For Forced Air-Cooling, Add	*18,249.61*	
26 11 13 00-0033		46 KV Nominal Primary *(26 11 13 00-0014)*		
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	101,132.42	4,377.01
		For 50 Hz Operation, Add	*11,103.81*	
		For External Control Panel, Add	*2,775.95*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*925.32*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,626.59*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,566.47*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,879.76*	
		For Forced Air-Cooling, Add	*7,402.54*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	114,365.41	4,377.01
		For 50 Hz Operation, Add	*12,588.56*	
		For External Control Panel, Add	*3,147.14*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,049.05*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,245.23*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,113.09*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,735.70*	
		For Forced Air-Cooling, Add	*8,392.37*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	158,688.05	5,881.61
		For 50 Hz Operation, Add	*17,623.46*	
		For External Control Panel, Add	*4,405.86*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,468.62*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,343.11*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,357.77*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,029.32*	
		For Forced Air-Cooling, Add	*11,748.97*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	193,397.77	7,933.92
		For 50 Hz Operation, Add	*21,176.65*	
		For External Control Panel, Add	*5,294.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,764.72*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,823.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*22,059.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*26,470.81*	
		For Forced Air-Cooling, Add	*14,117.77*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	276,458.73	7,933.92
		For 50 Hz Operation, Add	*31,143.96*	
		For External Control Panel, Add	*7,785.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,595.33*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,976.65*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*32,441.63*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*38,929.96*	
		For Forced Air-Cooling, Add	*20,762.64*	
26 11 13 00-0039		69 KV Nominal Primary *(26 11 13 00-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	146,181.49	4,650.58
		For 50 Hz Operation, Add	*16,406.49*	
		For External Control Panel, Add	*4,101.62*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,367.21*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,836.04*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,090.10*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,508.11*	
		For Forced Air-Cooling, Add	*10,937.66*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	167,696.58	5,881.61
		For 50 Hz Operation, Add	*18,704.48*	
		For External Control Panel, Add	*4,676.12*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,558.71*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,793.53*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*19,483.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*23,380.60*	
		For Forced Air-Cooling, Add	*12,469.65*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	231,377.74	5,881.61
		For 50 Hz Operation, Add	*26,346.22*	
		For External Control Panel, Add	*6,586.55*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,195.52*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,977.59*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,443.98*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*32,932.77*	
		For Forced Air-Cooling, Add	*17,564.15*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	244,134.47	7,933.92
		For 50 Hz Operation, Add	*27,265.05*	
		For External Control Panel, Add	*6,816.26*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,272.09*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,360.44*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*28,401.10*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*34,081.32*	
		For Forced Air-Cooling, Add	*18,176.70*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	320,835.53	7,933.92
		For 50 Hz Operation, Add	*36,469.18*	
		For External Control Panel, Add	*9,117.30*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,039.10*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*15,195.49*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*37,988.73*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*45,586.48*	
		For Forced Air-Cooling, Add	*24,312.79*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	88,219.76	1,122.08
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	96,916.41	1,122.08
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	110,282.53	1,393.82
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	102,934.05	1,676.00
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	116,072.20	1,676.00
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	132,403.18	1,947.13
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	136,382.87	2,224.60
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	152,740.60	2,224.60
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	160,007.94	2,498.25

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	47,250.83	1,647.74
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	54,602.11	1,647.74

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	66,913.96	1,647.74
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	71,698.22	1,647.74

26 11 16 11-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 11-0001)*

26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	25,358.09	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,468.28	

26 11 16 11-0011 Oil Filled Substation Transformers *(26 11 16 11)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0012		**Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	43,976.95	1,025.86
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,934.77*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,257.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*419.25*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	65,082.94	1,231.03
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,383.46*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,878.63*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*626.21*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	73,709.06	1,367.82
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,968.14*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,129.20*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*709.73*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	87,053.76	1,709.77
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,854.40*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,509.03*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*836.34*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	96,669.47	2,120.11
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,470.05*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,772.88*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*924.29*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	102,768.10	2,598.85
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,829.93*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,927.11*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*975.70*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	120,091.63	3,145.98
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,965.98*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,413.99*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,138.00*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	127,834.68	3,419.54
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,469.69*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,629.87*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,209.96*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	142,957.02	3,761.49
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,480.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,063.02*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,354.34*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	165,660.46	4,171.84
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*11,012.18*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,719.50*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,573.17*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	181,969.01	4,547.99
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*12,101.11*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,186.19*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,728.73*	
26 11 16 11-0024		**Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	41,885.36	1,025.86
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,788.35*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,195.01*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*398.34*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	63,994.38	1,025.86
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,335.99*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,858.28*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*619.43*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	73,662.77	1,367.82
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,964.90*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,127.81*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*709.27*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	87,133.40	1,709.77
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,859.97*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,511.42*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*837.14*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	104,796.91	2,120.11
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,038.97*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,016.70*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,005.57*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	112,888.22	2,598.85
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,538.34*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,230.72*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,076.91*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	124,764.72	3,145.98
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,293.09*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,554.18*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,184.73*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	135,884.50	3,419.54
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,033.18*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,871.36*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,290.45*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	153,366.66	3,761.49
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,209.06*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,375.31*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,458.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0034		**Accessories For Oil Filled Substation Transformers** *(26 11 16 11-0011)*		
26 11 16 11-0035	EA	Sudden Pressure Relay	12,707.37	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	25,228.44	
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	16,611.96	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	92,188.03	
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	86,251.08	
26 11 16 11-0040		**Reinforced Concrete Curb With 6" Slab** *(26 11 16 11-0011)*		
		Note: For transformer liquid containment area.		
26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	9,378.66	1,447.78
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	9,378.66	1,447.78
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	9,378.66	1,447.78
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	9,378.66	1,447.78
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	9,378.66	1,447.78
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	9,378.66	1,447.78
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	9,378.66	1,447.78
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	11,545.81	1,669.32
26 11 16 11-0049		**Dry Type Substation Transformer** *(26 11 16 11)*		
		Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050		**Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)*		
		Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	77,866.93	1,094.25
		For Gas Filled Transformers, Add	*45,407.05*	
		For Single Phase Transformers, Deduct	*-1,891.96*	
		For Dry Type Unit, Add	*16,868.10*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	78,003.70	1,162.65
		For Gas Filled Transformers, Add	*45,407.05*	
		For Single Phase Transformers, Deduct	*-1,891.96*	
		For Dry Type Unit, Add	*16,881.78*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	79,399.81	1,367.82
		For Gas Filled Transformers, Add	*45,998.51*	
		For Single Phase Transformers, Deduct	*-1,916.60*	
		For Dry Type Unit, Add	*17,139.68*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,644.83	1,504.60
		For Gas Filled Transformers, Add	*50,781.38*	
		For Single Phase Transformers, Deduct	*-2,115.89*	
		For Dry Type Unit, Add	*18,920.76*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,102.61	1,778.16
		For Gas Filled Transformers, Add	*56,127.77*	
		For Single Phase Transformers, Deduct	*-2,338.66*	
		For Dry Type Unit, Add	*20,935.81*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	112,513.75	2,051.73
		For Gas Filled Transformers, Add	*65,046.18*	
		For Single Phase Transformers, Deduct	*-2,710.26*	
		For Dry Type Unit, Add	*24,260.61*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	130,503.74	2,462.07
		For Gas Filled Transformers, Add	*75,347.76*	
		For Single Phase Transformers, Deduct	*-3,139.49*	
		For Dry Type Unit, Add	*28,119.93*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	154,538.33	2,735.63
		For Gas Filled Transformers, Add	*89,440.24*	
		For Single Phase Transformers, Deduct	*-3,726.68*	
		For Dry Type Unit, Add	*33,341.88*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	201,344.43	2,872.41
		For Gas Filled Transformers, Add	*117,359.76*	
		For Single Phase Transformers, Deduct	*-4,889.99*	
		For Dry Type Unit, Add	*43,606.40*	
26 11 16 11-0060		**Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt** *(26 11 16 11-0049)*		
		Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,181.31	1,094.25
		For Gas Filled Transformers, Add	*43,795.68*	
		For Single Phase Transformers, Deduct	*-1,824.82*	
		For Dry Type Unit, Add	*16,277.27*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	78,003.70	1,162.65
		For Gas Filled Transformers, Add	*45,407.05*	
		For Single Phase Transformers, Deduct	*-1,891.96*	
		For Dry Type Unit, Add	*16,881.78*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	79,399.81	1,367.82
		For Gas Filled Transformers, Add	*45,998.51*	
		For Single Phase Transformers, Deduct	*-1,916.60*	
		For Dry Type Unit, Add	*17,139.68*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,644.83	1,504.60
		For Gas Filled Transformers, Add	*50,781.38*	
		For Single Phase Transformers, Deduct	*-2,115.89*	
		For Dry Type Unit, Add	*18,920.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,102.61	1,778.16
		For Gas Filled Transformers, Add	*56,127.77*	
		For Single Phase Transformers, Deduct	*-2,338.66*	
		For Dry Type Unit, Add	*20,935.81*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	112,513.75	2,051.73
		For Gas Filled Transformers, Add	*65,046.18*	
		For Single Phase Transformers, Deduct	*-2,710.26*	
		For Dry Type Unit, Add	*24,260.61*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	130,503.74	2,462.07
		For Gas Filled Transformers, Add	*75,347.76*	
		For Single Phase Transformers, Deduct	*-3,139.49*	
		For Dry Type Unit, Add	*28,119.93*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	154,538.33	2,735.63
		For Gas Filled Transformers, Add	*89,440.24*	
		For Single Phase Transformers, Deduct	*-3,726.68*	
		For Dry Type Unit, Add	*33,341.88*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	201,344.43	2,872.41
		For Gas Filled Transformers, Add	*117,359.76*	
		For Single Phase Transformers, Deduct	*-4,889.99*	
		For Dry Type Unit, Add	*43,606.40*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	221,224.52	3,009.20
		For Gas Filled Transformers, Add	*129,123.68*	
		For Single Phase Transformers, Deduct	*-5,380.15*	
		For Dry Type Unit, Add	*47,947.19*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	247,244.27	3,145.98
		For Gas Filled Transformers, Add	*144,571.39*	
		For Single Phase Transformers, Deduct	*-6,023.81*	
		For Dry Type Unit, Add	*53,638.70*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	285,520.04	3,282.76
		For Gas Filled Transformers, Add	*167,372.71*	
		For Single Phase Transformers, Deduct	*-6,973.86*	
		For Dry Type Unit, Add	*62,026.55*	

26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	83,698.00	1,231.03
		For Gas Filled Transformers, Add	*48,741.56*	
		For Single Phase Transformers, Deduct	*-2,030.90*	
		For Dry Type Unit, Add	*18,118.11*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	86,504.87	1,299.43
		For Gas Filled Transformers, Add	*50,343.61*	
		For Single Phase Transformers, Deduct	*-2,097.65*	
		For Dry Type Unit, Add	*18,719.21*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	92,387.35	1,504.60
		For Gas Filled Transformers, Add	*53,626.89*	
		For Single Phase Transformers, Deduct	*-2,234.45*	
		For Dry Type Unit, Add	*19,964.11*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	97,473.28	1,641.38
		For Gas Filled Transformers, Add	*56,514.31*	
		For Single Phase Transformers, Deduct	*-2,354.76*	
		For Dry Type Unit, Add	*21,050.19*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	111,091.42	1,914.95
		For Gas Filled Transformers, Add	*64,356.92*	
		For Single Phase Transformers, Deduct	*-2,681.54*	
		For Dry Type Unit, Add	*23,980.53*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	123,025.24	2,188.51
		For Gas Filled Transformers, Add	*71,188.94*	
		For Single Phase Transformers, Deduct	*-2,966.21*	
		For Dry Type Unit, Add	*26,540.31*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	143,599.95	2,598.85
		For Gas Filled Transformers, Add	*83,041.34*	
		For Single Phase Transformers, Deduct	*-3,460.06*	
		For Dry Type Unit, Add	*30,968.26*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	174,379.63	2,872.41
		For Gas Filled Transformers, Add	*101,180.88*	
		For Single Phase Transformers, Deduct	*-4,215.87*	
		For Dry Type Unit, Add	*37,674.14*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	211,382.44	3,009.20
		For Gas Filled Transformers, Add	*123,218.43*	
		For Single Phase Transformers, Deduct	*-5,134.10*	
		For Dry Type Unit, Add	*45,781.93*	

26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	83,698.00	1,231.03
		For Gas Filled Transformers, Add	*48,741.56*	
		For Single Phase Transformers, Deduct	*-2,030.90*	
		For Dry Type Unit, Add	*18,118.11*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	86,504.87	1,299.43
		For Gas Filled Transformers, Add	*50,343.61*	
		For Single Phase Transformers, Deduct	*-2,097.65*	
		For Dry Type Unit, Add	*18,719.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	92,387.35	1,504.60
		For Gas Filled Transformers, Add	*53,626.89*	
		For Single Phase Transformers, Deduct	*-2,234.45*	
		For Dry Type Unit, Add	*19,964.11*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	97,473.28	1,641.38
		For Gas Filled Transformers, Add	*56,514.31*	
		For Single Phase Transformers, Deduct	*-2,354.76*	
		For Dry Type Unit, Add	*21,050.19*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	111,091.42	1,914.95
		For Gas Filled Transformers, Add	*64,356.92*	
		For Single Phase Transformers, Deduct	*-2,681.54*	
		For Dry Type Unit, Add	*23,980.53*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	107,501.46	2,188.51
		For Gas Filled Transformers, Add	*61,874.67*	
		For Single Phase Transformers, Deduct	*-2,578.11*	
		For Dry Type Unit, Add	*23,125.08*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	111,708.07	2,598.85
		For Gas Filled Transformers, Add	*63,906.22*	
		For Single Phase Transformers, Deduct	*-2,662.76*	
		For Dry Type Unit, Add	*23,952.05*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	137,840.68	2,872.41
		For Gas Filled Transformers, Add	*79,257.51*	
		For Single Phase Transformers, Deduct	*-3,302.40*	
		For Dry Type Unit, Add	*29,635.57*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	164,023.14	3,009.20
		For Gas Filled Transformers, Add	*94,802.85*	
		For Single Phase Transformers, Deduct	*-3,950.12*	
		For Dry Type Unit, Add	*35,362.88*	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	183,665.49	3,145.98
		For Gas Filled Transformers, Add	*106,424.12*	
		For Single Phase Transformers, Deduct	*-4,434.34*	
		For Dry Type Unit, Add	*39,651.37*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	216,208.39	3,282.76
		For Gas Filled Transformers, Add	*125,785.72*	
		For Single Phase Transformers, Deduct	*-5,241.07*	
		For Dry Type Unit, Add	*46,777.98*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	265,999.92	3,419.54
		For Gas Filled Transformers, Add	*155,496.50*	
		For Single Phase Transformers, Deduct	*-6,479.02*	
		For Dry Type Unit, Add	*57,699.29*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,387.92	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,554.17	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,059.69	558.02
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,829.28	697.52
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	12,550.58	837.02
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,300.26	1,046.27
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	19,327.69	1,255.53
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	27,238.68	1,464.79
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	32,250.04	1,743.79

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,059.69	558.02
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,047.41	697.52
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,550.58	837.02
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,300.26	1,046.27
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	19,327.69	1,255.53
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	24,996.54	1,464.79
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	31,111.45	1,743.79

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*

26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,805.21	558.02
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,138.53	697.52
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,867.43	837.02
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,142.61	1,046.27
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,662.05	1,255.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	25,416.94	1,464.79
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	31,216.55	1,743.79
26 12 13 00-0029		**Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,986.76	558.02
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,356.43	697.52
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	15,058.12	837.02
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,982.96	1,046.27
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,846.13	1,255.53
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	30,125.96	1,464.79
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	38,818.48	1,743.79
26 12 13 00-0037		**Transformer Platforms** *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	4,997.64	942.35
26 12 13 00-0039		**Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,064.20	558.02
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,334.72	697.52
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	15,059.47	837.02
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,981.31	1,046.27
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,985.05	1,325.28
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	30,130.05	1,464.79
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	38,818.48	1,743.79
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	52,023.65	2,232.05
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	66,447.85	2,999.33
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	77,868.29	3,487.59
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	99,578.58	3,766.59
26 12 13 00-0051		**Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL** *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,059.69	683.29
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,829.28	854.04
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	12,550.01	1,023.82
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,301.60	1,283.01
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	19,326.39	1,536.91
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	27,236.93	1,789.97
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	32,250.04	2,135.24
26 12 13 00-0059		**Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN** *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,059.69	683.29
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,047.41	854.04
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,550.01	1,023.82
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,301.60	1,283.01
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	19,326.39	1,536.91
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	24,994.79	1,789.97
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	31,111.45	2,135.24
26 12 13 00-0067		**Primary 7.2 To 14.4 KV Ground Y** *(26 12 13 00-0004)*		
26 12 13 00-0068		**Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,147.73	558.02
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,484.35	697.52
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,769.48	837.02
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,836.92	1,046.27
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,143.63	1,255.53
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,059.02	1,464.79
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	29,927.92	1,743.79
26 12 13 00-0076		**Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN** *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,569.35	558.02
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,757.24	697.52
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,438.97	837.02
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,175.91	1,046.27
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	15,234.75	1,255.53
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	22,753.97	1,464.79
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	26,622.88	1,743.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 12 16 Dry-Type, Medium-Voltage Transformers *(26 12)*

26 12 16 00-0001 Removal and Relocation of Transformers *(26 12 16)*

26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	567.64	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,522.86	

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 19 00-0001 Single Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*

Note: Designed for residential and multi-family buildings. UL listed.

26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)*

Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.

26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)*

Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.

26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	21,940.74	683.91
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	23,773.04	820.69
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,365.85	957.47
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,302.76	1,025.86
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,169.29	1,094.25
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	52,561.55	1,436.21

26 12 19 00-0010 Factory Modifications Material Cost Only *(26 12 19 00-0002)*

26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	4,926.08
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,175.95
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	5,693.55

26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer *(26 12 19 00-0001)*

Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.

26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta *(26 12 19 00-0014)*

Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,912.64	683.91
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,297.41	683.91
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,518.14	936.96
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	42,096.22	936.96
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	47,299.09	1,231.03
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	56,670.28	1,231.03
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	92,241.96	1,709.77

26 12 19 00-0023 Factory Modifications Material Cost Only *(26 12 19 00-0014)*

26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	6,568.10
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,664.17
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,175.95
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	8,424.31
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	2,248.86
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,945.44

26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta *(26 12 19 00-0014)*

Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,333.38	683.91
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	32,115.66	683.91
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,201.50	936.96
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,180.93	936.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	51,299.66	1,231.03
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	63,750.03	1,231.17
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	80,968.31	1,709.77
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,106.13	470.79
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,779.51	662.04
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	38,087.87	1,059.26
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	69,028.49	1,059.26
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	95,362.27	1,736.02
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	128,763.52	1,736.02
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,225.84	500.21
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	706.18
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	706.18
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,382.47	1,471.21
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	94,073.25	1,471.21
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	126,773.78	1,839.00
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,226.50	500.21
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	706.18
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	706.18
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,774.24	1,294.66
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,382.47	1,294.66
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	94,073.25	1,633.04
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	126,773.78	1,839.00
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,484.17	500.21
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,430.01	500.21
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,710.03	706.18
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,529.69	706.18
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,890.72	956.28
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,603.20	1,294.66
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	74,450.49	1,294.66
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	103,993.82	1,633.04
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	140,222.31	1,839.00
26 12 19 00-0076		**2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,225.84	500.21
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	960.84
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	1,294.66
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,570.24	1,294.66
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,369.25	1,294.66
26 12 19 00-0084		**2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,461.61	500.21
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,225.84	500.21
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,096.73	706.18
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,191.30	706.18
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,052.49	956.28
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,570.24	1,294.66
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	67,369.25	1,294.66
26 12 19 00-0092		**2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,318.13	514.92
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,675.58	573.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,669.23	632.62
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,349.17	882.72
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,355.65	1,029.84
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	42,592.42	1,206.39
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	51,471.21	1,382.93
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	81,767.95	1,765.44
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	114,349.50	1,986.12
26 12 19 00-0102		3 Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*		
26 12 19 00-0103		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt *(26 12 19 00-0102)*		
		Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	33,028.38	1,953.04
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	41,658.63	2,092.55
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	55,408.58	2,650.56
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	72,435.42	3,348.08
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	107,748.09	3,766.59
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	135,149.16	5,022.13
26 12 19 00-0110		Pad Mounted Commercial Type Distribution Transformers UL Listed *(26 12 19)*		
26 12 19 00-0111		Distribution 3 Phase Oil Filled Transformer *(26 12 19 00-0110)*		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0112		Factory Modifications *(26 12 19 00-0111)*		
		Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0113	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,757.10	
26 12 19 00-0114	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	610.95	
26 12 19 00-0115	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,443.78	
26 12 19 00-0116	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	7,040.68	
26 12 19 00-0117	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	862.51	
26 12 19 00-0118	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	682.82	
26 12 19 00-0119		Accessories For Transformer Liquid Containment Area *(26 12 19 00-0111)*		
		Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0120	EA	Containment Area For 75 KVA	8,865.25	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,613.78*	
26 12 19 00-0121	EA	Containment Area For 112.5 KVA	8,865.25	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,613.78*	
26 12 19 00-0122	EA	Containment Area For 150 KVA	8,865.25	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,613.78*	
26 12 19 00-0123	EA	Containment Area For 225 KVA	8,865.25	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,613.78*	
26 12 19 00-0124	EA	Containment Area For 300 KVA	8,856.57	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,611.18*	
26 12 19 00-0125	EA	Containment Area For 500 KVA	8,856.57	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,611.18*	
26 12 19 00-0126	EA	Containment Area For 750 KVA	8,957.20	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,611.18*	
26 12 19 00-0127	EA	Containment Area For 1,000 KVA	10,416.28	2,420.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,611.18*	
26 12 19 00-0128		Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL *(26 12 19 00-0111)*		
		Note: Rated to 5 KVA.		
26 12 19 00-0129	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,342.61	1,641.38
26 12 19 00-0130	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	24,498.89	1,641.38
26 12 19 00-0131	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,936.41	1,641.38
26 12 19 00-0132	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	30,248.96	1,641.38
26 12 19 00-0133	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	32,069.91	2,462.07
26 12 19 00-0134	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	33,507.43	2,462.07
26 12 19 00-0135	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	50,757.65	2,462.07
26 12 19 00-0136	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	64,810.48	3,282.76
26 12 19 00-0137	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	83,498.21	3,282.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0138		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0139	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,061.37	1,641.38
26 12 19 00-0140	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,936.41	1,641.38
26 12 19 00-0141	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	26,655.17	1,641.38
26 12 19 00-0142	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,373.92	1,641.38
26 12 19 00-0143	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	32,069.91	2,462.07
26 12 19 00-0144	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	34,944.95	2,462.07
26 12 19 00-0145	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	50,757.65	2,462.07
26 12 19 00-0146	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	65,529.23	3,282.76
26 12 19 00-0147	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	83,498.21	3,282.76
26 12 19 00-0148		**Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 12 19 00-0110)* Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0149	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	79,515.76	2,148.35
26 12 19 00-0150	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	86,615.72	2,536.17
26 12 19 00-0151	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	96,934.58	3,099.77
26 12 19 00-0152	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	115,716.51	3,487.59
26 12 19 00-0153	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	143,064.57	3,671.03
26 12 19 00-0154	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	171,799.03	5,363.91
26 12 19 00-0155	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	202,557.60	6,068.40
26 12 19 00-0156	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	254,325.94	6,975.17
26 12 19 00-0157	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	281,931.52	7,323.93
26 12 19 00-0158	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	296,768.03	8,161.23
26 12 19 00-0159	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	342,026.75	8,719.24
26 12 19 00-0160		**Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** *(26 12 19 00-0110)*		
26 12 19 00-0161	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	146,530.24	6,095.67
26 12 19 00-0162	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	180,869.36	7,010.06
26 12 19 00-0163	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	206,335.49	7,378.96
26 12 19 00-0164	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	218,686.86	8,247.11
26 12 19 00-0165	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	246,030.83	8,497.02
26 12 19 00-0166		**Silicone Filled Distribution Transformers, 3 Phase** *(26 12 19 00-0110)* Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0167	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	138,991.05	2,536.17
26 12 19 00-0168	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	148,677.24	3,099.77
26 12 19 00-0169	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	174,389.34	3,487.59
26 12 19 00-0170	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	212,132.65	3,671.03
26 12 19 00-0171	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	252,897.57	5,363.91
26 12 19 00-0172	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	322,745.40	6,068.40
26 12 19 00-0173	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	393,162.90	6,975.17
26 12 19 00-0174	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	450,696.05	7,323.93

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0001			"Switchyard", Substation Secondary Distribution Section *(26 13 16)* Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002			4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
	26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,664.28	1,530.05
			For Weatherproofing, Add	*3,891.59*	
	26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,617.68	1,530.05
			For Weatherproofing, Add	*4,101.34*	
	26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,813.89	1,949.34
			For Weatherproofing, Add	*5,640.95*	
	26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,697.27	1,949.34
			For Weatherproofing, Add	*7,782.48*	
	26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	52,825.63	2,353.92
			For Weatherproofing, Add	*11,291.56*	
	26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	48,090.03	2,353.92
			For Weatherproofing, Add	*10,233.06*	
26 13 16 00-0009			7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
	26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,068.46	1,765.44
			For Weatherproofing, Add	*5,938.32*	
	26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	34,419.14	2,206.80
			For Weatherproofing, Add	*7,262.95*	
	26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	48,586.71	2,648.16
			For Weatherproofing, Add	*10,327.73*	
26 13 16 00-0013			13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
	26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,996.80	1,765.44
			For Weatherproofing, Add	*5,683.12*	
	26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	37,307.88	1,765.44
			For Weatherproofing, Add	*7,909.23*	
	26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	54,731.95	2,353.92
			For Weatherproofing, Add	*11,694.28*	
	26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	33,950.31	2,353.92
			For Weatherproofing, Add	*7,142.13*	
	26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	49,575.20	2,942.40
			For Weatherproofing, Add	*10,537.43*	
	26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	69,642.92	2,942.40
			For Weatherproofing, Add	*14,907.85*	
	26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	47,663.04	2,942.40
			For Weatherproofing, Add	*10,104.45*	
	26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	66,364.59	2,942.40
			For Weatherproofing, Add	*14,176.41*	
	26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	86,243.88	2,942.40
			For Weatherproofing, Add	*18,509.76*	
26 13 16 00-0023			4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
	26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,278.02	963.64
			For Weatherproofing, Add	*1,686.01*	
	26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,862.71	963.64
			For Weatherproofing, Add	*2,254.65*	
	26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,699.85	1,279.94
			For Weatherproofing, Add	*2,395.18*	
	26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,498.36	1,581.54
			For Weatherproofing, Add	*2,968.17*	
	26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,729.57	1,581.54
			For Weatherproofing, Add	*4,119.03*	
26 13 16 00-0029			7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
	26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,516.11	1,471.21
			For Weatherproofing, Add	*2,159.61*	
	26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,769.99	1,471.21
			For Weatherproofing, Add	*2,832.11*	
	26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	21,159.96	1,471.21
			For Weatherproofing, Add	*4,415.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0033		**13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,806.35	1,250.52
		For Weatherproofing, Add	*2,203.14*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,554.39	1,250.52
		For Weatherproofing, Add	*2,367.71*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	16,636.84	1,544.76
		For Weatherproofing, Add	*3,442.84*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,666.75	1,853.71
		For Weatherproofing, Add	*2,966.62*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,191.83	1,853.71
		For Weatherproofing, Add	*3,742.14*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,905.52	2,162.67
		For Weatherproofing, Add	*4,295.43*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,430.21	2,471.61
		For Weatherproofing, Add	*3,927.90*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	21,845.70	2,471.61
		For Weatherproofing, Add	*4,459.31*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	27,006.28	2,765.85
		For Weatherproofing, Add	*5,551.29*	
26 13 16 00-0043		**Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	5,146.76	932.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*559.39*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	6,478.26	1,034.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*620.76*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	8,491.73	1,244.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*746.80*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	5,003.87	1,871.81
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	6,763.02	122.71
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	9,046.18	122.71
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	16,597.44	122.71
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	13,035.48	122.71
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	14,234.01	122.71
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	19,389.30	122.71
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,042.70	122.71
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,444.02	122.71
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	5,251.03	122.71
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	3,347.49	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,286.67	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,286.67	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 16 00-0060	EA	Indicating Wattmeter	1,920.10	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 16 00-0061	EA	Indicating Varmeter	2,271.53	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,412.49	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	3,338.51	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	6,392.07	122.71
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	860.41	122.71
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	4,253.16	122.71
26 13 19		**Medium-Voltage Vacuum Interrupter Switchgear** *(26 13)*		
26 13 19 00-0001		**Vacuum Circuit Breakers 13.8 KV** *(26 13 19)*		
26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	68,727.84	1,839.00
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	75,860.43	2,324.50
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	86,111.43	2,324.50
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	78,841.89	1,839.00
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	88,766.50	1,839.00
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	101,163.09	2,162.67
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	104,304.26	2,471.61
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	114,279.28	2,471.61
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	124,845.21	2,780.57
26 13 29		**Medium-Voltage Compartmentalized Switchgear** *(26 13)*		
26 13 29 00-0001		**Substation Secondary Distribution Section** *(26 13 29)*		
		Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002		**Switchgear Compartment Complete With Air Circuit Breaker** *(26 13 29 00-0001)*		
		Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	21,853.10	1,183.35
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	34,375.29	1,789.11
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	46,530.36	2,197.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	77,665.35	2,549.84
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	99,930.94	2,902.01
26 13 29 00-0008		Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*		
26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,667.13	359.23
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,170.68	359.23
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,615.88	528.28
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,953.81	528.28
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	35,048.74	774.81
26 13 29 00-0014		Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)* Note: No provisions for future breaker.		
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	9,559.47	401.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.58*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	12,028.88	401.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*269.50*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	15,565.46	619.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*387.41*	
26 13 29 00-0018		Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*		
26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	5,383.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	4,149.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	13,534.00	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	13,534.00	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	17,958.35	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	23,314.15	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	9,974.58	139.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.94*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	28,005.73	2,072.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,243.58*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	6,035.89	122.71
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	7,119.98	122.71
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	3,809.67	61.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	29,329.72	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	3,623.38	61.36

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001		Sectionalizing Switch *(26 18 36)*		
26 18 36 00-0002		Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)* Note: 15 KV - 25 KV.		
26 18 36 00-0003		Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)* Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	89,070.01	1,025.86
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	100,220.12	1,025.86

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001		Primary Fuse Cutouts *(26 19 18)* Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002		Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)* Note: Includes the fuse and cutout switch.		
26 19 18 00-0003		8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*		
26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	821.22	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	968.34	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.68*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,114.97	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.67*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,137.18	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.83*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,137.18	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0009		**17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 19 18 00-0002)*		
26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	821.22	294.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0011		**17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting** *(26 19 18 00-0002)*		
26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	850.57	294.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0013		**Fuseholders** *(26 19 18 00-0002)*		
		Note: Including current limiting fuse.		
26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	697.51	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	844.63	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.68*	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	991.26	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.67*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	707.67	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	854.79	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.68*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	697.51	294.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0020		**Accessories** *(26 19 18 00-0002)*		
26 19 18 00-0021	EA	Hot Line Clamp	103.85	33.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.07*	
26 19 18 00-0022	EA	Stirrup	113.16	33.11
26 19 18 00-0023		**Loadbreak Current Limiting Primary Fuse Cutouts** *(26 19 18 00-0001)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024		**8.3 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,049.76	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,196.88	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.68*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,343.51	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.67*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,387.02	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.83*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,387.02	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.83*	
26 19 18 00-0030		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	1,049.76	294.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0032		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	1,049.76	294.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0034		**Fuseholders** *(26 19 18 00-0023)*		
		Note: Includes current limiting fuses.		
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	707.99	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	855.11	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.68*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	1,001.74	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.67*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	707.99	367.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.54*	
26 19 18 00-0039		**Pole Mounted Capacitors** *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,895.81	296.59

26 19 80 Transmission and Distribution Accessories *(26 19)*

26 19 80 60 Structure Assemblies *(26 19 80)*

26 19 80 60-0001 Pole Structure Assemblies *(26 19 80 60)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0002		**5 KV Pole Structure Assemblies** *(26 19 80 60-0001)* Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	601.30	279.53
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,004.79	470.79
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,147.11	367.80
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	655.69	191.25
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	831.55	264.82
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,453.43	529.63
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,140.67	397.22
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,083.60	794.45
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,368.20	897.43
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,294.21	441.36
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,097.05	470.79
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,059.42	956.28
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,572.33	573.77
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	980.89	411.94
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,843.00	838.59
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,451.05	426.65
26 19 80 60-0019		**15 KV Pole Structure Assemblies** *(26 19 80 60-0001)* Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	630.65	279.53
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,046.72	470.79
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,289.69	367.80
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	706.01	191.25
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	902.84	250.10
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,596.01	529.63
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,245.51	397.22
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,297.47	794.45
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,657.55	897.43
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,436.79	441.36
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,151.56	470.79
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,113.93	956.28
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,681.36	573.77
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,035.40	397.22
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,897.51	838.59
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,560.08	514.92
26 19 80 60-0036		**25 KV Pole Structure Assemblies** *(26 19 80 60-0001)* Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,935.81	441.36
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,186.53	220.68
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,720.27	338.38
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,256.30	691.46
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,155.24	514.92
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,473.19	1,015.13
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,307.56	1,147.53
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,323.40	669.40
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,021.55	669.40
26 19 80 60-0046		**50 KV Pole Structure Assemblies** *(26 19 80 60-0001)* Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,600.62	603.19
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,415.77	308.96
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,790.14	485.49
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,362.22	985.70
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,578.28	735.60
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,951.07	1,471.21
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,860.89	1,633.04
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,989.39	794.45
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,008.97	919.50
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,900.79	868.01
26 19 80 60-0057		**Overhead To Underground Conversion Structures** *(26 19 80 60)* Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058		**5 KV Structures** *(26 19 80 60-0057)* Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,188.53	2,942.40
26 19 80 60-0063		**15 KV Structures** *(26 19 80 60-0057)* Note: Excludes pole.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,385.84	2,942.40
26 19 80 60-0068		25 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,601.10	2,942.40
26 19 80 60-0073		Transformer Stations *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		5 KV Station *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,987.88	3,922.22
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	11,194.78	4,413.61
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	12,401.69	4,903.51
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	12,401.69	4,903.51
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,987.88	3,922.22
26 19 80 60-0080		15 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	10,292.84	3,921.11
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	11,499.74	4,413.61
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	12,706.65	4,903.51
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	12,706.65	4,903.51
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	10,292.84	3,922.22
26 19 80 60-0086		25 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	10,625.52	3,922.22
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	11,832.42	4,413.61
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	13,039.33	4,903.51
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	13,039.33	4,903.51
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	10,625.52	3,922.22

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001		Service Drop Cable And Weatherheads *(26 21 13)*		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.55	3.51
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.58	4.14
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.82	4.67
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	18.68	5.88
26 21 13 00-0008		Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.77	4.14
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.58	4.67
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.27	5.88
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	21.82	7.18
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	28.36	9.49
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	36.43	11.77
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	49.96	14.01
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.62	4.67
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.26	5.88
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	22.33	7.55
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	29.47	9.49
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	32.86	10.51
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	38.28	11.77
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	44.91	14.01
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	57.63	15.48

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0025		**Weatherproof Conduit Hubs** *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	62.30	23.64
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	71.07	26.86
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	82.57	30.08
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	115.21	40.29
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	126.71	43.52
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	163.84	50.50
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	215.37	56.94
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	278.28	67.15
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	492.54	134.31
26 21 13 00-0035		**Galvanized Threaded Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	70.11	23.64
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	80.42	26.86
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	92.16	30.08
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	123.85	40.29
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	140.29	43.52
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	185.10	50.50
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	314.59	56.94
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	357.87	67.15
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	585.67	134.31
26 21 13 00-0045		**Aluminum Clamp-On Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	67.70	23.64
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	76.38	26.86
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	86.69	29.95
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	115.21	40.29
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	128.63	43.52
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	151.75	50.50
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	252.04	56.94
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	326.41	67.15
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	458.81	100.73
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	548.23	134.31
26 21 13 00-0056		**Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	64.38	23.64
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	73.62	26.86
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	83.54	29.95
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	111.33	40.29
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	121.20	43.52
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	148.18	50.50
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	243.31	56.94
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	273.21	67.15
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	467.08	100.73
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	646.09	134.31

26 21 16 Low-Voltage Underground Electrical Service Entrance *(26 21)*

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial *(26 21 16)*

Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,956.86	1,307.75
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,704.59	1,384.69
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,788.28	1,471.21
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,121.07	1,471.21
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	9,058.68	1,569.33
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,777.10	1,810.75
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	13,173.32	2,353.92

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,800.38	344.49
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,518.76	413.39
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,280.92	431.31
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,050.02	447.84
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,908.91	482.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,103.10	516.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*303.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*455.22*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,801.71	551.18
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*334.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*502.45*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,485.30	620.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*312.26*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*468.38*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,977.13	688.98
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*379.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*569.94*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,954.32	826.78
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*515.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*772.56*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,251.65	964.58
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*666.13*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*999.19*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,578.22	1,240.17
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,104.89*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,657.34*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,953.35	1,515.76
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,096.09*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,144.14*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	71,079.56	1,722.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,381.73*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,072.60*	
26 22 13 00-0017		**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,001.52	413.39
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,452.10	430.62
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,123.54	447.84
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,730.25	482.29
26 22 13 00-0022		**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,406.58	516.74
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,136.68	551.18
26 22 13 00-0025		**208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0026	EA	0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,475.26	310.04
26 22 13 00-0027	EA	1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,683.38	344.49
26 22 13 00-0028	EA	2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,244.38	378.94
26 22 13 00-0029	EA	3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,620.94	413.39
26 22 13 00-0030	EA	5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,970.95	431.31
26 22 13 00-0031	EA	7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,442.39	447.84
26 22 13 00-0032	EA	10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,519.09	482.29
26 22 13 00-0033	EA	15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,312.53	516.74
26 22 13 00-0034		**1 Phase Mounting Brackets** *(26 22 13 00-0001)*		
26 22 13 00-0035	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	673.41	245.42
26 22 13 00-0036		**1 Phase Weathershields** *(26 22 13 00-0001)*		
		Note: Use with types DT-3 and DS-3.		
26 22 13 00-0037	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	218.65	
26 22 13 00-0038	EA	50 KVA 1 Phase Weathershields, Set Of 2	278.70	
26 22 13 00-0039	EA	75 KVA 1 Phase Weathershields, Set Of 2	332.34	
26 22 13 00-0040	EA	100 KVA 1 Phase Weathershields, Set Of 2	396.48	
26 22 13 00-0041	EA	167 KVA 1 Phase Weathershields, Set Of 2	536.41	
26 22 13 00-0042	EA	250 KVA 1 Phase Weathershields, Set Of 2	641.36	
26 22 13 00-0043	EA	333 KVA 1 Phase Weathershields, Set Of 2	787.13	
26 22 13 00-0044		**Packaged Power Supply** *(26 22 13 00-0001)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0045	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	4,075.68	430.62
26 22 13 00-0046	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,654.30	447.84
26 22 13 00-0047	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	5,047.32	482.29
26 22 13 00-0048	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	6,332.41	516.74
26 22 13 00-0049	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	9,006.19	551.18
26 22 13 00-0050		**240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0051	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	3,039.78	310.04
26 22 13 00-0052	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,449.70	344.49
26 22 13 00-0053	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,170.56	413.39
26 22 13 00-0054	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,758.91	430.62
26 22 13 00-0055	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	6,551.34	447.84
26 22 13 00-0056	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	8,602.63	482.29
26 22 13 00-0057	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	11,341.92	516.74
26 22 13 00-0058		**600 Volt, 208/120 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)*		
26 22 13 00-0059	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,154.26	516.74
26 22 13 00-0060	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,658.06	551.18
26 22 13 00-0061	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,208.11	585.64
26 22 13 00-0062	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,309.45	620.09
26 22 13 00-0063	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,088.77	654.53
26 22 13 00-0064	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	28,412.44	688.98
26 22 13 00-0065		**3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)* Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066		**Packaged Power Supply** *(26 22 13 00-0065)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	18,370.17	1,481.32
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*770.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,155.57*	
26 22 13 00-0068	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	22,262.59	1,584.67
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*954.66*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,432.00*	
26 22 13 00-0069	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	26,872.07	1,722.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,171.36*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,757.04*	
26 22 13 00-0070		**Drive Isolation Transformers** *(26 22 13 00-0065)* Note: Only use in step-up applications.		
26 22 13 00-0071		**230 Volt Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0072	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,542.70	551.18
26 22 13 00-0073	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,377.23	585.64
26 22 13 00-0074	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,799.26	620.09
26 22 13 00-0075	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,161.14	654.53
26 22 13 00-0076	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,661.48	723.43
26 22 13 00-0077	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,221.23	792.33
26 22 13 00-0078	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,496.62	861.23
26 22 13 00-0079	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,711.97	964.58
26 22 13 00-0080	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,612.44	999.03
26 22 13 00-0081	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	28,499.84	1,033.47
26 22 13 00-0082	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,022.12	1,067.92
26 22 13 00-0083	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	40,360.58	1,309.06
26 22 13 00-0084	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,079.63	1,377.97
26 22 13 00-0085	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	51,738.55	1,446.86
26 22 13 00-0086	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	63,142.56	1,722.46
26 22 13 00-0087	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	83,839.22	2,032.50
26 22 13 00-0088	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	88,424.25	2,239.20
26 22 13 00-0089	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	107,867.21	2,480.34
26 22 13 00-0090	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	133,363.44	2,755.93
26 22 13 00-0091		**208V Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0092	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,023.21	551.18
26 22 13 00-0093	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,947.62	585.64
26 22 13 00-0094	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,387.62	620.09
26 22 13 00-0095	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,866.21	654.53
26 22 13 00-0096	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,385.01	723.43
26 22 13 00-0097	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,948.21	757.88
26 22 13 00-0098	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,470.22	895.68
26 22 13 00-0099	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	23,769.82	964.58
26 22 13 00-0100	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	25,763.51	999.03
26 22 13 00-0101	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	29,845.28	1,033.47
26 22 13 00-0102	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	37,746.93	1,067.92
26 22 13 00-0103	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	42,281.67	1,309.06
26 22 13 00-0104	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	47,233.90	1,377.97
26 22 13 00-0105	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	54,224.75	1,446.86
26 22 13 00-0106	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	66,181.17	1,722.46
26 22 13 00-0107		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps** *(26 22 13 00-0065)*		
26 22 13 00-0108	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,288.03	568.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0109	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,680.38	620.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*422.01*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*633.02*	

26 22 13 00-0110 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,787.11	757.88
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*463.57*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*695.35*	
		For K4 Factor Rating, Add	*6,489.95*	
		For K13 Factor Rating, Add	*9,271.35*	
		For K20 Factor Rating, Add	*12,052.76*	
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,113.46	826.78
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*573.00*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*859.49*	
		For K4 Factor Rating, Add	*8,021.93*	
		For K13 Factor Rating, Add	*11,459.90*	
		For K20 Factor Rating, Add	*14,897.87*	
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,678.18	895.68
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*594.34*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*891.51*	
		For K4 Factor Rating, Add	*8,320.78*	
		For K13 Factor Rating, Add	*11,886.83*	
		For K20 Factor Rating, Add	*15,452.88*	
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,175.81	964.58
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*812.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,218.50*	
		For K4 Factor Rating, Add	*11,372.66*	
		For K13 Factor Rating, Add	*16,246.66*	
		For K20 Factor Rating, Add	*21,120.66*	
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	17,840.01	1,033.47
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*788.65*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,182.98*	
		For K4 Factor Rating, Add	*11,041.14*	
		For K13 Factor Rating, Add	*15,773.06*	
		For K20 Factor Rating, Add	*20,504.98*	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	22,253.70	1,240.17
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*988.67*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,483.00*	
		For K4 Factor Rating, Add	*13,841.35*	
		For K13 Factor Rating, Add	*19,773.36*	
		For K20 Factor Rating, Add	*25,705.37*	
26 22 13 00-0117	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	29,126.75	1,377.97
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,318.54*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,977.81*	
		For K4 Factor Rating, Add	*18,459.57*	
		For K13 Factor Rating, Add	*26,370.82*	
		For K20 Factor Rating, Add	*34,282.07*	
26 22 13 00-0118	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	39,881.12	1,722.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,821.81*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,732.72*	
		For K4 Factor Rating, Add	*25,505.35*	
		For K13 Factor Rating, Add	*36,436.21*	
		For K20 Factor Rating, Add	*47,367.07*	
26 22 13 00-0119	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	48,575.43	2,135.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,215.19*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,322.78*	
		For K4 Factor Rating, Add	*31,012.61*	
		For K13 Factor Rating, Add	*44,303.73*	
		For K20 Factor Rating, Add	*57,594.85*	
26 22 13 00-0120	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	70,111.90	2,618.14
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,243.78*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,865.67*	
		For K4 Factor Rating, Add	*45,412.94*	
		For K13 Factor Rating, Add	*64,875.63*	
		For K20 Factor Rating, Add	*84,338.32*	
26 22 13 00-0121	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	164,585.16	3,145.98
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*7,912.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*11,868.49*	
		For K4 Factor Rating, Add	*110,772.56*	
		For K13 Factor Rating, Add	*158,246.52*	
		For K20 Factor Rating, Add	*205,720.48*	
26 22 13 00-0122	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	217,574.53	3,444.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*10,534.23*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*15,801.35*	
		For K4 Factor Rating, Add	*147,479.28*	
		For K13 Factor Rating, Add	*210,684.69*	
		For K20 Factor Rating, Add	*273,890.10*	

26 22 13 00-0123 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0124	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,862.14	533.96
		For K4 Factor Rating, Add	*3,355.95*	
		For K13 Factor Rating, Add	*4,794.22*	
		For K20 Factor Rating, Add	*6,232.49*	
26 22 13 00-0125	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,288.03	568.41
		For K4 Factor Rating, Add	*4,305.85*	
		For K13 Factor Rating, Add	*6,151.21*	
		For K20 Factor Rating, Add	*7,996.57*	
26 22 13 00-0126	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,680.38	620.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*422.01*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*633.02*	
		For K4 Factor Rating, Add	*5,908.15*	
		For K13 Factor Rating, Add	*8,440.21*	
		For K20 Factor Rating, Add	*10,972.27*	

26 22 13 00-0127 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps

(26 22 13 00-0065)

26 22 13 00-0128	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,164.16	757.88
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*882.42*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,323.63*	
		For K4 Factor Rating, Add	*12,353.88*	
		For K13 Factor Rating, Add	*17,648.40*	
		For K20 Factor Rating, Add	*22,942.92*	
26 22 13 00-0129	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,430.50	895.68
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*981.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,472.94*	
		For K4 Factor Rating, Add	*13,747.41*	
		For K13 Factor Rating, Add	*19,639.15*	
		For K20 Factor Rating, Add	*25,530.90*	
26 22 13 00-0130	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	31,935.76	1,033.47
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,493.44*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,240.16*	
		For K4 Factor Rating, Add	*20,908.17*	
		For K13 Factor Rating, Add	*29,868.81*	
		For K20 Factor Rating, Add	*38,829.45*	
26 22 13 00-0131	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	40,155.60	1,240.17
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,883.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,825.64*	
		For K4 Factor Rating, Add	*26,372.68*	
		For K13 Factor Rating, Add	*37,675.26*	
		For K20 Factor Rating, Add	*48,977.84*	
26 22 13 00-0132	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	48,491.14	1,377.97
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,286.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,430.14*	
		For K4 Factor Rating, Add	*32,014.65*	
		For K13 Factor Rating, Add	*45,735.21*	
		For K20 Factor Rating, Add	*59,455.77*	
26 22 13 00-0133	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	62,205.79	1,722.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,938.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,407.07*	
		For K4 Factor Rating, Add	*41,132.62*	
		For K13 Factor Rating, Add	*58,760.88*	
		For K20 Factor Rating, Add	*76,389.14*	
26 22 13 00-0134	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	75,588.51	2,135.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,565.84*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,348.76*	
		For K4 Factor Rating, Add	*49,921.77*	
		For K13 Factor Rating, Add	*71,316.81*	
		For K20 Factor Rating, Add	*92,711.85*	
26 22 13 00-0135	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	122,370.31	2,618.14
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*5,856.70*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*8,785.05*	
		For K4 Factor Rating, Add	*81,993.83*	
		For K13 Factor Rating, Add	*117,134.04*	
		For K20 Factor Rating, Add	*152,274.25*	

26 22 13 00-0136 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0136)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	9,001.88	620.09
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	13,810.73	757.88
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	20,513.41	895.68
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	26,336.29	1,033.47
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	39,917.00	1,240.17
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	48,699.91	1,377.97
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	56,501.93	1,722.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	90,418.53	2,135.85
26 22 13 00-0146		**3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise** *(26 22 13 00-0136)* Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	10,560.19	620.09
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	16,271.22	757.88
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	24,256.33	895.68
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	31,182.70	1,033.47
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	47,402.85	1,240.17
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	57,893.18	1,377.97
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	67,111.84	1,722.46
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	107,649.39	2,135.85
26 22 13 00-0155		**NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0065)*		
26 22 13 00-0156		**Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0155)* Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0157		**150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0156)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,650.67	615.52
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,453.82	752.30
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,361.81	889.08
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,129.59	1,025.86
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,479.95	1,231.03
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,725.38	1,367.82
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,503.04	1,709.77
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	21,705.33	2,120.11
26 22 13 00-0166		**115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0156)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,378.67	615.52
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,335.65	752.30
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,437.15	889.08
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,653.19	1,025.86
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,052.55	1,231.03
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,422.31	1,367.82
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,128.33	1,709.77
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	26,944.86	2,120.11
26 22 13 00-0175		**80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0156)*		
26 22 13 00-0176	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,103.73	615.52
26 22 13 00-0177	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,219.93	752.30
26 22 13 00-0178	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,512.50	889.08
26 22 13 00-0179	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,174.35	1,025.86
26 22 13 00-0180	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,036.66	1,231.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0181	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	17,119.23	1,367.82
26 22 13 00-0182	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,753.63	1,709.77
26 22 13 00-0183	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	32,184.39	2,120.11
26 22 13 00-0184		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0185		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,861.22	615.52
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,925.99	752.30
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,152.41	889.08
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,667.29	1,025.86
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,066.05	1,231.03
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,313.34	1,367.82
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,668.49	1,709.77
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	30,619.14	2,120.11
26 22 13 00-0194		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,586.28	615.52
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,810.27	752.30
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,227.76	889.08
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,190.91	1,025.86
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,926.50	1,231.03
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,276.07	1,367.82
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,145.63	1,709.77
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,292.31	2,120.11
26 22 13 00-0203		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0204	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,313.79	615.52
26 22 13 00-0205	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,694.54	752.30
26 22 13 00-0206	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,303.09	889.08
26 22 13 00-0207	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,712.05	1,025.86
26 22 13 00-0208	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	20,027.61	1,231.03
26 22 13 00-0209	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,775.85	1,367.82
26 22 13 00-0210	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,620.31	1,709.77
26 22 13 00-0211	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	48,018.11	2,120.11
26 22 13 00-0212		3 Phase Weathershields *(26 22 13 00-0065)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0213	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,050.40	
26 22 13 00-0214	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,481.96	
26 22 13 00-0215	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,481.96	
26 22 13 00-0216		Three Phase Mounting Brackets *(26 22 13 00-0065)*		
26 22 13 00-0217	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,585.39	245.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0218		**Foam Core Poly Transformer Pads** *(26 22 13)*		
26 22 13 00-0219	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	528.12	45.02

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		**Fusible Switch Type 240 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0002		**Incoming Service Section Main Device Only** *(26 24 13 00-0001)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,526.29	1,174.79
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,001.27	1,242.61
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,983.37	1,409.56
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,598.63	1,511.09
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,669.01	1,611.15
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,228.55	1,713.08
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,441.01	1,174.79
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,929.06	1,242.61
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,606.87	1,410.76
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,075.77	1,511.09
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,669.01	1,612.76
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,228.55	1,713.08
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,259.08	1,790.98
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,684.03	1,918.71
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	24,383.10	2,068.32
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,111.56	1,040.88
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,429.86	1,108.16
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,929.69	1,275.65
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,230.80	1,329.24
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,498.15	1,377.18
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,923.20	1,476.57
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,321.77	1,577.84
26 24 13 00-0025		**Branch Breaker Units** *(26 24 13 00-0001)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	378.79	40.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.58*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	555.69	64.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.68*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,483.73	117.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.51*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,625.50	153.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.87*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,692.92	376.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.60*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,477.92	376.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.60*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	12,133.40	670.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*402.12*	
26 24 13 00-0033		**Fusible Switch Type 480 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0034		**Incoming Service Section Main Device Only** *(26 24 13 00-0033)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,399.52	1,524.39
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,136.14	1,524.39
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,474.85	1,981.03
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,852.58	1,981.03
26 24 13 00-0039		**Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0040		**Incoming Service Section Main Device Only** *(26 24 13 00-0039)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,070.65	1,040.88
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,524.44	1,108.16
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,865.29	1,275.65
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,457.55	1,376.11
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,938.99	1,040.88
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,205.46	1,108.16
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,668.77	1,275.65
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,376.28	1,376.11
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	14,518.35	1,544.53
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,878.01	906.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,218.58	973.86
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,778.05	1,141.34
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,061.54	1,194.93
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,335.19	1,242.61
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,701.31	1,329.24
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,058.70	1,409.56
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,278.78	1,745.99
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,021.75	1,913.87
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	8,232.54	2,064.97

26 24 13 00-0060 Branch Breaker Units *(26 24 13 00-0039)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	205.88	35.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.35*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	327.48	59.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.46*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	981.59	82.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.56*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,800.52	106.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.66*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,426.42	258.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.11*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,274.43	258.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.11*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,357.16	493.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*296.18*	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0069 Incoming Service Section Main Device Only *(26 24 13 00-0068)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,527.93	1,174.79
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,999.43	1,242.61
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,980.99	1,409.56
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,595.91	1,511.09
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,662.82	1,611.15
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,228.55	1,713.08
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,442.65	1,174.79
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,927.22	1,242.61
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,606.87	1,410.76
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,073.05	1,511.09
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,665.91	1,612.76
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,228.55	1,713.08
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,256.11	1,040.88
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,631.98	1,108.16
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,232.45	1,275.65
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,547.31	1,329.24
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,851.08	1,377.18
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,263.10	1,476.57
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,680.93	1,577.84
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,731.54	1,793.00
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,437.88	1,918.57
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,750.92	2,061.61

26 24 13 00-0092 Branch Breaker Units *(26 24 13 00-0068)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	378.79	40.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.58*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	555.69	64.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.68*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,483.73	117.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.51*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,625.50	153.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.87*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,692.92	376.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.60*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	7,477.92	376.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.60*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	12,133.40	670.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*402.12*	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0101 Incoming Service Section Main Device Only *(26 24 13 00-0100)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,883.02	1,611.15
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,448.68	1,713.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,091.78	1,912.13
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,931.89	2,047.37
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,436.01	1,611.15
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,929.46	1,713.08
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,246.58	1,914.27
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,145.56	2,047.37
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,806.76	2,183.16
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,440.03	2,318.81
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,256.11	1,040.88
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,631.98	1,108.16
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,232.45	1,275.65
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,547.31	1,329.24
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,851.08	1,377.18
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,263.10	1,476.57
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,680.93	1,577.84

26 24 13 00-0119 Branch Breaker Units *(26 24 13 00-0100)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	777.70	40.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.58*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	898.94	64.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.68*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,630.31	117.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.51*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,625.50	153.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.87*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	6,292.30	376.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.60*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	6,435.17	376.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.60*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	10,335.49	670.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*402.12*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	810.48	105.43
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	807.70	105.43
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	807.70	105.43
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,263.84	139.01
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,263.84	139.01
		For Electrical Interlock Kit, Add	*324.36*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	924.61	103.42
		For Electrical Interlock Kit, Add	*310.73*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,341.29	103.42
		For Electrical Interlock Kit, Add	*310.73*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,449.39	278.69

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,036.23	118.86
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,033.45	118.86
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,033.45	118.86
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,553.94	159.16
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,553.94	159.16
		For Electrical Interlock Kit, Add	*324.36*	

26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,118.62	116.84
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,797.87	116.84
		For Electrical Interlock Kit, Add	*310.73*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,610.95	311.99
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,578.01	399.70
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,214.12	541.52

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,456.85	118.86
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,454.04	118.86
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,456.85	118.86
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,188.59	159.16
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,235.56	159.16
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,741.12	208.18
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,571.64	116.84
		For Electrical Interlock Kit, Add	*324.36*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,373.00	116.84
		For Electrical Interlock Kit, Add	*310.73*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,777.57	311.99
		For Electrical Interlock Kit, Add	*310.73*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,019.58	399.70
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,214.12	541.52
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,076.97	1,235.63
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,656.74	1,235.63
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,072.59	1,571.39
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,506.47	1,571.39
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,471.82	1,430.37
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,034.45	1,430.37
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,506.47	1,772.85
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,896.25	1,772.85
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,082.97	1,745.99
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,660.25	1,745.99
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,162.74	2,148.91
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,733.78	2,148.91
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,000.11	1,913.87
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,694.78	1,913.87
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,293.66	2,363.80
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,791.10	2,363.80
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,249.10	1,920.59
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,002.26	2,162.34
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,121.48	2,162.34
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,385.04	2,283.22
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,135.74	2,162.34
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,253.18	2,162.34
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,516.74	2,283.22
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,307.92	2,283.22
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,516.74	2,283.22
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,611.91	2,283.22
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	637.35	161.17
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	718.98	161.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0201	EA	Cable Supports In Pull Box	252.56	40.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.39*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	622.90	188.03
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	1,066.94	241.75
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	1,066.94	241.75
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	803.03	188.03
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,142.11	275.33
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,306.40	275.33
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,373.09	355.91
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,454.35	355.91
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,962.97	1,119.18
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,434.02	1,216.55
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,820.63	1,554.47
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,458.64	1,695.76
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,953.85	1,805.22
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,833.17	981.78
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	3,397.43	932.62
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,760.06	1,011.33
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	8,285.75	1,119.18
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	8,901.95	1,122.13
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	9,775.75	1,252.81
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	193.57	67.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.01*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	235.72	68.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.45*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	1,050.79	80.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.39*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,732.26	173.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.35*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	698.35	242.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.94*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,927.39	139.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.39*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,573.33	582.89
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,652.17	788.24
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,112.50	959.36
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,213.39	1,343.07
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,463.25	1,678.83
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,088.80	1,678.83
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,784.87	2,238.49
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,984.32	2,238.49
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,747.35	2,664.78
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	13,954.46	2,664.78
26 24 13 00-0240		**Main Devices** *(26 24 13)*		
26 24 13 00-0241		**Power Circuit Breakers** *(26 24 13 00-0240)*		
26 24 13 00-0242		**DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,903.60	1,410.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*844.34*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	16,203.44	2,350.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,408.81*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	36,222.47	3,948.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,348.03*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	58,392.59	6,393.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,904.27*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,003.63	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	387.91	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	508.91	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	366.56	
26 24 13 00-0251		**DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,399.55	1,477.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*890.63*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	19,262.11	2,484.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,483.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	40,637.86	4,096.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,468.88*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	62,865.37	6,715.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,128.29*	
26 24 13 00-0256		**DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)* Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	7,120.31	1,289.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*774.85*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,986.42	2,162.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,291.41*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	19,326.06	3,626.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,152.35*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	33,310.75	5,842.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,584.70*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	54,249.52	9,535.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,960.37*	
26 24 13 00-0262		**DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)* Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,342.59	1,235.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*739.03*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,521.38	2,068.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,231.42*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	22,201.52	3,438.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,055.72*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	36,652.60	5,600.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,426.20*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	57,436.28	9,602.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,723.30*	
26 24 13 00-0268		**Molded Case Circuit Breakers Conventional** *(26 24 13 00-0241)*		
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,128.90	1,128.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*649.87*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,496.88	1,128.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*706.88*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,985.02	1,343.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*774.85*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,899.56	1,343.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*839.42*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,650.14	1,611.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*919.91*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,827.79	1,611.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,017.48*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	384.35	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	88.97	
26 24 13 00-0277		**Switchboard Branch Breaker 480 Volt** *(26 24 13 00-0240)*		
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	626.92	97.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.40*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	742.20	129.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.49*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,112.26	194.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.72*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,789.56	244.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.41*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,382.42	327.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*196.36*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	4,089.59	419.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.83*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,571.15	639.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*383.74*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,571.15	639.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*383.74*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,216.13	895.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*537.23*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	11,542.59	1,343.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*805.84*	
26 24 13 00-0288		**Switchboard 277/480 Volt Main Breaker** *(26 24 13 00-0240)*		
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,436.04	582.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.76*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,546.86	638.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*383.00*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	8,188.85	959.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*575.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,950.33	1,343.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*805.84*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,235.59	1,485.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*891.42*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	18,926.34	2,664.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,598.89*	
26 24 13 00-0295		Branch Or Distribution Devices *(26 24 13)*		
26 24 13 00-0296		3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	672.52	48.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	679.61	60.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,632.74	72.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,367.20	94.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.45*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,336.87	116.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.36*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,369.91	135.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.66*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,668.88	153.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.34*	
26 24 13 00-0304		2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	463.49	36.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	595.58	48.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,626.53	60.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,576.02	67.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.32*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,722.80	87.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.43*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,168.29	126.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.61*	
26 24 13 00-0311		Meter Devices And Instrumentation *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		Compartments For Instrument Transformers And Metering Devices *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	464.42	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	670.84	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	790.06	
26 24 13 00-0316		Instruments *(26 24 13 00-0311)*		
26 24 13 00-0317	EA	AC Voltmeter	633.47	
26 24 13 00-0318	EA	AC Ammeter	633.47	
26 24 13 00-0319	EA	AC Wattmeter	1,692.21	
26 24 13 00-0320	EA	Variometer	1,911.08	
26 24 13 00-0321	EA	Power Factor Meter	1,526.73	
26 24 13 00-0322	EA	Frequency Meter	1,685.10	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	569.41	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,144.18	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,587.28	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,509.15	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	83.71	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,327.16	
26 24 16		**Panelboards** *(26 24)*		
26 24 16 00-0001		Branch Circuit Panelboard *(26 24 16)*		
		Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*		
		Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,373.99	382.77
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,565.93	382.77
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,781.63	530.51
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,999.08	530.51
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,204.41	664.82
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,415.07	664.82
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,618.40	765.55
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,150.42	980.44
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,319.71	980.44
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	3,484.52	1,121.46
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,749.45	1,121.46
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,911.92	1,262.48
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,155.01	1,262.48
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,305.75	1,396.79
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,547.35	1,396.79
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,771.65	1,544.53
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,924.85	1,544.53
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,153.12	1,544.53
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,614.36	369.35
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,809.20	369.35
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,262.91	631.24
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,564.63	631.24
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,774.05	772.26
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,992.63	772.26
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,186.36	926.72
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,851.17	926.72
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,024.56	1,134.90
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,213.21	1,134.90
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,420.14	1,275.92
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,587.30	1,275.92
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,765.74	1,396.79
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,957.21	1,396.79
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,163.83	1,651.97
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,388.17	1,651.97
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,633.45	1,651.97
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,784.38	1,745.99
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0041		**120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,655.04	436.50
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,861.19	436.50
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,094.44	584.24
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,338.52	584.24
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,557.95	718.55
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,792.67	718.55
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,013.29	852.85
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,243.39	852.85
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,455.05	1,000.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,698.77	1,000.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,949.02	1,155.04
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,192.68	1,155.04
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,685.53	1,396.79
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,855.48	1,396.79
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,138.63	1,551.25
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,398.65	1,551.25
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,579.87	1,692.27
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,842.81	1,692.27
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,643.12	1,501.55
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,830.53	1,578.10
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,126.98	1,662.05
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,407.44	1,759.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,600.59	1,813.14
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,916.50	1,923.94
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,951.30	423.07
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,160.18	423.07
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,406.89	557.37
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,743.26	557.37
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,261.81	839.42
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,475.69	839.42
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,708.34	980.44
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,903.51	980.44
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,163.89	1,134.90
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,344.64	1,134.90
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,630.83	1,275.92
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,874.53	1,275.92
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,718.65	1,477.37
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,974.96	1,557.96
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,085.85	1,557.96
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,374.52	1,759.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,573.17	1,759.43
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	6,708.07	1,759.43
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,705.48	1,618.40
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,986.54	1,712.41
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,101.38	1,759.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,413.47	1,866.87
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,611.17	1,920.59
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,801.03	1,987.74
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,855.93	429.78
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,126.55	429.78
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,385.66	590.95
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,656.24	590.95
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,908.05	738.69
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,173.80	738.69
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,451.52	893.14
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,705.33	893.14
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	3,985.23	1,061.02
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,255.13	1,061.02
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,502.62	1,208.76
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,768.39	1,208.76
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,340.32	1,470.66
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,605.77	1,470.66
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,888.94	1,611.68
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	6,093.31	1,611.68
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,409.37	1,779.57
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,632.50	1,779.57
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,354.52	456.64
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,618.78	496.93
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,886.06	617.81
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,472.21	752.12
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,728.60	832.70
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,961.37	899.86
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,218.95	980.44
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,466.45	1,061.02
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,692.00	1,128.17
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,934.74	1,195.33
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,198.27	1,275.92
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,487.23	1,376.65
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,864.32	1,531.10
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,140.97	1,625.12
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,334.69	1,665.41
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,647.06	1,772.85
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	7,861.17	1,840.01
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,083.60	1,897.76
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,249.01	470.08
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,548.96	470.08
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,840.75	624.53
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,135.04	624.53
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,434.37	772.26
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,727.19	772.26
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,025.08	926.72
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,321.65	926.72
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,647.10	1,087.88
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,917.22	1,087.88
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,203.50	1,094.60
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,509.27	1,094.60
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,280.52	1,517.67
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,593.09	1,517.67
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,830.85	1,598.25
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,173.58	1,705.70
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,428.49	1,705.70
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,810.57	1,866.87
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0148		**277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,914.32	577.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,221.73	577.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,516.97	765.55
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	4,191.23	765.55
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,477.44	967.01
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,763.16	967.01
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	5,038.79	1,108.03
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,292.47	1,108.03
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,563.34	1,262.48
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,854.98	1,262.48
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	6,103.84	1,396.79
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,365.74	1,396.79
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	8,267.52	1,651.97
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,587.91	1,651.97
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,820.48	1,806.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	9,180.24	1,806.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	9,435.48	1,974.31
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	9,699.90	1,974.31
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	11,478.97	2,198.60
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	13,965.92	2,639.13
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	707.81
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	815.66
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,116.17
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,289.43
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,460.19
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,635.51
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,776.64
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,946.72
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,137.38
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,278.63
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,491.86
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,054.52
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,196.90
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,921.96
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,136.53
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,339.27
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,026.78
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,272.93
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,493.86
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,417.33	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,517.08	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,800.70	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,970.58	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,128.50	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,434.91	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,567.25	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,729.23	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,982.05	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,118.20	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,318.80	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,755.94	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,889.53	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,737.57	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,935.93	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,126.50	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,797.12	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,035.17	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,254.06	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	798.77	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	940.37	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,060.40	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,204.46	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,387.07	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,537.05	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,772.93	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,911.63	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,065.38	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,289.65	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,524.77	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,980.23	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0227		**Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0213)*		
26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,235.42	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,394.09	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,607.56	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,373.27	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,571.11	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,758.76	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,806.45	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,036.39	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,226.69	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0237		**Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0213)*		
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,508.30	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,641.78	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,753.03	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,888.99	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,068.22	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,205.36	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,572.33	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,702.24	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,847.89	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,134.32	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,353.90	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,809.36	
26 24 16 00-0250		**Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0213)*		
26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,936.83	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,086.73	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,295.46	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,188.89	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,370.51	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,546.00	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,285.24	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,522.20	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,724.39	
26 24 16 00-0260		**480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,138.02	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,251.26	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,731.50	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,932.45	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,106.46	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,108.64	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,224.50	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,417.98	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,576.10	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,761.58	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,017.37	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,320.00	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,393.14	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,598.98	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,741.19	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,029.39	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,935.89	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,112.85	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,342.11	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,493.73	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,738.64	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,959.16	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0285		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,823.22	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,936.46	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,400.48	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,719.01	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,879.50	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,881.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,977.27	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,141.70	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,367.39	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,536.35	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,756.65	

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,151.16	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,224.30	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,274.04	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,410.17	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,815.95	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,708.94	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,865.63	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,065.83	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,217.45	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,443.82	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,661.55	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,183.97	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,297.88	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,503.01	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,799.11	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,001.56	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,174.27	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,197.97	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,335.32	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,527.31	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,685.63	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,872.10	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,128.89	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,556.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,630.33	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,851.11	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,924.09	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,066.85	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,354.34	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,317.21	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,496.29	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,723.14	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,950.63	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,197.85	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,418.28	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,869.17	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,983.08	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,178.07	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,468.09	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,788.12	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,947.32	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,973.04	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,088.09	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,251.02	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,476.92	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,646.49	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,866.80	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,225.49	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,299.31	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,637.67	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,599.15	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,735.83	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,140.90	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,090.25	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,249.06	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,446.85	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,674.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,902.64	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,119.70	
26 24 16 00-0362		600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)* Note: Square D I-Line or equal.		
26 24 16 00-0363		Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*		
26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,062.86	399.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.66*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,401.57	399.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.60*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,656.64	399.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.60*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,071.71	655.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*393.47*	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,269.12	655.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*393.47*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,485.76	655.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*393.47*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,799.68	871.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*523.02*	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,990.20	874.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*524.62*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,066.98	871.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*523.02*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,693.30	871.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*523.02*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,153.02	1,311.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*786.93*	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,579.30	1,311.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*786.93*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,927.84	1,311.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*786.93*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,353.25	1,311.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*786.93*	
26 24 16 00-0378		Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*		
26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,911.52	407.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*244.72*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,119.98	462.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*277.59*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,366.31	462.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*277.59*	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,091.34	462.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*277.59*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,976.54	758.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*455.04*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,384.14	760.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*456.25*	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,719.04	758.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*455.04*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,096.56	1,013.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*608.34*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,577.70	1,010.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*606.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	11,058.14	1,010.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*606.19*	

26 24 16 00-0389 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0390 Residential Type Unassembled Load Center *(26 24 16 00-0389)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	177.04	67.15
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	600.72	268.62
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	904.32	383.45
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,930.80	805.98
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,110.20	872.99

26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.

26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	243.41	73.87
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	427.43	80.58

26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*

26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	247.33	73.87
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	275.57	80.58
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	982.63	383.45
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,229.37	872.99

26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.

26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	303.00	73.87
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,148.88	805.98

26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,301.92	805.98
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,498.35	872.99
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	8,499.16	1,343.07

26 24 16 00-0412 Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.

26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,290.68	805.98
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,588.40	872.99
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,331.12	1,343.07

26 24 16 00-0416 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*

26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,412.58	805.98
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,687.32	872.99

26 24 16 00-0419 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.

26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,474.20	805.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,608.32	872.99
26 24 16 00-0422		**Residential Type Assembled Load Center** *(26 24 16 00-0389)*		
26 24 16 00-0423		**Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	904.83	383.45
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,098.45	447.91
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	923.56	383.45
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,103.55	447.91
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,592.42	596.99
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,880.79	716.53
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,152.01	826.66
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,368.63	894.89
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,545.85	1,343.07
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,658.82	596.99
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,943.78	716.53
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,215.00	826.66
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,428.21	894.89
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,741.63	1,343.07
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,338.01	1,492.28
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,542.30	1,492.28
26 24 16 00-0440		**Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,193.78	447.91
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,780.59	671.53
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,249.96	447.91
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,831.66	671.53
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,249.05	826.66
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,454.70	895.43
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,000.79	1,074.86
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,613.95	1,343.07
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,308.63	826.66
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,521.84	894.89
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,229.24	1,074.06
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,843.77	1,343.07
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,389.08	1,492.28
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,593.37	1,492.28
26 24 16 00-0455		**Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,186.97	447.91
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,756.75	671.53
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,020.39	716.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,317.96	827.06
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,548.33	895.43
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,375.49	1,193.99
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,037.41	716.53
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,351.19	826.66
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,555.89	894.89
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,281.86	1,193.99
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,091.48	1,492.28
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,431.96	1,492.28

26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt *(26 24 16 00-0422)*

Note: Includes 1 pole plug-in breaker.

26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,025.00	895.43
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,158.72	1,343.07
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,126.19	894.89
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,260.86	1,343.07

26 24 16 00-0473 Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*

26 24 16 00-0474 Midget Finger-Safe Fuse Holders *(26 24 16 00-0473)*

Note: 30 Amp capacity. Excludes fuse.

26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	84.01	24.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	98.35	24.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	135.11	36.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	172.55	36.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	197.84	48.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	247.56	48.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	289.15	48.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	234.01	48.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	249.11	60.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	303.71	60.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	98.40	24.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	106.01	24.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	99.80	24.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	

26 24 16 00-0488 Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*

Note: Includes storage, cleaning and supply materials.

26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,685.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*503.65*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	89.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.19*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	6.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.26*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0002		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,553.46	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	3,022.04	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,490.10	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,129.21	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,355.42	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,508.93	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0009		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,553.46	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	3,022.04	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,490.10	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,129.21	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,355.42	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,508.93	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0016		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,692.99	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,917.24	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	7,041.98	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,310.72	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,213.87	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	41,719.31	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0023		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,692.99	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,917.24	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,041.98	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,310.72	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,213.87	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	41,719.31	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,499.33	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,180.08	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,087.23	220.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.52*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,220.00	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,853.85	294.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.71*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,499.33	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,180.08	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,087.23	220.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.52*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,220.00	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,853.85	294.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.71*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,182.60	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,705.72	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,542.67	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	19,792.54	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	34,278.95	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,182.60	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,705.72	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,542.67	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	19,792.54	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	34,278.95	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,657.43	128.85
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,716.21	141.11
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	19,737.01	159.53
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	30,522.35	184.07
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	52,206.89	245.42
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,657.43	128.85
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,716.21	141.11
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	19,737.01	159.53
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	30,522.35	184.07
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	52,206.89	245.42
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,245.34	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,772.16	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,886.38	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	20,241.56	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	27,803.46	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,245.34	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,772.16	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,886.38	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	20,241.56	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	27,803.46	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,579.10	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	22,896.05	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,284.77	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,269.51	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	52,187.16	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	70,818.47	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	
26 24 19 00-0085		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,579.10	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	22,896.05	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,284.77	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,269.51	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	52,187.16	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	70,818.47	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	
26 24 19 00-0092		**Combination Starters With Current Limiting Circuit Breakers** *(26 24 19)*		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,410.53	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,879.10	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,989.36	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,023.92	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	19,720.91	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,137.08	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0100		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,410.53	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,879.10	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,989.36	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,023.92	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,720.91	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,137.08	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0107		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,542.82	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,757.40	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,507.44	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	15,166.80	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	27,511.76	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0113		480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,542.82	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,757.40	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,507.44	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	15,166.80	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	27,511.76	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0119		230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,334.67	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	7,003.34	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,528.55	220.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.52*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,042.28	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	30,125.19	294.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.71*	
26 24 19 00-0125		480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,334.67	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	7,003.34	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,528.55	220.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.52*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,042.28	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	30,125.19	294.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.71*	
26 24 19 00-0131		230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	6,140.66	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,649.46	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	12,124.01	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	22,740.54	239.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.57*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	37,681.46	282.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.35*	
26 24 19 00-0137		480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,140.66	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,649.46	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,124.01	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,740.54	239.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.57*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	37,681.46	282.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.35*	

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,468.63	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,628.31	141.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.67*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,022.83	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	34,870.45	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	57,366.18	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	

26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,468.63	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,628.31	141.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.67*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,022.83	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,870.45	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	57,366.18	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	

26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	6,080.68	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,590.60	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,318.05	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,568.42	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,761.38	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	

26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	6,080.68	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,590.60	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,318.05	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,568.42	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,761.38	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	

26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,271.99	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,581.71	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	25,946.28	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	38,817.55	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	52,612.07	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	73,732.49	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	
26 24 19 00-0174		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)* Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	22,272.04	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.73*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,581.71	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	25,946.28	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	38,817.55	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	52,612.07	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	73,732.49	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	
26 24 19 00-0181		**Combination Starters With Fusible Switch** *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,273.41	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,130.68	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,267.50	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,280.81	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,056.55	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,845.00	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0189		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,273.41	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,130.68	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,267.50	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,280.81	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,056.55	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,845.00	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0196		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,661.61	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,448.38	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,707.83	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,184.19	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,814.08	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,071.84	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0203		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,661.61	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,448.38	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,707.83	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,184.19	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,814.08	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,071.84	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0210		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,296.53	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,900.02	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,268.30	220.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.52*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,533.85	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,325.13	294.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.71*	
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,296.53	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,900.02	208.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.17*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,268.30	220.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.52*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,533.85	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,325.13	294.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.71*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,888.06	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,444.98	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,711.67	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,574.27	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,888.06	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,444.98	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,711.67	134.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.99*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,574.27	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,394.28	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,041.65	141.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.67*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,716.71	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,991.70	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,696.54	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,394.28	128.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.31*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,041.65	141.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.67*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,716.71	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,991.70	184.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,696.54	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,276.72	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,979.79	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,094.50	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,083.65	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,276.72	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,979.79	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,094.50	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,083.65	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,576.68	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,896.05	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,284.77	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,269.51	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,187.16	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,818.47	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,576.68	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.72*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,896.05	196.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.80*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,284.77	227.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.21*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,269.51	251.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.93*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,187.16	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,818.47	392.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.61*	
26 24 19 00-0268		**Starter Accessories** *(26 24 19)* Note: Additional options or accessories for the Combination Starters		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0269		**Starter Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	194.20	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	376.63	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	538.38	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	135.20	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	190.73	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	321.10	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	79.67	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	67.60	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	136.18	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	168.37	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	329.32	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	168.37	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	193.13	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	232.75	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	274.84	
26 24 19 00-0285	EA	Blank Devices Panel	52.00	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	81.71	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	717.72	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	650.87	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	965.66	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	81.71	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	116.37	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	81.71	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	116.37	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	116.37	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	168.37	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	418.45	
26 24 19 00-0297	EA	Heater Module	82.16	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	510.40	
26 24 19 00-0299	EA	JAM - Jam Protection Module	585.09	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,110.43	
26 24 19 00-0301	EA	ULM - Underload Module	532.81	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	117.02	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	219.10	
26 24 19 00-0304	EA	Type SIS Control Wire	92.12	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	117.02	
26 24 19 00-0306	EA	Ring Terminals Power	117.02	
26 24 19 00-0307	EA	14 Gauge Control Wire	92.12	
26 24 19 00-0308	EA	Wiring Diagram On Door	69.71	
26 24 19 00-0309	EA	Special Color Or Type Control Wire	84.65	
26 24 19 00-0310	EA	Current Transformer 12.5 VA	664.76	
26 24 19 00-0311	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,123.76	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,390.16	
26 24 19 00-0313		**Control Relays And Special Components** *(26 24 19 00-0268)*		
26 24 19 00-0314	EA	600 Volt, 2 Pole, Control Relays	692.46	
26 24 19 00-0315	EA	600 Volt, 4 Pole, Control Relays	816.14	
26 24 19 00-0316	EA	600 Volt, 6 Pole, Control Relays	952.09	
26 24 19 00-0317	EA	600 Volt, 8 Pole, Control Relays	1,057.74	
26 24 19 00-0318	EA	Pneumatic Timer, Control Relays	926.02	
26 24 19 00-0319	EA	Motor Driven Timer, Control Relays	2,413.05	
26 24 19 00-0320	EA	7 Days Time Switch, Control Relays	3,037.16	
26 24 19 00-0321	EA	24 Hour Time Switch, Control Relays	851.67	
26 24 19 00-0322	EA	Phase Voltage, Control Relays	1,448.73	
26 24 19 00-0323	EA	Two Circuit Alternator, Control Relays	2,027.78	
26 24 19 00-0324	EA	Manual 120 Volt, Control Relays	198.27	
26 24 19 00-0325	EA	Over-Current Relay, Control Relays	4,750.45	
26 24 19 00-0326	EA	UV-Relay, Control Relays	4,023.44	
26 24 19 00-0327	EA	Over-Current Relay, Control Relays	4,023.44	
26 24 19 00-0328	EA	Teleductor, Control Relays	1,493.80	
26 24 19 00-0329	EA	Current Transducer, Control Relays	4,017.25	
26 24 19 00-0330	EA	Watt Transducer, Control Relays	8,034.50	
26 24 19 00-0331	EA	Control Relays, Blank, Add For Each 1x	272.62	
26 24 19 00-0332	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	407.81	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	459.63	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	511.45	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	459.63	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	511.45	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	538.49	
26 24 19 00-0338		**Circuit Breaker Modifications/Accessories** *(26 24 19 00-0268)*		
26 24 19 00-0339	EA	Shunt Trip, Circuit Breaker	677.63	
26 24 19 00-0340	EA	Auxiliary Switch, Circuit Breaker	234.05	
26 24 19 00-0341	EA	Key Interlock, Circuit Breaker	841.84	
26 24 19 00-0342	EA	GFR Ground Fault, Circuit Breaker	3,880.77	
26 24 19 00-0343	EA	Seltronic Breaker, Circuit Breaker	2,248.05	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0344		**Incoming Line And Feeder Circuit Breakers** *(26 24 19 00-0268)*		
26 24 19 00-0345	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,749.13	79.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.85*	
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,030.98	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,925.26	79.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.85*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,204.63	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,403.03	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,332.45	159.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.73*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,412.13	171.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.10*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	7,139.29	220.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.47*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,392.98	337.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*202.54*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	11,884.23	509.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.80*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	26,081.96	674.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*404.60*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	38,983.63	846.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*507.55*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	65,067.24	981.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*589.52*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,103.21	79.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.85*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,375.15	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,103.21	79.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.85*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,375.15	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,581.41	79.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.85*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	4,902.87	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	6,086.42	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,204.30	122.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	8,115.66	337.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*202.54*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	8,115.66	337.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*202.54*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	10,937.29	368.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.79*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	13,659.79	429.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.58*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	15,717.16	509.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.80*	
26 24 19 00-0371		**Incoming Line And Feeder Fusible Switches** *(26 24 19 00-0268)*		
26 24 19 00-0372	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	2,003.19	122.71
26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,096.19	122.71
26 24 19 00-0374	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	3,025.48	153.39
26 24 19 00-0375	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	4,921.68	184.07
26 24 19 00-0376	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	9,704.57	233.16
26 24 19 00-0377	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	13,612.83	306.78
26 24 19 00-0378	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	33,116.75	411.08
26 24 19 00-0379	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	37,361.07	570.61
26 24 19 00-0380		**Dry Type Distribution Transformers** *(26 24 19 00-0268)*		
26 24 19 00-0381	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,688.67	
26 24 19 00-0382	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,743.14	
26 24 19 00-0383	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,800.09	
26 24 19 00-0384	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	2,065.03	
26 24 19 00-0385	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,238.35	
26 24 19 00-0386	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50	
26 24 19 00-0387	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	3,045.54	
26 24 19 00-0388	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,431.81	
26 24 19 00-0389	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	7,977.84	
26 24 19 00-0390	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,234.05	
26 24 19 00-0391	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	5,865.77	
26 24 19 00-0392	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	9,141.58	
26 24 19 00-0393	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	8,465.62	
26 24 19 00-0394	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	11,731.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0395	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43	
26 24 19 00-0396	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19	

26 24 19 00-0397 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0398	EA	Metering Equipment, Voltmeter, Panel Type	797.29	
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Switchboard Type	1,743.14	
26 24 19 00-0400	EA	Metering Equipment, Ammeter, Panel	718.05	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Switchboard Type	1,743.14	
26 24 19 00-0402	EA	Metering Equipment, Voltmeter/Ammeter, Switch	968.14	
26 24 19 00-0403	EA	Metering Equipment, Control Switch, 4 Circuits	1,027.56	
26 24 19 00-0404	EA	Add For Additional Circuits	136.94	
26 24 19 00-0405	EA	Metering Equipment, Indicating Wattmeter	3,595.23	
26 24 19 00-0406	EA	Metering Equipment, Indicating Power Factor	3,766.07	
26 24 19 00-0407	EA	Metering Equipment, Integrating Watt-hour	3,320.38	
26 24 19 00-0408	EA	Add For Demand Attachment	896.31	
26 24 19 00-0409	EA	800 Amperes, Metering Equipment, Current Transformer	992.90	
26 24 19 00-0410	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,713.43	
26 24 19 00-0411	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,995.70	
26 24 19 00-0412	EA	Metering Equipment, Potential Transformer	1,663.91	
26 24 19 00-0413	EA	Metering Equipment, Surge Arrester	1,790.18	
26 24 19 00-0414	EA	Metering Equipment, Ground Detector System	1,369.26	

26 24 19 00-0415 Current Limiting Reactors *(26 24 19 00-0268)*

26 24 19 00-0416	EA	600 Amperes, Current Limiting Reactors	30,561.90	
26 24 19 00-0417	EA	800 Amperes, Current Limiting Reactors	44,507.02	
26 24 19 00-0418	EA	1,000 Amperes, Current Limiting Reactors	58,484.33	
26 24 19 00-0419	EA	1,200 Amperes, Current Limiting Reactors	89,023.94	

26 24 19 00-0420 Incoming Line Cable Space Requirements, Main Lugs Only *(26 24 19 00-0268)*

26 24 19 00-0421	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	523.90	
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	523.90	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	724.28	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,325.43	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	724.28	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	924.66	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	924.66	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,323.02	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	924.66	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,323.02	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,125.05	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,647.96	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,125.05	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,323.02	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,647.96	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,647.96	
26 24 19 00-0437	EA	Bus Duct Transition Pull Box	1,190.71	
26 24 19 00-0438	EA	Throat And Transition To Substation	2,298.64	
26 24 19 00-0439	EA	Service Entrance Label Signage	497.80	
26 24 19 00-0440	EA	Type W To 5 Star - 10" Transition	1,040.54	
26 24 19 00-0441	EA	600 Amperes, Sub Feed Lugs On Main Bus	595.05	

26 24 19 00-0442 Standard Structures And Structure Options/Modifications *(26 24 19 00-0268)*

26 24 19 00-0443	EA	Standard Structure Add For Each Additional 4" Of Structure Width	328.72	
26 24 19 00-0444	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	328.72	
26 24 19 00-0445	EA	Standard Structure Single Corner Section "L", 16" Depth	1,016.89	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 21" Depth	1,146.96	
26 24 19 00-0447	EA	Standard Structure Unused Space/Future Space	98.14	
26 24 19 00-0448	EA	Standard Structure NEMA 12 Dustproof	264.86	
26 24 19 00-0449	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	55.57	
26 24 19 00-0450	EA	Standard Structure 150 Watt Space	238.85	
26 24 19 00-0451	EA	Standard Structure Thermostat For Space Heater Control	724.52	
26 24 19 00-0452	EA	Standard Structure Rear Hinged Structure Door, 72" High	238.85	
26 24 19 00-0453	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	468.07	
26 24 19 00-0454	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,677.52	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,718.23	
26 24 19 00-0456	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,725.70	

26 24 19 00-0457 Installation Hours For Vertical Sections *(26 24 19 00-0268)*

26 24 19 00-0458	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	736.24	368.13
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,104.35	552.21
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,227.12	613.56
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,472.67	736.27
26 24 19 00-0462	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	122.71	61.36
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	736.24	368.13
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,104.35	552.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,227.12	613.56
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,472.67	736.27
26 24 19 00-0467	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	122.71	61.36
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	859.00	429.50
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,104.35	552.21
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,472.67	736.27
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,717.74	858.86
26 24 19 00-0472	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	184.06	92.03
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	981.69	490.85
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,349.95	674.92
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,717.74	858.86
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,963.06	981.57
26 24 19 00-0477	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	245.42	122.71
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	981.69	490.85
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,472.67	736.27
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,840.48	920.21
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	2,086.24	1,043.17
26 24 19 00-0482	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	245.42	122.71

26 24 19 00-0483 Motor Control Centers *(26 24 19)*

26 24 19 00-0484 2.4 KV Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0485	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	18,126.41	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	18,126.41	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	18,126.41	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	18,187.80	276.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.67*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	19,316.96	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0490	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	19,378.29	337.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*202.47*	
26 24 19 00-0491	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	19,439.64	368.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.87*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	19,562.40	429.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.70*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	19,685.09	490.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.51*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	33,118.01	552.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*331.31*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	35,549.04	613.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.14*	
26 24 19 00-0496	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	26,880.54	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	28,004.62	263.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.30*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	31,813.78	288.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.02*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	35,410.08	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	38,528.44	355.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.53*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	42,212.47	380.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.25*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	45,894.31	404.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.96*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	50,263.12	441.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.07*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	58,487.62	490.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.51*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	63,366.19	521.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*312.93*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	96,750.35	613.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.14*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	103,086.07	674.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*404.99*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	108,601.93	736.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*441.80*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	118,255.54	797.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.66*	
26 24 19 00-0510	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	25,363.99	245.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.26*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	25,425.38	276.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.67*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	25,486.70	306.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.07*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	25,548.03	337.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*202.47*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	25,613.70	368.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0515	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	25,675.11	398.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.30*	
26 24 19 00-0516	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	25,736.46	429.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.70*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	25,981.81	552.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*331.31*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	44,231.99	613.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.14*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	44,354.82	674.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*404.99*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	46,772.86	736.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*441.80*	
26 24 19 00-0521	EA	Add For Reversing Starters, 100 To 700 HP	9,974.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0522	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	10,276.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,750 To 2,500 HP	15,723.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	

26 24 19 00-0524 4.8 KV Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0525	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	19,741.65	368.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.87*	
26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	19,803.06	398.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.30*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	19,864.41	429.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.70*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	19,925.80	460.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.12*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	21,044.16	490.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.51*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	21,105.58	521.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*312.93*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	21,166.82	552.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*331.31*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	21,228.30	582.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.75*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	21,289.59	613.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.14*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	36,036.10	797.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.66*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	36,158.31	858.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*515.32*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	38,578.52	920.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*552.14*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	38,701.10	981.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.92*	
26 24 19 00-0538	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	27,432.26	368.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.87*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	27,795.69	398.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.30*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	32,408.85	429.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.70*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	36,018.92	460.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.12*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	39,100.38	490.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.51*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	42,796.77	521.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*312.93*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	46,266.47	552.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*331.31*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	50,847.40	582.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.75*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	58,890.53	613.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.14*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	64,357.99	644.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*386.55*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	69,886.82	705.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*423.38*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	74,454.75	736.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*441.80*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	78,763.61	766.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.17*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	84,790.05	797.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.66*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	134,364.55	981.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.92*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	149,415.94	1,043.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*625.87*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	179,578.18	1,104.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*662.62*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	189,943.79	1,104.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*662.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0556	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	27,097.69	429.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.70*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	27,159.08	460.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.12*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	27,220.38	490.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.51*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	27,281.80	521.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*312.93*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	29,616.78	552.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*331.31*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	29,678.26	582.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.75*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	29,739.55	613.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.14*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	29,800.93	644.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*386.55*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	29,862.38	674.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*404.99*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	30,230.17	858.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*515.32*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	48,782.34	920.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*552.14*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	51,191.61	981.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.92*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	51,191.61	981.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.92*	
26 24 19 00-0569	EA	Add For Reversing Starters, 100 To 1,250 HP	11,133.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0570	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,471.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 24 19 00-0571	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,567.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	

26 24 19 00-0572 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0483)*

26 24 19 00-0573	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,493.61	245.42
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,421.25	368.13
26 24 19 00-0575	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,700.09	
26 24 19 00-0576	EA	2.4/4.8 KV Space Heaters	280.24	18.40
26 24 19 00-0577	EA	2.4/4.8 KV Potential Transformer Fused	1,651.36	
26 24 19 00-0578	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	886.04	
26 24 19 00-0579	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,638.80	
26 24 19 00-0580	EA	2.4/4.8 KV Pushbuttons Each	169.00	
26 24 19 00-0581	EA	2.4/4.8 KV Selector Switch Each	560.11	
26 24 19 00-0582	EA	2.4/4.8 KV Indicating Light	169.00	
26 24 19 00-0583	EA	2.4/4.8 KV Push To Test Light	511.82	
26 24 19 00-0584	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,361.65	
26 24 19 00-0585	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,361.65	
26 24 19 00-0586	EA	2.4/4.8 KV Power Factor Meter	4,072.87	
26 24 19 00-0587	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,807.79	
26 24 19 00-0588	EA	2.4/4.8 KV Operation Counter	548.63	18.40
26 24 19 00-0589	EA	2.4/4.8 KV Phase Failure Protection	3,942.08	61.36
26 24 19 00-0590	EA	2.4/4.8 KV Ground Protection	7,526.28	30.68
26 24 19 00-0591	EA	2.4/4.8 KV Synchronous Motor DC Protection	3,003.86	30.68
26 24 19 00-0592	EA	2.4/4.8 KV Lightning Arresters	5,496.84	18.40
26 24 19 00-0593	EA	2.4/4.8 KV Portable Lifting Mechanism	7,958.93	
26 24 19 00-0594	EA	2.4/4.8 KV Auxiliary Timing Relay	828.09	61.36
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Control Relay	589.17	61.36

26 24 19 00-0596 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0483)*

Note: 3 Pole. Includes structure.

26 24 19 00-0597	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,394.51	368.01
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,419.74	651.39
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,890.74	834.05
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,641.46	1,343.07
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,461.54	1,477.37
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	7,057.44	1,638.54
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	8,213.27	1,920.59
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	14,233.07	2,237.55

26 24 19 00-0605 Main Lugs Only *(26 24 19 00-0483)*

26 24 19 00-0606	EA	600 Amperes Incoming Section, Main Lugs	1,105.77	470.08
26 24 19 00-0607	EA	800 Amperes Incoming Section, Main Lugs	1,200.86	470.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0608	EA	1,200 Amperes Incoming Section, Main Lugs	1,683.05	738.69
26 24 19 00-0609	EA	2,000 Amperes Incoming Section, Main Lugs	4,141.35	1,343.07
26 24 19 00-0610	EA	3,000 Amperes Incoming Section, Main Lugs	6,299.83	1,947.45
26 24 19 00-0611	EA	4,000 Amperes Incoming Section, Main Lugs	8,996.97	2,686.14

26 24 19 00-0612 Incoming Main Circuit Breaker Structure *(26 24 19 00-0483)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0613	EA	225 Amperes, Main Circuit Breaker Section	7,466.30	649.91
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0614	EA	400 Amperes, Main Circuit Breaker Section	15,850.24	834.85
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	600 Amperes, Main Circuit Breaker Section	16,456.48	1,300.36
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	800 Amperes, Main Circuit Breaker Section	23,383.29	1,300.36
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	1,200 Amperes, Main Circuit Breaker Section	33,845.42	1,471.33
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0618 Incoming Fusible Main Disconnect Section *(26 24 19 00-0483)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0619	EA	200 Amperes, Fusible Main Disconnect Section	6,482.88	650.72
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0620	EA	400 Amperes, Fusible Main Disconnect Section	8,951.22	835.26
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	600 Amperes, Fusible Main Disconnect Section	17,487.91	1,301.43
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	800 Amperes, Fusible Main Disconnect Section	20,329.41	1,301.43
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	1,200 Amperes, Fusible Main Disconnect Section	28,632.15	1,472.67
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0624 Circuit Breaker Combination Starters *(26 24 19 00-0483)*

26 24 19 00-0625 Class I, Type A *(26 24 19 00-0624)*

26 24 19 00-0626	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,162.13	272.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.45*	
26 24 19 00-0627	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,351.32	272.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.19*	
26 24 19 00-0628	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,960.51	386.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0629	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	3,187.91	509.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.24*	
26 24 19 00-0630	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	5,700.67	636.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*381.55*	
26 24 19 00-0631		**Class I, Type B** *(26 24 19 00-0624)*		
26 24 19 00-0632	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	1,099.06	237.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.31*	
26 24 19 00-0633	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,281.52	237.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.25*	
26 24 19 00-0634	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,877.39	343.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*206.63*	
26 24 19 00-0635	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	3,103.12	466.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.80*	
26 24 19 00-0636	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	5,632.29	594.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.04*	
26 24 19 00-0637		**Class I, Type C** *(26 24 19 00-0624)*		
26 24 19 00-0638	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	1,156.65	220.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.66*	
26 24 19 00-0639	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,351.09	220.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.88*	
26 24 19 00-0640	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	2,006.28	329.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.51*	
26 24 19 00-0641	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	3,239.65	455.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.98*	
26 24 19 00-0642	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	5,758.73	584.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.76*	
26 24 19 00-0643		**Class II, Type B** *(26 24 19 00-0624)*		
26 24 19 00-0644	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	1,167.45	326.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.49*	
26 24 19 00-0645	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,606.64	326.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.99*	
26 24 19 00-0646	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	2,272.57	435.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*260.28*	
26 24 19 00-0647	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,698.56	557.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.77*	
26 24 19 00-0648	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	6,644.80	680.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*409.47*	
26 24 19 00-0649		**Class II, Type C** *(26 24 19 00-0624)*		
26 24 19 00-0650	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,449.64	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.72*	
26 24 19 00-0651	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,663.08	308.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*192.97*	
26 24 19 00-0652	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	2,408.13	421.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*252.46*	
26 24 19 00-0653	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	3,825.22	543.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*325.99*	
26 24 19 00-0654	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	6,790.01	671.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*404.54*	
26 24 19 00-0655		**Fused Disconnect Combination Starter** *(26 24 19 00-0483)*		
26 24 19 00-0656		**Class I, Type A** *(26 24 19 00-0655)*		
26 24 19 00-0657	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	1,062.27	251.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.25*	
26 24 19 00-0658	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,597.13	343.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.99*	
26 24 19 00-0659	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,526.18	447.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.61*	
26 24 19 00-0660	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	3,457.79	627.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*377.27*	
26 24 19 00-0661	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	6,019.82	799.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*479.67*	
26 24 19 00-0662		**Class I, Type B** *(26 24 19 00-0655)*		
26 24 19 00-0663	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	1,077.66	224.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.31*	
26 24 19 00-0664	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,452.13	307.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.49*	
26 24 19 00-0665	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	2,143.11	410.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*246.89*	
26 24 19 00-0666	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	3,573.37	593.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*357.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0667	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	6,116.86	754.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*453.74*	
26 24 19 00-0668		**Class I, Type C** *(26 24 19 00-0655)*		
26 24 19 00-0669	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	1,137.12	209.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.76*	
26 24 19 00-0670	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,529.18	284.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.19*	
26 24 19 00-0671	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	2,323.52	396.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.84*	
26 24 19 00-0672	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	3,752.49	584.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.76*	
26 24 19 00-0673	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	5,790.39	746.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*447.69*	
26 24 19 00-0674		**Class II, Type B** *(26 24 19 00-0655)*		
26 24 19 00-0675	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,363.35	314.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*188.63*	
26 24 19 00-0676	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,759.37	392.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.80*	
26 24 19 00-0677	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	2,543.12	505.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.49*	
26 24 19 00-0678	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	4,123.26	680.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*409.47*	
26 24 19 00-0679	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	7,030.04	850.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*508.74*	
26 24 19 00-0680		**Class II, Type C** *(26 24 19 00-0655)*		
26 24 19 00-0681	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,411.60	295.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.72*	
26 24 19 00-0682	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,835.96	370.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.36*	
26 24 19 00-0683	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,692.85	482.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*289.46*	
26 24 19 00-0684	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	4,283.95	664.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*399.72*	
26 24 19 00-0685	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	7,184.10	823.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*493.78*	
26 24 19 00-0686		**Space Complete With Bus And Hardware** *(26 24 19 00-0483)*		
26 24 19 00-0687		**Circuit Breaker Type** *(26 24 19 00-0686)*		
26 24 19 00-0688	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	329.37	91.33
26 24 19 00-0689	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	329.37	91.33
26 24 19 00-0690	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	489.31	132.97
26 24 19 00-0691	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	582.03	174.60
26 24 19 00-0692	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	974.99	265.93
26 24 19 00-0693		**Fused Disconnect Type** *(26 24 19 00-0686)*		
26 24 19 00-0694	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	329.37	91.33
26 24 19 00-0695	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	437.58	132.97
26 24 19 00-0696	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	607.34	174.60
26 24 19 00-0697	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	1,045.62	265.93
26 24 19 00-0698	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,458.78	386.80
26 24 19 00-0699		**Blank Space For Future Expansion** *(26 24 19 00-0686)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0700	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	147.39	
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	147.39	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	223.46	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	223.46	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	444.55	
26 24 19 00-0705		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0686)*		
26 24 19 00-0706	EA	Structure Combination Of Starters To 72" High	3,809.77	706.86
26 24 19 00-0707		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0483)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0708	EA	20" Wide Basic Section With Vertical Wireway	6,430.37	1,840.81
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0709	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	6,430.37	1,840.81
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	7,078.06	1,840.81
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	Corner Section	7,078.06	1,840.81
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0712 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0483)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0713 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0714	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,644.04	258.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.11*	
26 24 19 00-0715	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,829.80	286.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.04*	
26 24 19 00-0716	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	3,159.81	385.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.30*	
26 24 19 00-0717	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,577.49	508.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*304.97*	
26 24 19 00-0718	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	10,376.63	635.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*381.12*	
26 24 19 00-0719	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	24,174.75	635.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*381.12*	
26 24 19 00-0720	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,655.65	223.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.16*	
26 24 19 00-0721	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,867.25	251.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.09*	
26 24 19 00-0722	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	3,225.01	343.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*206.29*	
26 24 19 00-0723	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,575.65	466.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.65*	
26 24 19 00-0724	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	10,392.23	601.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.04*	
26 24 19 00-0725	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	24,338.82	601.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.04*	

26 24 19 00-0726 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0727	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,623.05	323.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.09*	
26 24 19 00-0728	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,213.69	357.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.78*	
26 24 19 00-0729	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,284.07	481.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*288.62*	
26 24 19 00-0730	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	9,068.92	635.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*381.55*	
26 24 19 00-0731	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,338.58	795.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*477.40*	
26 24 19 00-0732	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,658.59	279.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.60*	
26 24 19 00-0733	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,276.31	314.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*188.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0734	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,372.78	430.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.28*	
26 24 19 00-0735	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	9,086.76	582.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.76*	
26 24 19 00-0736	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,376.76	752.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*451.70*	
26 24 19 00-0737		**Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker** *(26 24 19 00-0712)*		
26 24 19 00-0738	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,870.68	323.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.09*	
26 24 19 00-0739	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,073.80	357.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.78*	
26 24 19 00-0740	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,666.28	481.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*288.62*	
26 24 19 00-0741	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,437.50	635.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*381.55*	
26 24 19 00-0742	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,870.24	795.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*477.40*	
26 24 19 00-0743	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,906.22	279.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.60*	
26 24 19 00-0744	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,136.42	314.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*188.99*	
26 24 19 00-0745	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,754.99	430.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.28*	
26 24 19 00-0746	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,455.33	582.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.76*	
26 24 19 00-0747	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,908.41	752.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*451.70*	
26 24 19 00-0748		**Motor Control Center Starters With Fusible Disconnect** *(26 24 19 00-0483)*		
		Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0749		**FVNR Starters With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0750	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,331.25	252.09
26 24 19 00-0751	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,736.85	342.61
26 24 19 00-0752	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,882.29	446.43
26 24 19 00-0753	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,846.55	628.83
26 24 19 00-0754	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	9,686.53	799.40
26 24 19 00-0755	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	24,418.93	799.40
26 24 19 00-0756	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,354.52	223.49
26 24 19 00-0757	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,772.75	306.89
26 24 19 00-0758	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,960.84	411.51
26 24 19 00-0759	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,862.22	595.38
26 24 19 00-0760	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	9,682.64	756.28
26 24 19 00-0761	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	24,563.62	756.28
26 24 19 00-0762		**Two Speed 2-Winding (TS2W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0763	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,280.36	315.62
26 24 19 00-0764	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,176.03	428.31
26 24 19 00-0765	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,905.92	557.77
26 24 19 00-0766	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,241.81	788.24
26 24 19 00-0767	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,623.51	922.42
26 24 19 00-0768	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,330.62	279.36
26 24 19 00-0769	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,234.65	383.32
26 24 19 00-0770	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,010.22	514.93
26 24 19 00-0771	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,274.96	742.85
26 24 19 00-0772	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,642.18	869.91
26 24 19 00-0773		**Two Speed 1-Winding (TS1W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0774	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,653.46	315.62
26 24 19 00-0775	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,049.34	428.31
26 24 19 00-0776	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,312.89	557.77
26 24 19 00-0777	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,743.68	788.24
26 24 19 00-0778	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,233.97	922.42
26 24 19 00-0779	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,704.82	279.36
26 24 19 00-0780	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,107.96	383.32
26 24 19 00-0781	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,417.19	514.93
26 24 19 00-0782	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,776.82	742.85
26 24 19 00-0783	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,252.64	869.91
26 24 19 00-0784		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0483)*		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0785	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	284.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 24 19 00-0786	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	348.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0787		EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	418.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.11*	
26 24 19 00-0788		EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	544.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.11*	
26 24 19 00-0789		EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	912.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.12*	
26 24 19 00-0790		EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	163.37	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 24 19 00-0791			**Disconnect (Safety) Switch For Motor Control Centers** *(26 24 19 00-0483)*		
26 24 19 00-0792			**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0791)*		
			Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0793		EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,358.81	194.08
26 24 19 00-0794		EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,476.62	214.89
26 24 19 00-0795		EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,999.84	289.43
26 24 19 00-0796		EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	5,055.89	381.43
26 24 19 00-0797		EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	8,879.41	476.79
26 24 19 00-0798		EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	10,182.32	476.79
26 24 19 00-0799		EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	21,282.27	596.99
26 24 19 00-0800			**Fusible Disconnect (Safety) Switch For Motor Control Center** *(26 24 19 00-0791)*		
			Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0801		EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	922.18	188.70
26 24 19 00-0802		EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	1,092.24	257.19
26 24 19 00-0803		EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,493.44	329.05
26 24 19 00-0804		EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,763.81	471.42
26 24 19 00-0805		EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	4,875.67	599.55
26 24 19 00-0806		EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	11,082.96	599.55
26 24 19 00-0807		EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	13,702.23	749.44
26 24 19 00-0808		EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	20,200.07	749.44
26 24 19 00-0809			**Control Circuit Transformer** *(26 24 19 00-0483)*		
26 24 19 00-0810		EA	Control Circuit Transformer, Size 1 Factory Installed	78.63	
26 24 19 00-0811		EA	Control Circuit Transformer, Size 2 Factory Installed	78.63	
26 24 19 00-0812		EA	Control Circuit Transformer, Size 3 Factory Installed	151.44	
26 24 19 00-0813		EA	Control Circuit Transformer, Size 4 Factory Installed	151.44	
26 24 19 00-0814		EA	Control Circuit Transformer, Size 5 Factory Installed	210.39	
26 24 19 00-0815		EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	60.60	15.20
26 24 19 00-0816			**Cover Mounted Control Devices** *(26 24 19 00-0483)*		
26 24 19 00-0817		EA	Control Device, 2 Unit Push Button Station Cover Mounted	134.59	26.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.79*	
26 24 19 00-0818		EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	151.49	26.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.99*	
26 24 19 00-0819		EA	Control Device, Pilot Light Cover Mounted	126.37	26.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.57*	
26 24 19 00-0820		EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	346.57	91.33
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.04*	
26 24 19 00-0821		EA	Auxiliary Contact Add Per Starter	408.08	34.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.88*	
26 24 19 00-0822			**Extra Interlocks** *(26 24 19 00-0483)*		
			Note: Per contact.		
26 24 19 00-0823		EA	Extra Interlocks, Class I, Type A Per Contact	87.94	17.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.57*	
26 24 19 00-0824		EA	Extra Interlocks, Class I, Type B Per Contact	120.81	17.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.57*	
26 24 19 00-0825		EA	Extra Interlocks, Class I, Type C Per Contact	133.59	17.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.49*	
26 24 19 00-0826		EA	Extra Interlocks, Class II, Type B Per Contact	120.01	17.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 24 19 00-0827		EA	Extra Interlocks, Class II, Type C Per Contact	126.31	17.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.34*	
26 24 19 00-0828			**Special Cabinet Provisions** *(26 24 19 00-0483)*		
26 24 19 00-0829		EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	984.36	
26 24 19 00-0830			**Nameplate Requirements** *(26 24 19 00-0483)*		
26 24 19 00-0831		EA	Special Cabinet Nameplate Requirements	34.95	
26 24 19 00-0832			**Auxiliary Relays** *(26 24 19 00-0483)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0833	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	196.69	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	
26 24 19 00-0834	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	186.17	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	
26 24 19 00-0835	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	107.70	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	

26 24 19 00-0836 Motor Control Center Accessories *(26 24 19 00-0483)*

26 24 19 00-0837 Lighting Transformer With Circuit Breaker *(26 24 19 00-0836)*

Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.

26 24 19 00-0838	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,757.52	430.62
26 24 19 00-0839	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,986.13	447.84
26 24 19 00-0840	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,548.50	482.29
26 24 19 00-0841	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	8,219.82	516.74
26 24 19 00-0842	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	11,032.49	551.18
26 24 19 00-0843	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	13,544.61	620.09
26 24 19 00-0844	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	17,779.85	688.98
26 24 19 00-0845	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,407.62	568.41
26 24 19 00-0846	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,307.69	620.09
26 24 19 00-0847	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,930.07	688.98
26 24 19 00-0848	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,721.10	757.88
26 24 19 00-0849	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,542.66	826.78
26 24 19 00-0850	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	17,074.82	895.68

26 24 19 00-0851 Bolt-On Lighting Panel *(26 24 19 00-0836)*

Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.

26 24 19 00-0852	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,465.70	698.94
26 24 19 00-0853	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,852.84	1,216.55
26 24 19 00-0854	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	5,122.14	1,645.93
26 24 19 00-0855	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,580.30	756.28
26 24 19 00-0856	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,801.07	1,190.63
26 24 19 00-0857	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	5,327.88	1,748.81
26 24 19 00-0858	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,137.18	810.68
26 24 19 00-0859	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,523.23	1,301.43
26 24 19 00-0860	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,909.41	1,748.81
26 24 19 00-0861	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,264.68	874.34
26 24 19 00-0862	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,523.23	1,301.43
26 24 19 00-0863	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	7,022.23	1,805.22

26 24 19 00-0864 Factory Installed Bolt-On Branch Circuit Breaker *(26 24 19 00-0836)*

Note: For MCC lighting panel only.

26 24 19 00-0865	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	38.93	
26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	303.36	
26 24 19 00-0867	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	76.09	
26 24 19 00-0868	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	175.19	
26 24 19 00-0869	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	205.27	
26 24 19 00-0870	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	311.44	

26 24 19 00-0871 Blank Unit Door (BUD) *(26 24 19 00-0836)*

Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0872	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	80.90	
26 24 19 00-0873	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	97.08	
26 24 19 00-0874	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	145.61	
26 24 19 00-0875	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	194.15	
26 24 19 00-0876	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	291.23	
26 24 19 00-0877	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	339.77	
26 24 19 00-0878	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	388.31	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

26 25 13 00-0001 Plug-In Bus Duct *(26 25 13)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0001)*

26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	294.61	40.29
		For Up To 25, Add	*73.65*	
		For >25 To 50, Add	*44.19*	
		For >50 To 100, Add	*22.10*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	413.21	40.29
		For Up To 25, Add	*103.30*	
		For >25 To 50, Add	*61.98*	
		For >50 To 100, Add	*30.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	521.92	53.73
		For Up To 25, Add	*130.48*	
		For >25 To 50, Add	*78.29*	
		For >50 To 100, Add	*39.14*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	715.58	53.73
		For Up To 25, Add	*178.90*	
		For >25 To 50, Add	*107.34*	
		For >50 To 100, Add	*53.67*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	755.23	67.15
		For Up To 25, Add	*188.81*	
		For >25 To 50, Add	*113.28*	
		For >50 To 100, Add	*56.64*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,045.96	67.15
		For Up To 25, Add	*261.49*	
		For >25 To 50, Add	*156.89*	
		For >50 To 100, Add	*78.45*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,221.05	70.51
		For Up To 25, Add	*305.26*	
		For >25 To 50, Add	*183.16*	
		For >50 To 100, Add	*91.58*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,482.04	72.52
		For Up To 25, Add	*370.51*	
		For >25 To 50, Add	*222.31*	
		For >50 To 100, Add	*111.15*	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,824.52	76.55
		For Up To 25, Add	*456.13*	
		For >25 To 50, Add	*273.68*	
		For >50 To 100, Add	*136.84*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,107.02	89.32
		For Up To 25, Add	*526.76*	
		For >25 To 50, Add	*316.05*	
		For >50 To 100, Add	*158.03*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,436.27	97.37
		For Up To 25, Add	*609.07*	
		For >25 To 50, Add	*365.44*	
		For >50 To 100, Add	*182.72*	

26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*

26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	472.63	40.29
		For Up To 25, Add	*118.16*	
		For >25 To 50, Add	*70.89*	
		For >50 To 100, Add	*35.45*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	678.40	40.29
		For Up To 25, Add	*169.60*	
		For >25 To 50, Add	*101.76*	
		For >50 To 100, Add	*50.88*	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	767.04	53.73
		For Up To 25, Add	*191.76*	
		For >25 To 50, Add	*115.06*	
		For >50 To 100, Add	*57.53*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	972.48	53.73
		For Up To 25, Add	*243.12*	
		For >25 To 50, Add	*145.87*	
		For >50 To 100, Add	*72.94*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,184.06	67.15
		For Up To 25, Add	*296.02*	
		For >25 To 50, Add	*177.61*	
		For >50 To 100, Add	*88.80*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,529.38	67.15
		For Up To 25, Add	*382.35*	
		For >25 To 50, Add	*229.41*	
		For >50 To 100, Add	*114.70*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,973.85	69.57
		For Up To 25, Add	*493.46*	
		For >25 To 50, Add	*296.08*	
		For >50 To 100, Add	*148.04*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,373.33	72.52
		For Up To 25, Add	*593.33*	
		For >25 To 50, Add	*356.00*	
		For >50 To 100, Add	*178.00*	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,938.73	75.88
		For Up To 25, Add	*734.68*	
		For >25 To 50, Add	*440.81*	
		For >50 To 100, Add	*220.40*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,392.68	89.32
		For Up To 25, Add	*848.17*	
		For >25 To 50, Add	*508.90*	
		For >50 To 100, Add	*254.45*	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,930.61	97.37
		For Up To 25, Add	*982.65*	
		For >25 To 50, Add	*589.59*	
		For >50 To 100, Add	*294.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0026		**Cable Tap Boxes** *(26 25 13 00-0001)*		
26 25 13 00-0027		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0026)*		
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,371.48	188.03
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,458.44	188.03
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,662.39	255.18
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,838.43	255.18
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,047.83	335.77
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,340.61	335.77
26 25 13 00-0034		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 13 00-0026)*		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,458.44	369.35
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,677.80	369.35
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,867.89	503.65
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,223.64	503.65
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,397.32	671.53
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,862.41	671.53
26 25 13 00-0041		**Bus Duct Plug-In Circuit Breaker** *(26 25 13 00-0001)*		
26 25 13 00-0042		**240 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,080.48	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.47*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,125.76	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.32*	
26 25 13 00-0045		**600 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,056.28	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.47*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,662.97	134.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.32*	
26 25 13 00-0048		**120/208 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,243.93	161.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.94*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,488.18	161.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.93*	
26 25 13 00-0051		**277/480 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,418.23	161.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.94*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,170.71	161.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.93*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,211.63	557.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.56*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,641.45	557.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*524.63*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,603.44	1,611.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*729.93*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	10,937.82	1,611.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,291.41*	
26 25 13 00-0058		**Bus Duct Plug-In Fusible Switch** *(26 25 13 00-0001)*		
26 25 13 00-0059		**240 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,078.08	134.31
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,187.06	134.31
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,636.10	161.17
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,764.65	322.33
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,957.89	725.26
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,451.66	1,262.48
26 25 13 00-0066		**600 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,117.15	147.74
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,223.55	147.74
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,646.76	147.74
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,827.66	308.91
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,922.02	698.40
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,706.03	1,343.07
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,459.45	1,745.99
26 25 13 00-0074		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,246.45	174.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,342.74	174.60
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,814.94	174.60
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,075.51	362.62
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,644.18	805.84
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,136.69	1,235.63
26 25 13 00-0081		277/480 Volt, 4-pole, 3-Fuse *(26 25 13 00-0058)*		
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,286.54	174.60
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,382.82	148.14
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,933.65	201.46
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,202.72	362.62
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,644.18	805.84
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,136.69	1,235.63
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,555.95	1,638.54

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*

Note: Copper conductors.

26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	852.55	56.41
		For Up To 25, Add	*213.14*	
		For >25 To 50, Add	*127.88*	
		For >50 To 100, Add	*63.94*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	864.97	56.41
		For Up To 25, Add	*216.24*	
		For >25 To 50, Add	*129.75*	
		For >50 To 100, Add	*64.87*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,129.32	56.41
		For Up To 25, Add	*282.33*	
		For >25 To 50, Add	*169.40*	
		For >50 To 100, Add	*84.70*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,354.60	56.41
		For Up To 25, Add	*338.65*	
		For >25 To 50, Add	*203.19*	
		For >50 To 100, Add	*101.60*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,654.57	56.41
		For Up To 25, Add	*413.64*	
		For >25 To 50, Add	*248.19*	
		For >50 To 100, Add	*124.09*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,258.44	134.31
		For Up To 25, Add	*564.61*	
		For >25 To 50, Add	*338.77*	
		For >50 To 100, Add	*169.38*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,118.24	134.31
		For Up To 25, Add	*779.56*	
		For >25 To 50, Add	*467.74*	
		For >50 To 100, Add	*233.87*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,689.37	134.31
		For Up To 25, Add	*922.34*	
		For >25 To 50, Add	*553.41*	
		For >50 To 100, Add	*276.70*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,541.85	134.31
		For Up To 25, Add	*1,135.46*	
		For >25 To 50, Add	*681.28*	
		For >50 To 100, Add	*340.64*	

26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*

Note: Low impedance, copper conductors.

26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	975.82	60.44
		For Up To 25, Add	*243.96*	
		For >25 To 50, Add	*146.37*	
		For >50 To 100, Add	*73.19*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	992.35	60.44
		For Up To 25, Add	*248.09*	
		For >25 To 50, Add	*148.85*	
		For >50 To 100, Add	*74.43*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,274.62	60.44
		For Up To 25, Add	*318.66*	
		For >25 To 50, Add	*191.19*	
		For >50 To 100, Add	*95.60*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,510.83	60.44
		For Up To 25, Add	*377.71*	
		For >25 To 50, Add	*226.62*	
		For >50 To 100, Add	*113.31*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,824.23	60.44
		For Up To 25, Add	*456.06*	
		For >25 To 50, Add	*273.63*	
		For >50 To 100, Add	*136.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,800.26	103.42
		For Up To 25, Add	*700.07*	
		For >25 To 50, Add	*420.04*	
		For >50 To 100, Add	*210.02*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,511.67	103.42
		For Up To 25, Add	*877.92*	
		For >25 To 50, Add	*526.75*	
		For >50 To 100, Add	*263.38*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,155.62	192.06
		For Up To 25, Add	*1,038.91*	
		For >25 To 50, Add	*623.34*	
		For >50 To 100, Add	*311.67*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,121.69	192.06
		For Up To 25, Add	*1,280.42*	
		For >25 To 50, Add	*768.25*	
		For >50 To 100, Add	*384.13*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	321.57	87.30
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	341.82	87.30
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	379.52	97.37
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	392.52	97.37
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	437.48	107.44
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	443.23	107.44
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,143.67	170.57
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,469.19	190.71
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	3,255.80	210.86
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	3,254.81	671.53

26 27 13 00-0013 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	327.46	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.52*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	388.06	27.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.72*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	475.89	28.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	933.13	28.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.15*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,308.77	30.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.16*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	2,125.76	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.18*	

26 27 13 00-0020 Current Transformer Enclosure *(26 27 13 00-0001)*

26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	660.15	174.60

26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*

26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,281.03	83.94
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,687.82	100.73
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,092.45	117.51
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,425.06	134.31
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,161.44	151.09
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,413.28	167.89
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,982.45	201.46

26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,372.36	83.94
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,126.20	100.73
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,306.51	134.31
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,776.59	151.09
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	6,010.62	167.89

26 27 13 00-0037 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,963.68	117.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,582.21	134.31
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,161.44	151.09
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,718.85	167.89
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,690.95	184.67
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,920.98	201.46
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,101.27	235.04
26 27 13 00-0045		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,050.63	117.51
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,000.92	134.31
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,639.57	167.89
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.19	184.67
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,736.53	201.46
26 27 13 00-0051		120/208 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*		
26 27 13 00-0052		800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,393.17	100.73
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,823.99	117.51
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,252.63	134.31
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,615.78	151.09
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,216.85	167.89
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,468.68	184.67
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	4,277.95	218.25
26 27 13 00-0060		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,493.24	100.73
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,290.74	117.51
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,754.76	151.09
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,224.87	167.89
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,327.97	184.67
26 27 13 00-0066		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,075.86	134.31
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,703.12	151.09
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,347.83	167.89
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,905.25	184.67
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,921.04	201.46
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,151.00	218.25
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,418.65	251.82
26 27 13 00-0074		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,193.37	134.31
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,209.13	151.09
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.23	184.67
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,317.87	201.46
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,032.08	218.25
26 27 13 00-0080		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0081		800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,281.03	83.94
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,687.82	100.73
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,425.06	134.31
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,161.44	151.09
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,915.29	167.89
26 27 13 00-0087		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,372.35	83.94
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,126.18	100.73
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,524.76	134.31
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,994.85	151.09
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,010.62	167.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0093		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,963.68	117.51
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,582.21	134.31
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,718.85	167.89
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,690.95	184.67
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,920.98	201.46
26 27 13 00-0099		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,050.65	117.51
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,000.92	134.31
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,639.57	167.89
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.19	184.67
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,736.58	201.46
26 27 13 00-0105		**120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0106		**800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,393.17	100.73
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,823.99	117.51
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,615.78	151.09
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,435.11	167.89
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,905.21	184.67
26 27 13 00-0112		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,493.22	100.73
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,290.72	117.51
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,536.50	151.09
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,006.61	167.89
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,327.93	184.67
26 27 13 00-0118		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,075.84	134.31
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,703.09	151.09
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,905.21	184.67
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,920.98	201.46
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,151.00	218.25
26 27 13 00-0124		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,193.35	134.31
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,209.10	151.09
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,044.19	184.67
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,317.87	201.46
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,032.08	218.25
26 27 13 00-0130		**Watt/Hour Meters** *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,463.77	80.58
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	4,149.60	161.17
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	2,190.81	120.87
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,689.29	120.87
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,264.03	120.87
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,538.48	111.47
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,627.77	201.46
26 27 13 00-0138		**Watt/Hour Meter Systems** *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		**Watt/Hour Meter System Without Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,671.97	805.98
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	7,848.37	805.98
26 27 13 00-0142		**Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	11,836.93	805.98
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	14,402.12	805.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	15,490.01	805.98

26 27 16 Electrical Cabinets and Enclosures *(26 27)*

Note: Can be used as enclosure or pull/junction boxes.

26 27 16 00-0001 NEMA 1 Enclosures, Lockable *(26 27 16)*

26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*

26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*

26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	84.29	26.86
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	94.48	29.55
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.75	32.23
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	122.30	37.61
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	133.14	40.29
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.75	42.98
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.35	42.98
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	156.24	45.66
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	168.72	48.35
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	218.99	64.47
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	265.62	77.90
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	252.45	75.21

26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*

26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.52	32.23
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	127.96	37.61
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	152.83	45.66
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.01	48.35
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	177.44	51.03
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	190.42	53.73
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	241.97	69.84
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	293.49	85.95
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	283.07	83.27
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	368.54	107.44
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	471.58	123.57
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	538.17	134.31
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	598.39	142.36
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	651.91	147.74
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	448.58	107.44

26 27 16 00-0032 Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*

26 27 16 00-0033 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*

26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	59.00	18.81
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	84.33	26.86
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.10	29.55

26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*

26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	65.94	21.49
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	81.73	26.86
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	91.33	29.55
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.08	32.23
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	117.96	37.61
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	128.18	40.29
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	138.94	42.98
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	138.54	42.98
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	149.78	45.66
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	161.35	48.35
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	210.98	64.47
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	261.39	80.58
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	242.51	75.21
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	314.17	96.70
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	454.88	120.87

26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*

26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.66	32.23
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	112.19	34.92
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.31	40.29
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	146.81	45.66
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	158.21	48.35
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	169.75	51.03
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	181.75	53.73
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	232.64	69.84
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	285.82	85.95
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	271.55	83.27
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	353.13	107.44
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	441.76	123.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	506.79	134.31
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	547.35	142.36
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	599.26	147.74
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	146.81	45.66
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	200.51	59.10
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	254.89	75.21
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	316.33	94.02
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	302.23	91.33
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	374.41	112.82
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	417.33	128.94
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	484.92	136.99
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	558.87	147.74
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	594.74	155.79
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	625.01	161.17
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	641.85	161.17
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	343.10	102.07
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	451.73	131.62
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	456.81	139.68
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	594.74	150.42
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	684.91	166.54
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	760.98	171.91
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	812.01	179.97
26 27 16 00-0090		**12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	498.73	145.05
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	496.14	153.11
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	653.83	166.54
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	747.55	182.65
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	839.83	190.71
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	885.95	198.78
26 27 16 00-0097		**NEMA 1 Enclosures For Up To 6 Boards, Lockable** *(26 27 16)*		
26 27 16 00-0098		**4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures** *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,275.96	118.19
26 27 16 00-0100		**NEMA 12 Enclosures, Lockable** *(26 27 16)* Note: Dust-tight enclosures.		
26 27 16 00-0101		**Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0102		**4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	118.55	21.49
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	154.50	29.55
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	191.22	37.61
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	206.99	40.29
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	232.18	42.98
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	250.06	45.66
26 27 16 00-0109		**6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	171.47	32.23
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	188.88	34.92
26 27 16 00-0112		**Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0113		**4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	240.26	21.49
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	288.21	29.55
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	325.92	32.23
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	372.89	37.61
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	383.54	40.29
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	452.93	42.98
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	486.32	45.66
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	553.37	48.35
26 27 16 00-0122		**6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	350.87	32.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	396.65	34.92
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	432.37	40.29
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	511.39	48.35
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	555.37	53.73
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	771.20	69.84
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,195.09	107.44
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,565.31	123.57
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,764.79	134.31
26 27 16 00-0132		**8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,632.22	136.99
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,880.99	147.74
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,067.59	155.79
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,279.55	161.17
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,248.17	161.17
26 27 16 00-0138		**Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0139		**8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,183.19	218.25
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,252.87	241.75
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,319.67	258.54
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,571.19	322.33
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,687.46	380.09
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,736.83	380.09
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,624.62	402.92
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,795.79	429.78
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,809.53	429.78
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	381.22	94.02
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	411.79	94.02
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	534.24	97.37
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	555.04	97.37
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	704.95	100.73
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	528.62	97.37
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	583.01	97.37
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	608.01	100.73
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	775.09	100.73
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	853.20	107.44
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	918.94	114.16
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	958.68	114.16
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,146.53	117.51
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,246.19	120.87
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,717.34	134.31
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	819.44	104.09
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,037.56	117.51
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,221.75	120.87
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,413.46	124.24
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,507.19	124.24
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,716.83	134.31
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,987.43	151.09
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,872.01	144.38
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,644.00	268.62
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,360.63	335.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,520.60	127.59
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,295.48	167.89
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,333.76	167.89
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,152.79	251.82
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,175.73	268.62
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	10,674.15	470.08
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,576.10	335.77
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	8,617.78	402.92
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,073.22	369.35
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)*		
		Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	114.46	26.86
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	126.39	29.55
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	188.63	32.23
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	237.49	40.29
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	265.29	45.66
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	311.63	51.03
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	337.09	53.73
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	438.89	69.84
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	524.50	85.95
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	597.84	107.44
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	911.55	136.99
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,011.54	147.74
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,140.11	155.79
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,199.53	161.17
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,130.75	166.54
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,277.35	188.03
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,414.11	208.18
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,558.01	229.67
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,696.12	249.81
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	732.97	131.62
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,130.75	166.54
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,342.30	171.91
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,703.25	188.03
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,100.74	132.97
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,234.20	149.08
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,366.31	165.20
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,511.23	182.65
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,644.68	198.78
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	822.35	99.39
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,100.74	132.97
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,234.20	149.08
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,453.13	174.60
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,644.68	198.78
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,562.20	196.09
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,644.68	198.78
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,733.20	204.15
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,932.34	214.89
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	2,096.81	225.63
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	82.96	21.49
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	100.06	26.86
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	110.51	29.55
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	122.66	32.23
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	142.40	37.61
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	155.39	40.29
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	169.56	42.98
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	168.76	42.98
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	184.79	45.66
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	198.96	48.35
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	300.05	75.21
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	401.16	96.70
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	114.68	32.23
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	157.54	40.29
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	178.46	45.66
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	193.74	48.35
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	192.55	48.35
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	208.80	51.03
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	225.19	53.73
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	293.97	69.84
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	337.64	83.27
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	451.54	107.44
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	470.44	115.50
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	540.08	123.57
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	609.71	134.31
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	252.35	59.10
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	363.87	91.33
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	499.78	118.19
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	597.52	136.99
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	678.11	147.74
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	755.70	155.79
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	551.02	131.62
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	744.51	166.54
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	819.86	171.91
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	822.85	182.65
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,161.81	198.78
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,201.11	204.15
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,411.50	214.89
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	122.87	18.81
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	143.56	22.84
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	179.57	29.55
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	170.95	29.55
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	228.53	40.29
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	284.58	48.35
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	262.96	45.66
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	306.60	53.73
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	360.67	61.78
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	437.39	77.90
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	112.85	18.81
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	160.96	29.55
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	141.86	25.79
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	150.74	27.94
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	185.18	36.53
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	216.39	40.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	279.73	51.03
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	327.02	60.44
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	461.24	96.70

26 27 16 00-0305 NEMA 4X Enclosures, Lockable *(26 27 16)*

Note: Water-tight enclosures.

26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures *(26 27 16 00-0305)*

26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	243.69	21.49
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	287.53	29.55
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	364.61	40.29
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	442.59	48.35
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	545.79	61.78
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	644.80	77.90

26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures *(26 27 16 00-0305)*

26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	301.35	18.81
		For 316 Stainless Steel, Add	*40.70*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	392.61	26.86
		For 316 Stainless Steel, Add	*52.07*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	444.64	29.55
		For 316 Stainless Steel, Add	*59.32*	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	508.46	32.23
		For 316 Stainless Steel, Add	*68.46*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	624.67	40.29
		For 316 Stainless Steel, Add	*83.83*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	877.09	51.03
		For 316 Stainless Steel, Add	*119.92*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,092.93	61.78
		For 316 Stainless Steel, Add	*150.16*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,318.52	77.90
		For 316 Stainless Steel, Add	*179.80*	

26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0305)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	159.01	29.55
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	179.17	32.23
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	204.94	37.61
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	222.85	40.29
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	257.56	45.66
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	241.87	45.66
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	282.13	51.03
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	353.86	61.78
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	451.27	84.61
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	579.36	121.81
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	171.35	29.55
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	193.74	32.23
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	220.62	37.61
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	241.89	40.29
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	277.72	45.66
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	260.93	45.66
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	307.97	51.03
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	367.31	61.78
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	479.29	84.61
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	609.60	121.81

26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0305)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	193.75	29.55
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	207.18	32.23
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	235.18	37.61
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	254.22	40.29
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	301.26	45.66
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	276.61	45.66
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	340.45	51.03
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	404.29	61.78
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	494.98	84.61
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	636.49	121.81
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	202.71	29.55
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	223.98	32.23
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	250.86	37.61
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	271.02	40.29
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	323.67	45.66
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	295.65	45.66
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	363.98	51.03
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	415.49	61.78
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	531.94	84.61
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	675.71	121.81

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0364		NEMA 7/9 Enclosures, Lockable *(26 27 16)* Note: Nominal inside dimensions.		
26 27 16 00-0365		4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,792.51	151.09
		For Mounting Pan, Add	*78.89*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,412.66	161.17
		For Mounting Pan, Add	*147.00*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,816.10	181.31
		For Mounting Pan, Add	*202.70*	
26 27 16 00-0369		6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,495.95	181.31
		For Mounting Pan, Add	*103.07*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,272.45	186.35
		For Mounting Pan, Add	*202.70*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,344.26	201.46
		For Mounting Pan, Add	*155.05*	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,434.25	201.46
		For Mounting Pan, Add	*181.41*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,869.06	251.82
		For Mounting Pan, Add	*238.00*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,594.29	226.64
		For Mounting Pan, Add	*148.61*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,745.87	251.82
		For Mounting Pan, Add	*222.36*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,304.71	453.29
		For Mounting Pan, Add	*299.16*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,823.51	302.19
		For Mounting Pan, Add	*291.27*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,598.84	503.65
		For Mounting Pan, Add	*267.41*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,148.25	503.65
		For Mounting Pan, Add	*434.72*	
26 27 16 00-0381		8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,906.49	226.64
		For Mounting Pan, Add	*155.05*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,934.45	226.64
		For Mounting Pan, Add	*181.41*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,467.07	226.64
		For Mounting Pan, Add	*238.00*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,949.96	251.82
		For Mounting Pan, Add	*148.61*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,160.44	453.29
		For Mounting Pan, Add	*222.36*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,712.34	554.02
		For Mounting Pan, Add	*299.16*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,770.22	654.75
		For Mounting Pan, Add	*449.90*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,822.79	554.02
		For Mounting Pan, Add	*291.27*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,041.98	554.02
		For Mounting Pan, Add	*267.41*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,071.14	604.38
		For Mounting Pan, Add	*400.84*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,948.00	554.02
		For Mounting Pan, Add	*434.72*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,343.29	604.38
		For Mounting Pan, Add	*635.69*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,250.23	604.38
		For Mounting Pan, Add	*847.46*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	20,625.22	805.84
		For Mounting Pan, Add	*1,059.17*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,680.79	654.75
		For Mounting Pan, Add	*984.84*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	28,482.45	1,007.30
		For Mounting Pan, Add	*1,348.25*	
26 27 16 00-0398		10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,334.06	654.75
		For Mounting Pan, Add	*449.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,194.19	604.38
		For Mounting Pan, Add	*400.84*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,376.02	654.75
		For Mounting Pan, Add	*635.69*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	18,209.39	705.11
		For Mounting Pan, Add	*1,059.17*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	16,079.77	705.11
		For Mounting Pan, Add	*984.84*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	31,065.48	1,007.30
		For Mounting Pan, Add	*1,348.25*	
26 27 16 00-0405		**12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** *(26 27 16 00-0364)*		
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,913.44	554.02
		For Mounting Pan, Add	*299.16*	
26 27 16 00-0407		**Breaker Enclosures** *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408		**15 To 100 Amperes, F-Frame Breaker Enclosures** *(26 27 16 00-0407)*		
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	440.05	107.44
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	810.54	107.44
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,000.22	147.74
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,712.07	161.17
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,977.04	161.17
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	694.58	147.74
26 27 16 00-0415		**15 To 250 Amperes, H Or J-Frame Breaker Enclosures** *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	702.89	147.74
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,296.18	147.74
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,432.42	188.03
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,069.38	188.03
26 27 16 00-0420		**125 To 400 Amperes, L-Frame Breaker Enclosures** *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,099.62	295.47
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,562.63	295.47
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	7,510.40	376.06
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,827.74	376.06
26 27 16 00-0425		**300 To 800 Amperes, M-Frame Breaker Enclosures** *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,153.96	564.09
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,700.27	564.09
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	13,512.31	725.26
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	7,309.21	725.26
26 27 16 00-0430		**250 To 1,200 Amperes, P-Frame Breaker Enclosures** *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,629.29	564.09
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,451.98	564.09
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	9,191.47	725.26
26 27 16 00-0434		**Legend Plates** *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	22.92	6.71
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	30.72	6.71
26 27 19		**Multi-Outlet Assemblies** *(26 27)*		
26 27 19 00-0001		**Surface Metal Raceway, Preassembled With Outlets** *(26 27 19)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	31.29	9.80
		For Concrete Or Masonry Surface, Add	*0.98*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	24.16	6.98
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	22.87	7.38
		For Concrete Or Masonry Surface, Add	*0.74*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	25.02	6.98
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	20.55	7.11
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	27.88	6.98
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	24.76	6.98
		For Concrete Or Masonry Surface, Add	*0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	26.64	6.98
		For Concrete Or Masonry Surface, Add	*0.71*	

26 27 23 Indoor Service Poles *(26 27)*

26 27 23 00-0001 Communication And Power Poles *(26 27 23)*

Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.

26 27 23 00-0002 Steel Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	357.00	59.52
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	387.92	59.52
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	423.67	59.52

26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

Note: Excludes receptacles, communication jacks and wiring.

26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	73.10	12.27
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	63.34	12.27
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	71.75	12.27
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	53.10	12.27
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	43.69	12.27

26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	463.02	59.52
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	529.46	59.52
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	565.32	59.52

26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	48.95	12.27
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	43.98	12.27
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	47.54	12.27

26 27 23 00-0023 3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0024 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	603.82	59.52
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	683.80	59.52
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	736.52	59.52

26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	48.95	12.27
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	43.98	12.27
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	47.54	12.27

26 27 23 00-0032 Aluminum Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*

26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	483.83	59.52
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	539.74	59.52
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	602.43	59.52

26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	75.01	12.27
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	76.58	12.27
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	81.84	12.27
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	56.05	12.27
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	43.69	12.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0044		**2-1/4" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	466.36	59.52
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	523.71	59.52
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	591.28	59.52
26 27 23 00-0048		**5" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	977.19	59.52
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,117.84	59.52
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,275.38	59.52
26 27 23 00-0052		**2" Diameter, Round Aluminum Communication And Power Pole** *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	530.46	59.52
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	502.12	59.52
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	643.58	59.52

26 27 26 Wiring Devices *(26 27)*

Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.

26 27 26 00-0001 Receptacles *(26 27 26)*

26 27 26 00-0002 General Use Receptacles *(26 27 26 00-0001)*

26 27 26 00-0003 Receptacle Assemblies *(26 27 26 00-0002)*

Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.

26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	106.15	47.68
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	114.03	51.03
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	137.53	61.11
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	153.30	67.83
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	122.03	47.68
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	130.75	51.03

26 27 26 00-0010 Receptacle Components *(26 27 26 00-0002)*

26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	31.19	13.43
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	30.26	13.43
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	35.72	13.43
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	38.88	13.43
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	49.62	16.78
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	59.99	16.78
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	32.41	13.43
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	31.43	13.43
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	45.67	13.43
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	37.89	13.43
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	49.62	16.78
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	59.99	16.78
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	93.25	16.78
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	93.25	16.78
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	78.61	20.15

26 27 26 00-0026 Specialty Receptacles *(26 27 26 00-0001)*

26 27 26 00-0027 Specialty Receptacles *(26 27 26 00-0026)*

26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	70.54	23.51
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	70.54	23.51
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	90.09	23.51
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	106.67	23.51
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	113.40	26.86
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	104.78	26.86
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	102.35	26.86
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	89.82	26.86
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	108.90	26.86
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	126.66	26.86
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	133.37	30.22
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	146.71	33.58
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	160.14	40.29
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,516.61	315.62
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,705.07	386.13
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	84.16	26.86
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	123.21	40.29
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	78.88	16.78
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,592.88	409.00

26 27 26 00-0047 Isolated Ground Receptacles *(26 27 26 00-0026)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	98.93	13.43
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	67.08	16.78
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	66.84	16.78
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	92.98	26.86
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	75.06	16.78
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	68.85	16.78
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	94.98	20.15
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	75.65	20.15
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	97.28	20.15
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	118.37	20.15
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	116.93	26.86
26 27 26 00-0059		**Explosion Proof Receptacle Assembly** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	990.15	33.58
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	912.43	36.93
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,517.11	67.15
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,910.67	67.15
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,418.04	100.73
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,304.11	100.73
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	42.79	16.78
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	61.58	20.15
26 27 26 00-0069		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0070	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	77.40	16.78
26 27 26 00-0071	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	85.09	16.78
26 27 26 00-0072		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0073	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	60.64	16.78
26 27 26 00-0074	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	74.68	16.78
26 27 26 00-0075	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	67.19	20.15
26 27 26 00-0076	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	66.57	20.15
26 27 26 00-0077	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	78.92	20.15
26 27 26 00-0078	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	94.89	20.15
26 27 26 00-0079	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	93.12	20.15
26 27 26 00-0080	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	81.45	20.15
26 27 26 00-0081	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	92.78	26.86
26 27 26 00-0082	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	94.27	26.86
26 27 26 00-0083	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	125.47	26.86
26 27 26 00-0084		**Hospital Grade Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0085	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	61.04	13.43
26 27 26 00-0086	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	66.37	13.43
26 27 26 00-0087	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	76.46	13.43
26 27 26 00-0088	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	67.13	13.43
26 27 26 00-0089	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	77.57	13.43
26 27 26 00-0090	EA	20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	85.66	13.43
26 27 26 00-0091	EA	120 Volt, Transient Voltage, Surge Suppresser Receptacle Note: Hospital grade receptacle.	180.48	40.29
26 27 26 00-0092		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0093	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	302.19	67.15
26 27 26 00-0094	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	301.49	67.15
26 27 26 00-0095	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	314.58	67.15
26 27 26 00-0096	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	383.54	73.87
26 27 26 00-0097	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	384.63	73.87
26 27 26 00-0098	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	382.11	73.87
26 27 26 00-0099	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	457.80	82.59
26 27 26 00-0100	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	436.50	82.59
26 27 26 00-0101	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	469.84	82.59
26 27 26 00-0102	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	474.81	90.66
26 27 26 00-0103	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	474.39	90.66
26 27 26 00-0104	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	477.41	90.66
26 27 26 00-0105	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	667.32	107.44
26 27 26 00-0106	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	641.53	107.44
26 27 26 00-0107	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	658.32	107.44
26 27 26 00-0108	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	733.12	119.53
26 27 26 00-0109	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	733.62	119.53
26 27 26 00-0110	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	734.12	119.53
26 27 26 00-0111	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	816.04	134.31
26 27 26 00-0112	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	849.09	134.31
26 27 26 00-0113	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	913.59	147.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0114	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	911.11	147.74
26 27 26 00-0115	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	915.78	147.74
26 27 26 00-0116		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0117	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	82.20	13.43
26 27 26 00-0118	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	164.34	16.78
26 27 26 00-0119		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0120	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	32.89	13.43
26 27 26 00-0121	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	35.99	13.43
26 27 26 00-0122	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	44.90	13.43
26 27 26 00-0123	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	49.07	13.43
26 27 26 00-0124	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	74.16	13.43
26 27 26 00-0125	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	80.15	13.43
26 27 26 00-0126	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	85.85	13.43
26 27 26 00-0127		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0128	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	76.35	13.43
26 27 26 00-0129	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	82.53	13.43
26 27 26 00-0130		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0131	EA	TV Receptacle With Cover (Type F), Complete	85.59	31.16
26 27 26 00-0132		**Switches** *(26 27 26)*		
26 27 26 00-0133		**Switches** *(26 27 26 00-0132)*		
26 27 26 00-0134		**Switch Assemblies** *(26 27 26 00-0133)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	109.92	47.00
26 27 26 00-0136	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	118.54	51.03
26 27 26 00-0137	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	148.41	61.44
26 27 26 00-0138	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	162.98	68.16
26 27 26 00-0139	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	252.86	105.43
26 27 26 00-0140	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	274.73	115.50
26 27 26 00-0141	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	291.43	119.20
26 27 26 00-0142	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	320.59	132.62
26 27 26 00-0143		**Switch Components** *(26 27 26 00-0133)*		
26 27 26 00-0144	EA	15 Amperes, 120/277 Volt, SPST Switch	35.37	13.43
26 27 26 00-0145	EA	15 Amperes, 120/277 Volt, 3-Way Switch	44.76	16.78
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, 4-Way Switch	86.17	26.86
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, DPST Switch	40.32	13.43
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, Thermal Switch	75.88	16.78
26 27 26 00-0149	EA	20 Amperes, 120/277 Volt, SPST Switch	42.66	16.78
26 27 26 00-0150	EA	20 Amperes, 120/277 Volt, 3-Way Switch	52.71	20.15
26 27 26 00-0151	EA	20 Amperes, 120/277 Volt, 4-Way Switch	115.61	26.86
26 27 26 00-0152	EA	20 Amperes, 120/277 Volt, DPST Switch	50.60	16.78
26 27 26 00-0153	EA	20 Amperes, 120/277 Volt, DPDT Switch	54.11	16.78
26 27 26 00-0154	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	90.83	16.81
26 27 26 00-0155	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	114.45	16.81
26 27 26 00-0156	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	87.44	20.18
26 27 26 00-0157	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	64.63	23.51
26 27 26 00-0158	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	79.40	26.86
26 27 26 00-0159	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	115.68	26.86
26 27 26 00-0160	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	91.37	26.90
26 27 26 00-0161	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	112.61	26.90
26 27 26 00-0162	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	117.79	33.63
26 27 26 00-0163	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	164.39	36.99
26 27 26 00-0164	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	78.88	22.00
26 27 26 00-0165	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	111.24	22.00
26 27 26 00-0166	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	97.29	22.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0167	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	92.49	22.00
26 27 26 00-0168	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	102.20	10.90
26 27 26 00-0169	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	108.71	10.90
26 27 26 00-0170	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	115.99	41.97
26 27 26 00-0171	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	139.61	41.97
26 27 26 00-0172	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	166.24	13.45
26 27 26 00-0173	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	90.48	13.45
26 27 26 00-0174	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	280.83	13.43
26 27 26 00-0175	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	53.85	13.43
26 27 26 00-0176	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	96.36	13.45
26 27 26 00-0177	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	110.44	13.45
26 27 26 00-0178	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	141.14	13.45
26 27 26 00-0179	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	171.17	13.45
26 27 26 00-0180		**Specialty Switches** *(26 27 26 00-0132)*		
26 27 26 00-0181		**Dimmers With SPST Switch** *(26 27 26 00-0180)*		
26 27 26 00-0182	EA	600 Watt Dimmers With SPST Switch	78.82	30.22
26 27 26 00-0183	EA	1,000 Watt Dimmers With SPST Switch	136.22	30.22
26 27 26 00-0184	EA	1,500 Watt Dimmers With SPST Switch	245.49	48.62
26 27 26 00-0185	EA	2,000 Watt Dimmers With SPST Switch	318.73	48.62
26 27 26 00-0186	EA	600 Watt Fluorescent Dimmer Switch	177.22	35.86
26 27 26 00-0187	EA	1,000 Watt Fluorescent Dimmer Switch	240.24	35.86
26 27 26 00-0188	EA	1,500 Watt Fluorescent Dimmer Switch	435.14	54.13
26 27 26 00-0189	EA	Remote Speed Switch For Paddle Fan	130.01	44.72
26 27 26 00-0190	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	214.61	66.75
26 27 26 00-0191		**Time Switches** *(26 27 26 00-0180)*		
26 27 26 00-0192	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	146.88	40.29
26 27 26 00-0193	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	150.19	40.29
26 27 26 00-0194	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	146.88	40.29
26 27 26 00-0195	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	150.19	40.29
26 27 26 00-0196	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	168.98	40.29
26 27 26 00-0197	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	168.98	40.29
26 27 26 00-0198	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	299.36	40.29
26 27 26 00-0199	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	299.36	40.29
26 27 26 00-0200	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	257.53	40.29
26 27 26 00-0201	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	283.07	40.29
26 27 26 00-0202	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	283.07	40.29
26 27 26 00-0203	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	343.45	40.29
26 27 26 00-0204	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	353.61	40.29
26 27 26 00-0205	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	146.88	40.29
26 27 26 00-0206	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	150.19	40.29
26 27 26 00-0207	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	146.88	40.29
26 27 26 00-0208	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	150.19	40.29
26 27 26 00-0209	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	168.98	40.29
26 27 26 00-0210	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	168.98	40.29
26 27 26 00-0211	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	299.36	40.29
26 27 26 00-0212	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	299.36	40.29
26 27 26 00-0213	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	343.45	40.29
26 27 26 00-0214	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	353.61	40.29
26 27 26 00-0215		**Low Voltage Switching** *(26 27 26 00-0180)*		
26 27 26 00-0216	EA	36 Pin Male Or Female Connector	241.20	13.43
26 27 26 00-0217		**Other Switches** *(26 27 26 00-0180)*		
26 27 26 00-0218	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	44.40	20.15
26 27 26 00-0219	EA	SPST Locking Switch For Concealed Devices	135.92	53.73
26 27 26 00-0220	EA	3-Way Locking Switch For Concealed Devices	137.72	53.73
26 27 26 00-0221	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	150.97	50.23
26 27 26 00-0222	EA	15 Amperes Momentary Contact Switch	143.73	50.23
26 27 26 00-0223	EA	20 Amperes Momentary Contact Switch	151.36	50.23
26 27 26 00-0224	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	142.31	60.53
26 27 26 00-0225	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	144.44	60.53
26 27 26 00-0226	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	177.71	73.98
26 27 26 00-0227	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	161.61	67.25
26 27 26 00-0228	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	162.15	67.25
26 27 26 00-0229		**Plates And Covers** *(26 27 26)*		
26 27 26 00-0230		**Wall Plates** *(26 27 26 00-0229)*		
26 27 26 00-0231		**Nylon Wall Plates** *(26 27 26 00-0230)*		
26 27 26 00-0232	EA	1 Gang Nylon Switch Wall Plates	2.11	0.67
26 27 26 00-0233	EA	2 Gang Nylon Switch Wall Plates	3.57	1.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0234	EA	3 Gang Nylon Switch Wall Plates	5.07	1.34
26 27 26 00-0235	EA	4 Gang Nylon Switch Wall Plate	7.29	1.69
26 27 26 00-0236	EA	1 Gang Duplex Nylon Wall Plate	2.13	0.67
26 27 26 00-0237	EA	2 Gang Duplex Nylon Wall Plate	3.66	1.01
26 27 26 00-0238		**Plastic Wall Plates** *(26 27 26 00-0230)*		
26 27 26 00-0239	EA	1 Gang Plastic Switch Wall Plates	1.96	0.67
26 27 26 00-0240	EA	2 Gang Plastic Switch Wall Plates	3.26	1.01
26 27 26 00-0241	EA	3 Gang Plastic Switch Wall Plates	4.57	1.34
26 27 26 00-0242	EA	4 Gang Plastic Switch Wall Plates	7.29	1.69
26 27 26 00-0243	EA	1 Gang Duplex Plastic Wall Plate	1.96	0.67
26 27 26 00-0244	EA	2 Gang Duplex Plastic Wall Plate	3.27	1.01
26 27 26 00-0245		**Brass Wall Plates** *(26 27 26 00-0230)*		
26 27 26 00-0246	EA	1 Gang, 0.04" Brass Switch Wall Plates	20.62	3.03
26 27 26 00-0247	EA	2 Gang, 0.04" Brass Switch Wall Plates	38.61	3.49
26 27 26 00-0248	EA	3 Gang, 0.04" Brass Switch Wall Plates	56.47	3.90
26 27 26 00-0249	EA	4 Gang, 0.04" Brass Switch Wall Plates	87.82	4.23
26 27 26 00-0250	EA	5 Gang, 0.04" Brass Switch Wall Plates	106.96	4.51
26 27 26 00-0251	EA	6 Gang, 0.04" Brass Switch Wall Plates	123.79	4.71
26 27 26 00-0252	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	20.62	3.03
26 27 26 00-0253	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	45.24	3.49
26 27 26 00-0254	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	65.21	3.90
26 27 26 00-0255		**Stainless Steel Wall Plates** *(26 27 26 00-0230)*		
26 27 26 00-0256	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	11.04	3.03
26 27 26 00-0257	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	17.68	3.49
26 27 26 00-0258	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	24.69	3.90
26 27 26 00-0259	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	36.21	4.23
26 27 26 00-0260	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	42.64	4.51
26 27 26 00-0261	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	51.57	4.71
26 27 26 00-0262	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	12.09	3.03
26 27 26 00-0263	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	20.16	3.49
26 27 26 00-0264	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	32.91	3.90
26 27 26 00-0265	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	39.78	4.23
26 27 26 00-0266		**Chrome Wall Plates** *(26 27 26 00-0230)*		
26 27 26 00-0267	EA	1 Gang, 0.040" Chrome Switch Wall Plate	41.23	3.03
26 27 26 00-0268	EA	2 Gang 0.040" Chrome Switch Wall Plate	77.23	3.49
26 27 26 00-0269	EA	3 Gang 0.040" Chrome Switch Wall Plate	113.19	3.90
26 27 26 00-0270	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	41.20	3.03
26 27 26 00-0271		**Weatherproof Covers** *(26 27 26 00-0229)*		
26 27 26 00-0272		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0271)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0273	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	15.95	0.67
26 27 26 00-0274	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	17.30	0.67
26 27 26 00-0275	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	17.30	0.67
26 27 26 00-0276	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	17.30	0.67
26 27 26 00-0277	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	21.15	1.01
26 27 26 00-0278	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	24.07	1.01
26 27 26 00-0279	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	24.36	1.01
26 27 26 00-0280	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	24.36	1.01
26 27 26 00-0281	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	33.26	1.01
26 27 26 00-0282	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	31.35	1.34
26 27 26 00-0283	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	34.34	1.34
26 27 26 00-0284		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0271)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0285	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	19.58	0.67
26 27 26 00-0286	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	63.13	0.67
26 27 26 00-0287	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	70.82	0.67
26 27 26 00-0288	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	19.44	0.67
26 27 26 00-0289	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	53.47	0.67
26 27 26 00-0290	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	89.13	0.67
26 27 26 00-0291	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	113.55	0.67
26 27 26 00-0292	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	24.36	1.01
26 27 26 00-0293	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	179.40	1.01
26 27 26 00-0294	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	40.91	1.34
26 27 26 00-0295	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	171.23	1.34
26 27 26 00-0296		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0271)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0297	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	6.29	0.67
26 27 26 00-0298	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	8.10	0.67
26 27 26 00-0299	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	10.86	1.01
26 27 26 00-0300	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	11.80	1.01
26 27 26 00-0301	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	11.80	1.01
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	13.15	1.01
26 27 26 00-0303		**Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0271)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	65.20	0.67
26 27 26 00-0305		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0271)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0306	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.05	0.67
26 27 26 00-0307	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.05	0.67
26 27 26 00-0308	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.05	0.67
26 27 26 00-0309	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.11	1.01
26 27 26 00-0310	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.11	1.01
26 27 26 00-0311		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0271)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0312	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	94.95	0.67
26 27 26 00-0313		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0271)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0314	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	14.65	0.67
26 27 26 00-0315	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	15.71	1.01
26 27 26 00-0316	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	14.70	0.67
26 27 26 00-0317	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	32.43	0.67
26 27 26 00-0318	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	37.60	0.67
26 27 26 00-0319	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	30.48	0.67
26 27 26 00-0320	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.70	0.67
26 27 26 00-0321	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	26.57	0.67
26 27 26 00-0322	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	23.75	0.67
26 27 26 00-0323	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	34.20	1.01
26 27 26 00-0324		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0325	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	88.36	
26 27 26 00-0326	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	11.19	
26 27 26 00-0327		**Relay Systems** *(26 27 26)*		
26 27 26 00-0328	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	100.82	30.22
26 27 26 00-0329	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	429.03	100.73
26 27 26 00-0330	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	724.11	134.31
26 27 26 00-0331		**Limit Switches** *(26 27 26)*		
26 27 26 00-0332		**Heavy-Duty Precision Oiltight** *(26 27 26 00-0331)*		
26 27 26 00-0333		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0332)*		
26 27 26 00-0334	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	478.53	84.61
26 27 26 00-0335		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0336	EA	Single Pole Water Resistant In Line Midget Fuseholder	96.33	
26 27 26 00-0337	EA	Double Pole Water Resistant In Line Midget Fuseholder	221.01	
26 27 33		**Power Distribution Units** *(26 27)*		
		Note: Includes wiring connections and testing.		
26 27 33 00-0001		**Liebert Precision Power Center** *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,999.38	413.00
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,561.96	447.64
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,271.18	496.93
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,828.64	537.22
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	38,007.09	671.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,640.47	805.84
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,199.48	940.15
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,736.06	1,074.46
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,657.76	1,208.76
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,954.62	134.31
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,920.40	167.89
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,582.06	201.46
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	2,148.91	
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,611.68	

26 27 73 Door Chimes *(26 27)*

26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*

Note: Non-electric chime, mounted on door

26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	93.04	20.63

26 27 73 00-0003 Wireless Door Bell System *(26 27 73)*

26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH) Note: Includes 2 push buttons	149.96	
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G) Note: Includes 2 push buttons	141.41	
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300) Note: Includes 2 push buttons	106.47	

26 27 73 00-0007 Door Chimes *(26 27 73)*

26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	738.71	279.76
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	302.47	67.15
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete Note: Includes removal of existing.	122.39	33.58

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	33.36	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	32.41	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	31.13	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.95	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	32.15	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.80	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.24	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.67	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.98	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.30	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.38	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	

26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.86	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.72	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.61	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.23	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.34	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	49.62	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.03	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.69	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.07	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.59	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	64.09	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.71	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	63.74	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.90	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	61.64	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0030		**250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	118.78	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	118.09	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	132.09	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	116.99	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	347.40	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	252.00	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	230.08	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	242.80	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	462.32	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	496.12	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	534.14	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	409.42	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	923.93	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	871.62	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	677.18	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 28 13 00-0046		**600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	89.96	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	83.36	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	77.84	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	79.66	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	78.09	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	78.65	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.63	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.03	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	71.21	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.41	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	108.16	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	108.45	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	106.19	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	107.25	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	108.19	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0062		**600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	207.02	12.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	211.50	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	210.31	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	211.25	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	394.42	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	400.51	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	393.31	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	392.31	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	757.37	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	759.78	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	858.38	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	776.54	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,404.82	20.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.30*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,247.44	24.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,086.06	24.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0078		**600 Volt AC, Class CC Midget Fuses** *(26 28 13)* Note: 250/300 Volt DC.		
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	65.28	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	66.38	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	66.07	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	65.72	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	70.90	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	62.61	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	72.35	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	65.75	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	64.40	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	61.30	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	63.93	9.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.45*	
26 28 13 00-0090		**200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse** *(26 28 13)*		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	88.55	6.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	89.27	6.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	75.61	8.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	73.86	10.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	75.59	10.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	74.05	10.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	93.94	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	76.71	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	141.03	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	118.87	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	137.64	13.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.06*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	118.87	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	116.49	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	184.91	20.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	198.07	20.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	194.71	20.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	166.55	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	411.88	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	347.59	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	328.35	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	333.46	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	273.66	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	720.90	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	665.09	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	611.38	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	668.54	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	546.33	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,184.12	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	999.52	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	737.49	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,294.12	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,298.67	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,302.91	16.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,293.33	20.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,111.09	20.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,257.66	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,076.74	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,324.49	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,278.85	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,023.17	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,078.07	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,768.20	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,013.22	26.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,098.12	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,776.73	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,602.94	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,746.54	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,799.05	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,021.61	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,964.85	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,575.43	30.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.13*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,225.04	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,738.00	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,026.03	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,097.76	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,994.71	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,568.42	36.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.16*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,470.69	36.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.16*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,992.76	36.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.16*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,347.28	36.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.16*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,029.56	36.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.16*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	16,617.14	36.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.16*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	71.12	24.18
		For Bolt-On, Add	*18.29*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	71.12	24.18
		For Bolt-On, Add	*18.29*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	107.27	30.22
		For Bolt-On, Add	*25.16*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	176.25	30.22
		For Bolt-On, Add	*33.78*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	255.13	30.22
		For Bolt-On, Add	*43.64*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	300.10	30.22
		For Bolt-On, Add	*49.26*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	132.79	30.22
		For Bolt-On, Add	*28.35*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	120.70	36.26
		For Bolt-On, Add	*29.19*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	120.70	36.26
		For Bolt-On, Add	*29.19*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	187.69	48.35
		For Bolt-On, Add	*42.26*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	328.27	60.44
		For Bolt-On, Add	*64.54*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	391.16	67.15
		For Bolt-On, Add	*74.75*	
		For Installation In New Panelboard, Deduct	*-36.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.32*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	343.09	42.98
		For Bolt-On, Add	*59.81*	
		For Installation In New Panelboard, Deduct	*-24.18*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.01*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	472.11	42.98
		For Bolt-On, Add	*75.94*	
		For Installation In New Panelboard, Deduct	*-24.18*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.01*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	247.88	48.35
		For Bolt-On, Add	*49.79*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	247.88	48.35
		For Bolt-On, Add	*49.79*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	327.50	60.44
		For Bolt-On, Add	*64.44*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	512.14	72.52
		For Bolt-On, Add	*92.22*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	660.40	84.61
		For Bolt-On, Add	*115.46*	
		For Installation In New Panelboard, Deduct	*-47.01*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.41*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	111.98	24.18
		For Bolt-On, Add	*23.40*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	111.98	24.18
		For Bolt-On, Add	*23.40*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	211.75	30.22
		For Bolt-On, Add	*38.22*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	344.37	30.22
		For Bolt-On, Add	*54.80*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	228.30	36.26
		For Bolt-On, Add	*42.64*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	228.30	36.26
		For Bolt-On, Add	*42.64*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	470.38	48.35
		For Bolt-On, Add	*77.60*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	645.73	60.44
		For Bolt-On, Add	*104.22*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	969.00	67.15
		For Bolt-On, Add	*146.98*	
		For Installation In New Panelboard, Deduct	*-36.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.32*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	372.71	48.35
		For Bolt-On, Add	*65.39*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	372.71	48.35
		For Bolt-On, Add	*65.39*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	568.10	60.44
		For Bolt-On, Add	*94.52*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	820.34	72.52
		For Bolt-On, Add	*130.75*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,295.18	84.61
		For Bolt-On, Add	*194.80*	
		For Installation In New Panelboard, Deduct	*-47.01*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.41*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,500.94	90.66
		For Bolt-On, Add	*222.87*	
		For Installation In New Panelboard, Deduct	*-50.37*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.44*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,613.12	96.70
		For Bolt-On, Add	*239.25*	
		For Installation In New Panelboard, Deduct	*-53.72*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.47*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,919.37	102.75
		For Bolt-On, Add	*279.88*	
		For Installation In New Panelboard, Deduct	*-57.08*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.50*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	138.85	24.18
		For Bolt-On, Add	*26.76*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	138.85	24.18
		For Bolt-On, Add	*26.76*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	238.28	30.22
		For Bolt-On, Add	*41.54*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	298.30	36.26
		For Bolt-On, Add	*51.39*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	298.30	36.26
		For Bolt-On, Add	*51.39*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	537.50	48.35
		For Bolt-On, Add	*85.99*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,437.04	60.44
		For Bolt-On, Add	*203.13*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	488.23	48.35
		For Bolt-On, Add	*79.83*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	488.23	48.35
		For Bolt-On, Add	*79.83*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	652.18	60.44
		For Bolt-On, Add	*105.03*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,781.08	72.52
		For Bolt-On, Add	*250.84*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	161.65	24.18
		For Bolt-On, Add	*29.61*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	161.65	24.18
		For Bolt-On, Add	*29.61*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	188.93	30.22
		For Bolt-On, Add	*35.37*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	341.32	30.22
		For Bolt-On, Add	*54.42*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	357.80	36.26
		For Bolt-On, Add	*58.83*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	357.80	36.26
		For Bolt-On, Add	*58.83*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	429.71	48.35
		For Bolt-On, Add	*72.52*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	628.36	60.44
		For Bolt-On, Add	*102.05*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	823.96	67.15
		For Bolt-On, Add	*128.85*	
		For Installation In New Panelboard, Deduct	*-36.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.32*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,032.99	78.57
		For Bolt-On, Add	*159.68*	
		For Installation In New Panelboard, Deduct	*-43.65*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,108.86	90.66
		For Bolt-On, Add	*173.86*	
		For Installation In New Panelboard, Deduct	*-50.37*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.44*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	430.70	48.35
		For Bolt-On, Add	*72.64*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	430.70	48.35
		For Bolt-On, Add	*72.64*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	501.63	60.44
		For Bolt-On, Add	*86.21*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	780.95	72.52
		For Bolt-On, Add	*125.82*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,026.46	94.02
		For Bolt-On, Add	*164.74*	
		For Installation In New Panelboard, Deduct	*-52.05*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.45*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,274.89	108.79
		For Bolt-On, Add	*201.67*	
		For Installation In New Panelboard, Deduct	*-60.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,356.63	115.50
		For Bolt-On, Add	*214.24*	
		For Installation In New Panelboard, Deduct	*-63.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.55*	
26 28 16 13-0071		**Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	372.66	36.26
		For Bolt-On, Add	*60.68*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	372.66	36.26
		For Bolt-On, Add	*60.68*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	573.40	48.35
		For Bolt-On, Add	*90.48*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	949.49	60.44
		For Bolt-On, Add	*142.19*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,497.59	75.21
		For Bolt-On, Add	*216.58*	
		For Installation In New Panelboard, Deduct	*-41.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.37*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,704.60	78.57
		For Bolt-On, Add	*243.63*	
		For Installation In New Panelboard, Deduct	*-43.65*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.38*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,857.78	90.66
		For Bolt-On, Add	*267.48*	
		For Installation In New Panelboard, Deduct	*-50.37*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.44*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	539.31	48.35
		For Bolt-On, Add	*86.22*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	539.31	48.35
		For Bolt-On, Add	*86.22*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	679.83	60.44
		For Bolt-On, Add	*108.48*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,183.82	72.52
		For Bolt-On, Add	*176.18*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,742.46	94.02
		For Bolt-On, Add	*254.24*	
		For Installation In New Panelboard, Deduct	*-52.05*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.45*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,060.08	108.79
		For Bolt-On, Add	*299.82*	
		For Installation In New Panelboard, Deduct	*-60.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,231.69	115.50
		For Bolt-On, Add	*323.62*	
		For Installation In New Panelboard, Deduct	*-63.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.55*	
26 28 16 13-0086		**Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	387.44	36.26
		For Bolt-On, Add	*62.53*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	387.44	36.26
		For Bolt-On, Add	*62.53*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	709.78	48.35
		For Bolt-On, Add	*107.52*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,327.63	60.44
		For Bolt-On, Add	*189.46*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,122.67	75.21
		For Bolt-On, Add	*294.71*	
		For Installation In New Panelboard, Deduct	*-41.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.37*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,423.51	78.57
		For Bolt-On, Add	*333.49*	
		For Installation In New Panelboard, Deduct	*-43.65*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.38*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	2,633.57	90.66
		For Bolt-On, Add	*364.45*	
		For Installation In New Panelboard, Deduct	*-50.37*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.44*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	641.60	48.35
		For Bolt-On, Add	*99.00*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	641.60	48.35
		For Bolt-On, Add	*99.00*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	857.12	60.44
		For Bolt-On, Add	*130.64*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,615.89	72.52
		For Bolt-On, Add	*230.19*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,039.48	94.02
		For Bolt-On, Add	*291.37*	
		For Installation In New Panelboard, Deduct	*-52.05*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.45*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,294.41	108.79
		For Bolt-On, Add	*454.11*	
		For Installation In New Panelboard, Deduct	*-60.44*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.53*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,509.69	115.50
		For Bolt-On, Add	*483.37*	
		For Installation In New Panelboard, Deduct	*-63.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.55*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	198.88	24.18
		For Bolt-On, Add	*34.26*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	198.88	24.18
		For Bolt-On, Add	*34.26*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	355.65	30.22
		For Bolt-On, Add	*56.21*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	447.93	36.26
		For Bolt-On, Add	*70.09*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	447.93	36.26
		For Bolt-On, Add	*70.09*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	834.96	48.35
		For Bolt-On, Add	*123.17*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,577.67	60.44
		For Bolt-On, Add	*220.71*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	3,110.24	75.21
		For Bolt-On, Add	*418.16*	
		For Installation In New Panelboard, Deduct	*-41.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.37*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	750.74	48.35
		For Bolt-On, Add	*112.64*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	750.74	48.35
		For Bolt-On, Add	*112.64*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,008.77	60.44
		For Bolt-On, Add	*149.60*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,945.47	72.52
		For Bolt-On, Add	*271.39*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	3,867.31	94.02
		For Bolt-On, Add	*519.85*	
		For Installation In New Panelboard, Deduct	*-52.05*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.45*	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	303.76	24.18
		For Bolt-On, Add	*47.37*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	303.76	24.18
		For Bolt-On, Add	*47.37*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	467.20	30.22
		For Bolt-On, Add	*70.15*	
		For Installation In New Panelboard, Deduct	*-16.79*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	569.28	36.26
		For Bolt-On, Add	*85.26*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	569.28	36.26
		For Bolt-On, Add	*85.26*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,096.20	48.35
		For Bolt-On, Add	*155.83*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,020.90	60.44
		For Bolt-On, Add	*276.12*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	4,091.40	67.15
		For Bolt-On, Add	*537.28*	
		For Installation In New Panelboard, Deduct	*-36.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.32*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	993.91	48.35
		For Bolt-On, Add	*143.04*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	993.91	48.35
		For Bolt-On, Add	*143.04*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,384.46	60.44
		For Bolt-On, Add	*196.56*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,275.06	72.52
		For Bolt-On, Add	*312.59*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	5,151.96	94.02
		For Bolt-On, Add	*680.43*	
		For Installation In New Panelboard, Deduct	*-52.05*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.45*	

26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	122.72	24.18
		For Bolt-On, Add	*24.74*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	275.00	36.26
		For Bolt-On, Add	*48.48*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	446.12	48.35
		For Bolt-On, Add	*74.57*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	285.79	24.18
		For Bolt-On, Add	*45.13*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	285.79	24.18
		For Bolt-On, Add	*45.13*	
		For Installation In New Panelboard, Deduct	*-13.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.12*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	568.86	48.35
		For Bolt-On, Add	*89.91*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	669.23	36.26
		For Bolt-On, Add	*97.76*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	669.23	36.26
		For Bolt-On, Add	*97.76*	
		For Installation In New Panelboard, Deduct	*-20.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,321.47	48.35
		For Bolt-On, Add	*183.99*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,270.93	60.44
		For Bolt-On, Add	*307.37*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	5,073.31	75.21
		For Bolt-On, Add	*663.54*	
		For Installation In New Panelboard, Deduct	*-41.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.37*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,136.91	48.35
		For Bolt-On, Add	*160.92*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,136.91	48.35
		For Bolt-On, Add	*160.92*	
		For Installation In New Panelboard, Deduct	*-26.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.23*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,592.05	60.44
		For Bolt-On, Add	*222.51*	
		For Installation In New Panelboard, Deduct	*-33.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.29*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,456.90	72.52
		For Bolt-On, Add	*335.32*	
		For Installation In New Panelboard, Deduct	*-40.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.35*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	6,308.81	94.02
		For Bolt-On, Add	*825.03*	
		For Installation In New Panelboard, Deduct	*-52.05*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.45*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*
Note: Includes fuses and neutral bar.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0004		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	501.16	134.31
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	788.78	161.84
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,084.90	189.37
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,869.36	298.17
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,979.21	463.36
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,647.01	684.97
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,070.82	805.84
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,181.86	940.15
26 28 16 16-0013		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	763.99	149.22
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	921.78	179.84
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,467.66	210.19
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,169.53	331.74
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,738.74	514.67
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,388.12	760.71
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,930.67	894.89
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,937.64	1,044.64
26 28 16 16-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	712.49	210.86
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,050.61	280.03
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,416.06	310.92
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,240.12	486.86
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,657.82	799.13
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,579.93	1,119.45
26 28 16 16-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	931.87	233.03
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,184.07	310.92
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,746.95	349.87
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,571.88	533.20
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,734.94	860.91
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,231.69	1,243.68
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,700.41	1,477.37
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,795.75	1,678.83
26 28 16 16-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	690.16	210.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,021.74	280.03
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,363.55	310.92
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,312.34	486.86
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,064.79	799.13
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,192.19	1,119.45
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,568.38	1,410.23
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,732.98	1,611.68
26 28 16 16-0047		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,013.81	233.03
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,284.77	310.92
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,894.20	349.87
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,792.30	533.20
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,205.22	860.91
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,062.27	1,243.68
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,079.37	1,477.37
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	20,285.32	1,678.83
26 28 16 16-0056		**Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0002)*		
26 28 16 16-0057		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	487.04	194.34
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	756.90	270.36
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,043.87	310.92
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,635.19	497.47
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,301.17	829.08
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,400.22	1,130.60
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,718.14	1,343.07
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,194.09	1,567.49
26 28 16 16-0066		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	537.95	214.49
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	857.21	303.40
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,179.92	345.44
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,831.29	540.72
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,551.84	888.30
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,972.83	1,243.54
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,561.08	1,343.07
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,348.47	1,567.49
26 28 16 16-0075		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	568.18	174.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	869.78	243.10
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,173.67	280.03
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,843.93	447.91
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,692.68	746.07
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,953.95	1,017.37
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,249.08	1,208.76
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,356.69	1,410.23
26 28 16 16-0084		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	619.87	192.73
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	956.47	273.32
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,279.71	310.92
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,989.53	486.86
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,956.42	799.13
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,437.37	1,119.45
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,806.74	1,208.76
26 28 16 16-0092		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	661.45	193.00
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,027.39	273.05
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,395.03	310.92
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,167.16	486.59
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,204.90	799.40
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,172.75	1,119.18
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,646.26	1,208.76
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,237.53	1,410.23
26 28 16 16-0101		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	967.56	174.87
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,169.32	243.37
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,791.47	279.76
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,688.88	447.64
26 28 16 16-0106		**480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,047.89	192.73
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,277.45	273.32
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,941.66	310.92
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,894.86	486.86
26 28 16 16-0111		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,163.63	193.00
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,405.11	273.05
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,171.23	310.92
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,229.27	486.59
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
		Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	348.08	116.84
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	474.20	140.62
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	728.76	164.39
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,348.35	259.35
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,204.17	402.25
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,990.15	595.38
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	481.29	183.60
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	679.18	243.37
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	940.66	270.36
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,677.40	423.21
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,793.02	695.17
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,751.85	973.18
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	535.29	183.60
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	766.24	243.37
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,019.88	270.36
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,876.99	423.21
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,134.19	695.17
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,968.11	973.18
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	475.64	162.51
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	632.69	186.82
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,427.33	298.57
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,059.29	496.93
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,293.59	677.17
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	449.32	152.03
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	615.71	211.53
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	935.46	243.37
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,609.69	389.36
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,364.34	648.97
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,710.80	884.55
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	735.47	157.82
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,169.13	189.37
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,460.98	220.26
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,138.72	335.77
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,723.02	537.22
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,274.48	716.53
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,402.23	805.84
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,432.40	940.15
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,264.92	210.32
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,506.35	257.87
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,137.06	296.15
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,011.37	444.16
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,549.86	726.73
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,040.36	999.38
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,697.90	1,150.74
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,496.38	1,295.39
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	938.87	248.47
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,489.37	329.05
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,794.57	361.28
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,661.28	559.39
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,751.40	932.76
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,589.64	1,243.68
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,435.84	294.54

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26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,713.29	361.02
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,292.87	414.47
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,331.01	621.84
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,010.64	1,017.51
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,657.50	1,399.08
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,912.76	1,611.68
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,440.78	1,813.14
26 28 16 16-0188		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,030.44	248.47
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,492.02	329.05
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,923.32	361.28
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,747.15	559.39
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,830.18	932.76
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,456.12	1,243.68
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,443.31	1,410.23
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,741.53	1,611.68
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,488.38	294.80
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,772.35	361.28
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,424.15	414.34
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,416.34	621.84
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,319.16	1,017.37
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,011.96	1,398.80
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,028.93	1,611.68
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,912.04	1,813.14
26 28 16 16-0206		**Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	698.12	138.21
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,139.62	191.38
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,498.13	219.46
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,993.77	355.38
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,437.47	592.83
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,090.03	790.40
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,013.18	940.55
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,177.89	1,074.86
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	785.98	152.30
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,291.45	213.15
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,691.60	240.68
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,212.64	373.11
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,035.74	621.84
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,734.34	829.08
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,878.07	985.28
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,313.03	1,119.18
26 28 16 16-0225		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	836.30	207.23
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,330.94	287.01
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,717.59	329.19
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,349.08	533.06
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,096.22	889.12
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,009.57	1,185.26
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,097.96	1,410.23
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,663.13	1,611.68
26 28 16 16-0234		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	908.71	228.33
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,450.61	319.79
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,856.96	361.02
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,494.04	559.66
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,420.16	932.62
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,599.67	1,243.54
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,037.52	1,477.37
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,898.06	1,678.83
26 28 16 16-0243		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	490.99	228.33
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,504.64	319.79
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,932.29	361.02
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,585.72	559.66
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,657.54	932.62
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,563.40	1,243.54
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,017.20	1,477.37
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,870.41	1,678.83
26 28 16 16-0252		**General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0253		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	450.20	137.26
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	635.01	164.66
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	834.97	191.52
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,711.57	291.98
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,184.84	467.12
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,416.10	623.18
26 28 16 16-0260		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	608.97	216.37
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	878.61	286.21
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,079.39	314.01
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,101.98	486.59
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,875.01	810.95
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,343.31	1,081.71
26 28 16 16-0267		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	684.64	216.23
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	954.54	286.21
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,323.76	314.01
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,259.80	486.59
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,976.38	811.08
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,134.63	1,081.71
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,051.52	1,225.42
26 28 16 16-0275		**General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0276		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	406.21	120.20
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	664.56	166.40
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	698.66	190.85
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,746.18	308.91
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,282.37	515.47
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,547.79	687.25
26 28 16 16-0283		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	635.78	180.24
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	915.16	249.54
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,339.37	286.21
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,302.18	463.50

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,951.26	134.31
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,343.96	161.84
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,781.20	189.11
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,613.16	298.43
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,443.62	463.10
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,324.30	684.70
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,476.08	149.22
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,753.59	179.70
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,169.44	210.06
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,306.13	331.74
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,961.50	514.93
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,018.91	760.71
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,193.01	211.13
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,748.78	279.76
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,242.57	310.92
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,452.71	486.59
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,530.43	799.40
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,735.99	1,119.18
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,650.75	233.16
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,023.34	310.92
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,463.54	349.74
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,729.19	532.93
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,006.41	860.91
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,353.61	1,243.54
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,621.17	211.13
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,284.02	279.76
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,313.59	310.92
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,917.27	486.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,412.88	799.40
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	24,697.18	1,119.18
26 28 16 16-0325		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,156.67	233.16
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,597.04	310.92
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,556.78	349.74
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,206.00	532.93
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,927.76	860.91
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,368.80	1,243.54
26 28 16 16-0332		**Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0288)*		
26 28 16 16-0333		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,872.25	134.31
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,279.16	186.82
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,288.63	214.89
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,950.85	343.29
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,833.22	571.61
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,515.29	778.72
26 28 16 16-0340		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,129.13	148.14
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,596.55	209.52
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,887.64	238.80
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,762.55	373.11
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,302.39	614.05
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,671.15	859.57
26 28 16 16-0347		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,953.39	174.87
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,361.74	243.37
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,465.03	279.76
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,754.20	447.64
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,756.51	746.21
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,452.52	1,017.51
26 28 16 16-0354		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,218.67	193.00
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,723.58	273.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,031.88	310.92
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,989.47	486.59
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,953.19	799.40
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,715.66	1,119.18
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,685.37	174.87
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,220.29	243.37
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,243.77	279.76
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,050.53	447.64
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,055.21	193.00
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,670.16	273.05
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,260.82	310.92
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,579.12	486.59
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,553.11	233.03
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,050.57	310.92
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,278.57	349.87
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,474.82	533.20
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,326.96	192.73
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,814.56	273.32
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,880.47	310.92
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,353.26	486.86
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,062.52	233.03
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,620.59	310.92
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,356.56	349.87
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,808.95	192.73
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,354.28	273.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,915.17	310.92
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,213.88	268.62
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,629.28	319.79
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,024.86	361.02
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,538.75	559.66
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,497.41	319.79
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,922.55	361.02
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,371.78	559.66
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	713.01	134.31
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	930.97	161.84
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,270.07	189.37
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,141.95	298.17
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,569.38	463.36
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,248.66	684.97
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,118.99	149.08
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,154.00	179.97
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,661.81	210.19
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,600.02	331.74
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,670.86	514.40
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,215.65	760.85
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	991.16	210.86
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,372.87	280.03
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,873.51	310.92
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,784.88	486.86
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,465.20	799.13
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,772.52	1,119.45
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,319.70	233.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,494.83	310.92
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,202.71	349.87
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,205.87	533.20
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,717.24	860.91
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,635.45	1,243.68
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,059.08	210.86
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,419.53	280.03
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,019.97	310.92
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,968.76	486.86
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,957.54	799.13
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,105.13	1,119.45
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,398.45	233.03
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,704.89	310.92
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,347.15	349.87
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,481.55	533.20
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,163.60	860.91
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,003.03	1,243.68
26 28 16 16-0445		**Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	746.07	194.08
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	989.36	270.63
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,311.92	310.92
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,871.01	497.60
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,115.25	829.35
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,516.90	1,130.86
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	831.59	214.22
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,099.61	303.54
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,462.20	345.17
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,032.88	540.59
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,357.40	888.44
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,200.34	1,243.68
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	960.82	174.60
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,263.79	243.10
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,683.84	280.03
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,402.27	447.91
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,065.23	746.07
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,997.25	1,017.37
26 28 16 16-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	939.97	192.73
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,366.49	273.32
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,803.35	310.92
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,371.41	486.86
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,084.50	799.13
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,524.74	1,119.45
26 28 16 16-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,155.14	174.60
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,374.30	243.10
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,136.57	280.03
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,387.95	447.91
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,134.16	570.80
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,199.91	192.73
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,497.78	273.32
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,282.54	310.92
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,480.75	486.86
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,522.34	752.12
26 28 16 16-0486		Double Throw Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	895.03	172.58
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,322.07	225.63
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,854.32	294.80
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,472.70	383.45
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,964.69	479.48
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,851.15	768.91
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,448.72	1,074.46
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,344.48	1,208.76
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,614.80	1,343.07
26 28 16 16-0498		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,129.52	241.75
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,576.58	315.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,372.96	413.00
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,484.31	537.22
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,219.29	671.53
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,469.77	1,074.46
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,426.64	1,208.76
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,202.38	1,343.07
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,765.95	1,477.37
26 28 16 16-0508		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0509	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,500.73	302.19
26 28 16 16-0510	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,183.21	394.86
26 28 16 16-0511	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,873.86	515.74
26 28 16 16-0512	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,306.37	670.19
26 28 16 16-0513	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,692.60	839.42
26 28 16 16-0514	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,529.17	1,345.09
26 28 16 16-0515	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,122.18	1,477.37
26 28 16 16-0516	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,775.72	1,544.53
26 28 16 16-0517	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,546.56	1,611.68
26 28 16 16-0518		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0519	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,526.81	225.63
26 28 16 16-0520	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,295.76	294.80
26 28 16 16-0521	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,383.93	383.45
26 28 16 16-0522	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,979.21	479.48
26 28 16 16-0523	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,794.47	768.91
26 28 16 16-0524	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,478.75	1,074.46
26 28 16 16-0525	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,937.17	1,208.76
26 28 16 16-0526	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,507.68	1,343.07
26 28 16 16-0527		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0528	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,706.58	315.62
26 28 16 16-0529	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,531.44	413.00
26 28 16 16-0530	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,690.20	537.22
26 28 16 16-0531	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,363.01	671.53
26 28 16 16-0532	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,407.46	1,074.46
26 28 16 16-0533	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,527.55	1,208.76
26 28 16 16-0534	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,988.86	1,343.07
26 28 16 16-0535	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,747.08	1,477.37
26 28 16 16-0536		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0537	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,311.33	394.86
26 28 16 16-0538	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,059.25	515.74
26 28 16 16-0539	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,689.23	670.19
26 28 16 16-0540	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,508.78	839.42
26 28 16 16-0541	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,443.28	1,345.09
26 28 16 16-0542	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,538.92	1,477.37
26 28 16 16-0543	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,744.39	1,544.53
26 28 16 16-0544	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	27,778.87	1,611.68
26 28 16 16-0545		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0546		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0547	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,318.45	294.80
26 28 16 16-0548	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,321.49	383.45
26 28 16 16-0549	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,440.68	479.48
26 28 16 16-0550	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	30,039.15	768.91
26 28 16 16-0551		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0552	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,038.52	412.32
26 28 16 16-0553	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,907.56	536.55
26 28 16 16-0554	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,979.78	671.53
26 28 16 16-0555	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,534.72	1,076.47
26 28 16 16-0556		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0557	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,929.97	302.32
26 28 16 16-0558	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,633.02	394.60
26 28 16 16-0559	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,094.99	515.60
26 28 16 16-0560	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,369.00	670.46
26 28 16 16-0561	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,516.67	839.42
26 28 16 16-0562	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,596.12	1,345.22
26 28 16 16-0563		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0564	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,966.69	225.63
26 28 16 16-0565	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,994.09	294.80
26 28 16 16-0566	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,452.66	383.45
26 28 16 16-0567	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,495.45	479.48
26 28 16 16-0568	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,023.95	768.91
26 28 16 16-0569		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0570	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,227.10	315.62
26 28 16 16-0571	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,356.61	412.32
26 28 16 16-0572	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,005.50	536.55
26 28 16 16-0573	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,381.20	671.53
26 28 16 16-0574	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,293.27	1,076.47
26 28 16 16-0575		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0576	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,662.69	394.60
26 28 16 16-0577	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,108.59	515.60
26 28 16 16-0578	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,558.01	670.46
26 28 16 16-0579	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,494.35	839.42
26 28 16 16-0580	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,719.13	1,345.22
26 28 16 16-0581		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0582		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0583	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,345.77	172.72
26 28 16 16-0584	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,656.71	225.50
26 28 16 16-0585	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,005.59	294.67
26 28 16 16-0586	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,132.15	383.18
26 28 16 16-0587	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,724.14	479.61
26 28 16 16-0588	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,326.57	768.64
26 28 16 16-0589		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0590	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,695.02	241.75
26 28 16 16-0591	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,187.32	315.62
26 28 16 16-0592	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,781.90	412.32
26 28 16 16-0593	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,273.38	536.55
26 28 16 16-0594	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,615.95	671.53
26 28 16 16-0595	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,703.87	1,076.47
26 28 16 16-0596		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0597	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,027.35	302.32
26 28 16 16-0598	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,711.42	394.60
26 28 16 16-0599	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,459.89	515.60
26 28 16 16-0600	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,775.81	670.46
26 28 16 16-0601	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,251.39	839.42
26 28 16 16-0602	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,187.86	1,345.22
26 28 16 16-0603		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0604	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,505.95	225.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0605	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,685.87	294.67
26 28 16 16-0606	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,990.67	383.18
26 28 16 16-0607	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,089.10	479.61
26 28 16 16-0608	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,545.19	768.64
26 28 16 16-0609		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0581)*		
26 28 16 16-0610	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,847.11	315.62
26 28 16 16-0611	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,084.68	412.32
26 28 16 16-0612	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,624.22	536.55
26 28 16 16-0613	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,953.07	671.53
26 28 16 16-0614	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,788.80	1,076.47
26 28 16 16-0615		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0581)*		
26 28 16 16-0616	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,759.80	394.60
26 28 16 16-0617	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,816.77	515.60
26 28 16 16-0618	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,986.16	670.46
26 28 16 16-0619	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,704.17	839.42
26 28 16 16-0620	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,788.01	1,345.22
26 28 16 16-0621		**Removal And Reinstallation Of Disconnect (Safety) Switches** *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0622	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	671.53	
26 28 16 16-0623	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	873.03	
26 28 16 16-0624	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	973.81	
26 28 16 16-0625	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,141.68	
26 28 16 16-0626		**Bolted Contact Switches** *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0627		**Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0626)*		
26 28 16 16-0628		**Top Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0627)*		
26 28 16 16-0629	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,579.44	1,343.07
26 28 16 16-0630	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,455.33	1,611.68
26 28 16 16-0631	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,467.97	1,880.30
26 28 16 16-0632	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	13,168.03	2,148.91
26 28 16 16-0633	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,871.01	2,417.52
26 28 16 16-0634	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	18,645.00	2,686.14
26 28 16 16-0635	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	25,124.94	3,223.37
26 28 16 16-0636		**Bottom Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0627)*		
26 28 16 16-0637	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	11,211.17	1,343.07
26 28 16 16-0638	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	12,210.79	1,611.68
26 28 16 16-0639	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	13,216.92	1,880.30
26 28 16 16-0640	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	14,242.61	2,148.91
26 28 16 16-0641	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	16,030.25	2,417.52
26 28 16 16-0642	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	20,820.22	2,686.14
26 28 16 16-0643	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	27,391.33	3,223.37
26 28 16 16-0644		**Manually Operated, Bolted Contact Switches** *(26 28 16 16-0626)*		
26 28 16 16-0645		**Top Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 16-0644)*		
26 28 16 16-0646	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,739.94	1,343.07
26 28 16 16-0647	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,649.69	1,611.68
26 28 16 16-0648	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,612.83	1,880.30
26 28 16 16-0649	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,568.19	2,148.91
26 28 16 16-0650	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	11,588.64	2,417.52
26 28 16 16-0651	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	15,362.64	2,686.14
26 28 16 16-0652	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	21,764.42	3,223.37
26 28 16 16-0653		**Bottom Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 16-0644)*		
26 28 16 16-0654	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	8,158.05	1,343.07
26 28 16 16-0655	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	9,281.41	1,611.68
26 28 16 16-0656	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	10,225.02	1,880.30
26 28 16 16-0657	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	11,377.05	2,148.91
26 28 16 16-0658	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	12,604.61	2,417.52
26 28 16 16-0659	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	17,375.04	2,686.14
26 28 16 16-0660	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	23,874.51	3,223.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

26 29 13 13-0002 Fractional HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	255.62	67.25
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.36*	
		For Oversized Enclosure, Add	*33.80*	
		For Pilot Light, Add	*49.57*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	334.85	87.43
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.36*	
		For Oversized Enclosure, Add	*33.80*	
		For Pilot Light, Add	*49.57*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	289.42	67.25
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.36*	
		For Oversized Enclosure, Add	*33.80*	
		For Pilot Light, Add	*49.57*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	368.65	87.43
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.36*	
		For Oversized Enclosure, Add	*33.80*	
		For Pilot Light, Add	*49.57*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	270.27	67.25
		For Oversized Enclosure, Add	*33.80*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	354.00	87.43
		For Oversized Enclosure, Add	*33.80*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	546.14	80.70
		For Pilot Light, Add	*129.55*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	628.74	100.88
		For Pilot Light, Add	*129.55*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	579.93	80.70
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	659.16	100.88

26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1)	206.25	67.25
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.31*	
		For Pilot Light, Add	*78.27*	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2)	336.83	87.43
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.31*	
		For Pilot Light, Add	*78.27*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5)	232.74	73.98
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.31*	
		For Pilot Light, Add	*78.27*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6)	364.40	94.16
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.31*	
		For Pilot Light, Add	*78.27*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)	237.78	67.25
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.31*	
		For Pilot Light, Add	*78.27*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4)	369.44	87.43
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.31*	
		For Pilot Light, Add	*78.27*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	502.73	80.70
		For Pilot Light, Add	*123.92*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	621.35	100.88
		For Pilot Light, Add	*123.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	530.32	87.43
		For Pilot Light, Add	*123.92*	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	645.67	107.60
		For Pilot Light, Add	*123.92*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	533.17	80.70
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	660.48	100.88
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	150.68	47.07
		For Pilot Light, Add	*78.27*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	281.26	67.25
		For Pilot Light, Add	*78.27*	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	177.17	53.81
		For Pilot Light, Add	*78.27*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	307.74	73.98
		For Pilot Light, Add	*78.27*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	554.08	121.05
		For Pilot Light, Add	*126.09*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	802.19	161.41
		For Pilot Light, Add	*126.09*	

26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	554.08	121.05
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	802.19	161.41

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	507.28	80.70
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	507.28	80.70
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	1,047.88	94.16
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	1,047.88	94.16
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,367.82	94.16
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	645.70	94.16
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	433.12	60.53
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	601.84	87.43
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	601.84	87.43
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,253.98	100.88
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,253.98	100.88
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,598.70	100.88
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	740.27	100.88
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	527.69	67.25
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	789.90	94.16
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	789.90	94.16
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,490.48	107.60
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,490.48	107.60
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,820.56	107.60
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	931.71	107.60
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	719.13	73.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	628.19	100.88
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	628.19	100.88
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,168.79	114.33
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,168.79	114.33
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,497.75	114.33
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	767.74	114.33
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	557.42	80.70
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	722.75	107.60
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	722.75	107.60
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,374.88	121.05
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,374.88	121.05
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,727.49	121.05
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	861.18	121.05
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	648.60	87.43
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,463.68	141.23
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,463.68	141.23
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,287.22	100.88
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,730.53	154.68
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,554.07	114.33
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,463.68	141.23
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,287.22	100.88
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,730.53	154.68
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,554.07	114.33
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non-Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	592.33	134.51
		For Factory Installed Accessory, Deduct	*-269.01*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	666.54	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	639.64	134.51
		For Factory Installed Accessory, Deduct	*-269.01*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	714.99	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	789.20	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	997.21	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,254.78	242.11
		For Factory Installed Accessory, Deduct	*-484.22*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	745.40	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	819.62	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	896.09	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,145.57	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,402.01	275.74
		For Factory Installed Accessory, Deduct	*-551.47*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,254.47	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,397.14	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,821.16	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,879.30	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	2,143.35	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,726.22	336.27
		For Factory Installed Accessory, Deduct	*-672.52*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,888.14	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,234.66	336.27
		For Factory Installed Accessory, Deduct	*-672.52*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,658.70	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,300.53	470.77
		For Factory Installed Accessory, Deduct	*-941.54*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,526.14	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,469.95	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	24,526.92	807.03
		For Factory Installed Accessory, Deduct	*-1,614.06*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	35,122.54	1,210.55
		For Factory Installed Accessory, Deduct	*-2,421.10*	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	627.25	134.51
		For Factory Installed Accessory, Deduct	*-269.01*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	701.47	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	674.57	134.51
		For Factory Installed Accessory, Deduct	*-269.01*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	751.04	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	825.25	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	1,035.51	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,294.21	242.11
		For Factory Installed Accessory, Deduct	*-484.22*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	782.58	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	859.05	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	933.26	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,183.87	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,439.19	275.74
		For Factory Installed Accessory, Deduct	*-551.47*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,421.19	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,564.99	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,987.89	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	2,207.12	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,470.05	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	3,054.04	336.27
		For Factory Installed Accessory, Deduct	*-672.52*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,913.97	336.27
		For Factory Installed Accessory, Deduct	*-672.52*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	5,338.01	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	10,708.03	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	29,971.53	807.03
		For Factory Installed Accessory, Deduct	*-1,614.06*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	40,582.91	1,210.55
		For Factory Installed Accessory, Deduct	*-2,421.10*	

26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	943.68	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	1,017.89	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,125.90	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,772.68	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,917.60	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,623.95	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,885.75	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,718.03	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	14,239.75	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	34,301.98	807.03
		For Factory Installed Accessory, Deduct	*-1,614.06*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,387.40	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,436.97	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,511.18	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,761.79	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,720.83	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	4,105.80	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	8,130.72	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	14,239.75	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	37,992.55	807.03
		For Factory Installed Accessory, Deduct	*-1,614.06*	
26 29 13 13-0157		**NEMA 7/9, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,762.36	215.21
		For Factory Installed Accessory, Deduct	*-430.41*	
26 29 13 13-0159		**Non-Reversing, Magnetic Starters** *(26 29 13 13-0083)*		
26 29 13 13-0160		**Open Enclosure, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	703.86	134.51
		For Factory Installed Accessory, Deduct	*-269.01*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	730.76	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	785.96	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	869.19	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,395.60	242.11
		For Factory Installed Accessory, Deduct	*-484.22*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	893.97	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	1,048.17	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,095.48	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,356.98	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,542.46	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,383.31	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	5,028.21	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,386.21	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	26,123.24	807.03
		For Factory Installed Accessory, Deduct	*-1,614.06*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	37,636.99	1,210.55
		For Factory Installed Accessory, Deduct	*-2,421.10*	
26 29 13 13-0176		**NEMA 1, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	741.03	134.51
		For Factory Installed Accessory, Deduct	*-269.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	767.93	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	823.13	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	906.36	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	930.02	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	1,014.37	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,133.79	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,524.84	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,710.32	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,711.13	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,707.51	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,627.66	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	

26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	1,015.77	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,099.00	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,122.66	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,207.01	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,326.43	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,877.45	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	2,061.80	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	3,126.83	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	7,086.41	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	16,156.01	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	38,482.60	807.03
		For Factory Installed Accessory, Deduct	*-1,614.06*	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	1,015.77	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	1,099.00	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,122.66	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,207.01	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,326.43	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,877.45	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	2,061.80	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	3,126.83	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	7,086.41	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,879.40	228.66
		For Factory Installed Accessory, Deduct	*-457.32*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,535.05	228.66
		For Factory Installed Accessory, Deduct	*-457.32*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,643.06	242.11
		For Factory Installed Accessory, Deduct	*-484.22*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,637.90	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,799.81	336.27
		For Factory Installed Accessory, Deduct	*-672.52*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	10,830.38	470.77
		For Factory Installed Accessory, Deduct	*-941.54*	

26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,384.16	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,468.51	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,507.94	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,592.29	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,711.71	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,678.42	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	4,345.75	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	8,497.97	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	18,869.87	538.02
		For Factory Installed Accessory, Deduct	*-1,076.04*	

26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,866.15	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	5,298.81	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	10,422.12	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	

26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,786.02	215.21
		For Factory Installed Accessory, Deduct	*-430.41*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,879.40	228.66
		For Factory Installed Accessory, Deduct	*-457.32*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,919.95	228.66
		For Factory Installed Accessory, Deduct	*-457.32*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	3,008.81	242.11
		For Factory Installed Accessory, Deduct	*-484.22*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	3,146.25	242.11
		For Factory Installed Accessory, Deduct	*-484.22*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,619.50	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,321.92	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,392.89	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,541.47	188.30
		For Factory Installed Accessory, Deduct	*-376.62*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,599.91	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,639.34	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,754.10	215.21
		For Factory Installed Accessory, Deduct	*-430.41*	
26 29 13 13-0247	EA	Size 1, 3 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,828.26	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,868.82	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,184.28	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	5,202.82	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,946.55	605.27
		For Factory Installed Accessory, Deduct	*-1,210.55*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	22,240.03	807.03
		For Factory Installed Accessory, Deduct	*-1,614.06*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	71,960.18	1,479.55
		For Factory Installed Accessory, Deduct	*-2,959.12*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,362.61	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,423.31	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,463.87	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,609.06	188.30
		For Factory Installed Accessory, Deduct	*-376.62*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,669.76	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,710.32	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,855.49	215.21
		For Factory Installed Accessory, Deduct	*-430.41*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,929.65	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,970.21	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,447.89	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,659.07	403.52
		For Factory Installed Accessory, Deduct	*-807.03*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,784.70	605.27
		For Factory Installed Accessory, Deduct	*-1,210.55*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,958.16	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,998.71	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,258.60	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,930.06	269.01
		For Factory Installed Accessory, Deduct	*-538.02*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,447.08	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,882.91	215.21
		For Factory Installed Accessory, Deduct	*-430.41*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	182.65	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	309.83	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	182.65	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	309.83	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	309.83	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	154.08	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	137.38	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	182.65	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	154.08	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	205.77	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	229.88	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	395.60	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	420.01	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	502.53	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	876.37	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	876.37	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	53.72	10.09
		For Factory Installed Accessory, Deduct	*-20.18*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	109.12	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	144.11	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	113.28	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	62.97	10.09
		For Factory Installed Accessory, Deduct	*-20.18*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	38.56	10.09
		For Factory Installed Accessory, Deduct	*-20.18*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	200.33	13.45
		For Factory Installed Accessory, Deduct	*-26.90*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	345.80	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	657.39	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	656.27	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	710.21	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	697.95	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	758.65	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	734.00	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	853.01	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	946.52	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,189.51	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	669.92	147.95
		For Factory Installed Accessory, Deduct	*-295.91*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	723.86	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	721.61	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	778.92	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	764.42	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	826.24	174.86
		For Factory Installed Accessory, Deduct	*-349.71*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	802.72	161.41
		For Factory Installed Accessory, Deduct	*-322.81*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	920.61	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	1,010.73	201.76
		For Factory Installed Accessory, Deduct	*-403.52*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,254.85	235.39
		For Factory Installed Accessory, Deduct	*-470.77*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	205.77	16.81
		For Factory Installed Accessory, Deduct	*-33.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0324		**Panel Mounted Miniature Contactor** *(26 29 13 13)*		
26 29 13 13-0325		**Non-Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	198.72	67.25
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	232.44	73.98
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	232.44	73.98
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	258.29	80.70
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	219.00	67.25
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	230.27	67.25
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	251.59	73.98
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	262.86	73.98
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	258.35	73.98
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	262.86	73.98
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	280.82	80.70
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	269.62	73.98
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	292.09	80.70
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	271.87	73.98
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	271.87	73.98
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	303.35	80.70
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	303.35	80.70
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	280.96	67.25
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	303.49	67.25
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	336.08	73.98
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	336.08	73.98
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	358.61	73.98
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	376.58	80.70
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	376.58	80.70
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	322.64	67.25
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	345.17	67.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	375.51	73.98
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	398.04	73.98
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	422.77	80.70
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	445.30	80.70
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	363.12	73.98
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	416.07	73.98
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	470.08	80.70

26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories *(26 29 13 13-0324)*

26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	84.94	33.63
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	93.63	33.63
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	109.39	33.63
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	140.71	33.63

26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole *(26 29 13 13)*

26 29 13 13-0366 NEMA 1 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,819.75	644.68
		For NEMA 4, Add	*812.88*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	13,600.10	859.57
		For NEMA 4, Add	*1,484.78*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	23,714.53	1,020.73
		For NEMA 4, Add	*2,709.95*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	57,594.25	1,249.06
		For NEMA 4, Add	*6,888.39*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	91,814.19	1,598.25
		For NEMA 4, Add	*11,077.05*	

26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,765.58	658.38
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,501.17	860.91
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	23,533.95	1,017.51
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	57,135.24	1,243.54
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	91,076.07	1,598.92

26 29 13 13-0378 Factory Modifications Pilot Devices *(26 29 13 13-0365)*

26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	191.52	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	211.22	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	359.54	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	195.35	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	280.89	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	140.44	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	458.40	

26 29 13 13-0386 Factory Modifications Meters *(26 29 13 13-0365)*

26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,842.64	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,779.73	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	629.19	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	521.35	

26 29 13 13-0391 Factory Modifications Main Circuit Breakers *(26 29 13 13-0365)*

26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,435.31	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,453.89	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,473.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 29 13 13-0395 Factory Modifications Addition *(26 29 13 13-0365)*

Note: For reversing service auto transformer type.

26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	

26 29 13 13-0400 Combination Starters Non-Reversing *(26 29 13 13)*

26 29 13 13-0401 240-600 Volt, 3-Pole *(26 29 13 13-0400)*

26 29 13 13-0402 NEMA 1 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,914.32	308.91
		For Electronic Overloads, Add	*245.58*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,336.78	483.51
		For Electronic Overloads, Add	*259.07*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,278.18	564.09
		For Electronic Overloads, Add	*410.20*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,992.56	698.40
		For Electronic Overloads, Add	*682.77*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,169.82	1,114.75
		For Electronic Overloads, Add	*1,316.96*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,360.49	1,396.79
		For Electronic Overloads, Add	*2,956.86*	

26 29 13 13-0409 NEMA 1 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,425.65	308.91
		For Electronic Overloads, Add	*342.73*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,848.11	483.51
		For Electronic Overloads, Add	*356.23*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,775.31	564.09
		For Electronic Overloads, Add	*504.66*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,262.42	698.40
		For Electronic Overloads, Add	*734.04*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,718.01	1,114.75
		For Electronic Overloads, Add	*1,611.12*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,465.34	1,396.79
		For Electronic Overloads, Add	*3,736.78*	

26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	232.86	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	546.92	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	377.47	

26 29 13 13-0420 NEMA 4 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,485.14	402.92
		For Electronic Overloads, Add	*504.66*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,846.32	564.09
		For Electronic Overloads, Add	*518.15*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,504.67	617.81
		For Electronic Overloads, Add	*809.61*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,750.35	752.12
		For Electronic Overloads, Add	*1,379.03*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,857.01	1,114.75
		For Electronic Overloads, Add	*2,207.53*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	30,319.94	1,396.79
		For Electronic Overloads, Add	*5,229.16*	

26 29 13 13-0427 NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,996.47	402.92
		For Electronic Overloads, Add	*601.81*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,357.65	564.09
		For Electronic Overloads, Add	*615.30*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,001.79	617.81
		For Electronic Overloads, Add	*904.06*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,020.22	752.12
		For Electronic Overloads, Add	*1,430.30*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,405.21	1,114.75
		For Electronic Overloads, Add	*2,501.68*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	28,714.93	1,396.79
		For Electronic Overloads, Add	*4,924.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	232.89	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	546.92	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	377.47	
26 29 13 13-0438		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,978.94	310.92
		For Electronic Overloads, Add	*257.86*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,404.95	486.59
		For Electronic Overloads, Add	*272.03*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,386.12	559.66
		For Electronic Overloads, Add	*430.71*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,172.23	699.47
		For Electronic Overloads, Add	*716.91*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,516.38	1,119.32
		For Electronic Overloads, Add	*1,382.81*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	19,138.60	1,398.94
		For Electronic Overloads, Add	*3,104.70*	
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,589.51	310.92
		For Electronic Overloads, Add	*373.87*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,018.42	486.59
		For Electronic Overloads, Add	*388.59*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,016.58	559.66
		For Electronic Overloads, Add	*550.50*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,613.36	699.47
		For Electronic Overloads, Add	*800.72*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,488.28	1,119.32
		For Electronic Overloads, Add	*1,757.47*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	24,251.87	1,398.94
		For Electronic Overloads, Add	*4,076.22*	
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	230.95	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	542.37	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	374.33	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,548.67	644.68
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,160.81	859.57
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,729.41	1,181.90
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,980.97	1,611.68
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,017.76	2,256.36
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,384.82	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,384.82	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,384.82	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,369.34	402.92
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,762.65	564.09
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,990.64	617.81
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,044.38	752.12
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	11,772.37	1,114.75
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,639.13	402.92
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,050.65	564.09
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,327.78	617.81
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,580.23	752.12
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,684.28	1,114.75
26 29 13 13-0480		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,526.23	414.61
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,930.05	559.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,270.45	621.84
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,508.03	746.21
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	12,743.46	1,119.32
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,823.50	414.61
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,247.37	559.66
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,641.92	621.84
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,996.61	746.21
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,748.25	1,119.32
26 29 13 13-0492		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,524.49	859.57
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,951.57	1,074.46
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	8,541.90	1,396.79
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,549.24	1,826.57
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	24,642.88	2,471.25
26 29 13 13-0498		**Solid State Motor Controllers** *(26 29 13 13)*		
26 29 13 13-0499		**Adjustable Voltage Drives, DC Motors** *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,872.02	241.75
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	2,249.54	241.75
26 29 13 13-0502		**Removal And Reinstallation Of Motor Starters** *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	959.34	
26 29 13 13-0504		**Auxiliary Devices** *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	562.55	134.31
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	562.55	134.31
26 29 13 13-0507	EA	Pilot Light Kit	592.21	134.31

26 29 23 Variable-Frequency Motor Controllers *(26 29)*

26 29 23 00-0001		**208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,278.50	493.22
		For 6-Pulse Drive Package, Deduct	*-710.56*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,560.46	539.07
		For 6-Pulse Drive Package, Deduct	*-818.03*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,967.05	592.74
		For 6-Pulse Drive Package, Deduct	*-979.86*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,113.03	569.75
		For 6-Pulse Drive Package, Deduct	*-1,085.44*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,340.04	621.19
		For 6-Pulse Drive Package, Deduct	*-1,153.71*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,598.65	621.19
		For 6-Pulse Drive Package, Deduct	*-1,295.95*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,299.43	741.70
		For 6-Pulse Drive Package, Deduct	*-1,548.82*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,672.98	741.70
		For 6-Pulse Drive Package, Deduct	*-1,754.27*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,198.98	1,116.77
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,233.44	1,116.77
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	8,857.61	1,483.52
		For 6-Pulse Drive Package, Deduct	*-3,239.87*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,150.68	1,483.52
		For 6-Pulse Drive Package, Deduct	*-3,951.06*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,271.35	1,483.52
		For 6-Pulse Drive Package, Deduct	*-4,567.43*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	14,842.32	1,875.37
		For 6-Pulse Drive Package, Deduct	*-6,100.44*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	17,885.02	2,218.52
		For 6-Pulse Drive Package, Deduct	*-7,396.39*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	20,183.82	2,218.52
		For 6-Pulse Drive Package, Deduct	*-8,660.73*	
26 29 23 00-0018		**460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)* Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,338.00	887.44
		For 6-Pulse Drive Package, Deduct	*-1,959.73*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,510.41	887.44
		For 6-Pulse Drive Package, Deduct	*-2,054.55*	
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,051.36	1,057.39
		For 6-Pulse Drive Package, Deduct	*-2,165.19*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,080.09	1,057.39
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,205.98	1,603.04
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,608.27	1,603.04
		For 6-Pulse Drive Package, Deduct	*-2,971.20*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	10,407.46	2,114.78
		For 6-Pulse Drive Package, Deduct	*-3,397.91*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	11,844.22	2,114.78
		For 6-Pulse Drive Package, Deduct	*-4,188.13*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	13,338.44	2,114.78
		For 6-Pulse Drive Package, Deduct	*-5,009.95*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	17,441.12	2,686.27
		For 6-Pulse Drive Package, Deduct	*-6,637.79*	
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	23,152.42	3,185.59
		For 6-Pulse Drive Package, Deduct	*-9,229.68*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	24,531.70	3,185.59
		For 6-Pulse Drive Package, Deduct	*-9,988.29*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	28,363.24	3,549.73
		For 6-Pulse Drive Package, Deduct	*-11,695.15*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	29,857.46	3,549.73
		For 6-Pulse Drive Package, Deduct	*-12,516.97*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	32,960.84	3,549.73
		For 6-Pulse Drive Package, Deduct	*-14,223.83*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	38,107.79	4,284.10
		For 6-Pulse Drive Package, Deduct	*-16,246.77*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	47,437.12	4,475.30
		For 6-Pulse Drive Package, Deduct	*-21,167.58*	
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	55,602.86	5,135.25
		For 6-Pulse Drive Package, Deduct	*-24,932.79*	
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	63,872.13	5,569.35
		For 6-Pulse Drive Package, Deduct	*-29,003.33*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	73,903.01	6,013.75
		For 6-Pulse Drive Package, Deduct	*-34,031.61*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	79,660.59	6,521.26
		For 6-Pulse Drive Package, Deduct	*-36,639.94*	

26 29 33 Controllers for Fire Pump Drivers *(26 29)*

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,625.77	218.93
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,748.54	243.25
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,043.61	267.58
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,977.63	291.91
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	33,784.51	340.55
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	35,999.50	437.85
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,018.59	486.51
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	44,625.43	554.62
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	53,789.24	598.40
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	63,217.38	681.11
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	75,437.05	729.76
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	85,170.08	778.40

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment *(26)*

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,273.86	127.59
		For >25 To 50, Deduct	*-164.16*	
		For >50 To 100, Deduct	*-221.01*	
		For >100, Deduct	*-328.32*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,383.28	127.59
		For >25 To 50, Deduct	*-172.37*	
		For >50 To 100, Deduct	*-231.95*	
		For >100, Deduct	*-344.73*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,230.93	127.59
		For >25 To 50, Deduct	*-160.94*	
		For >50 To 100, Deduct	*-216.71*	
		For >100, Deduct	*-321.88*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,781.13	127.59
		For >25 To 50, Deduct	*-127.21*	
		For >50 To 100, Deduct	*-171.73*	
		For >100, Deduct	*-254.41*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	2,025.38	127.59
		For >25 To 50, Deduct	*-145.52*	
		For >50 To 100, Deduct	*-196.16*	
		For >100, Deduct	*-291.05*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,064.07	127.59
		For >25 To 50, Deduct	*-148.43*	
		For >50 To 100, Deduct	*-200.03*	
		For >100, Deduct	*-296.85*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,943.15	127.59
		For >25 To 50, Deduct	*-139.36*	
		For >50 To 100, Deduct	*-187.94*	
		For >100, Deduct	*-278.71*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	881.40	127.59
		For >25 To 50, Deduct	*-59.73*	
		For >50 To 100, Deduct	*-81.76*	
		For >100, Deduct	*-119.45*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,086.95	127.59
		For >25 To 50, Deduct	*-75.14*	
		For >50 To 100, Deduct	*-102.32*	
		For >100, Deduct	*-150.28*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,169.18	127.59
		For >25 To 50, Deduct	*-81.31*	
		For >50 To 100, Deduct	*-110.54*	
		For >100, Deduct	*-162.62*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,410.15	134.31
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,134.28	134.31
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,530.39	134.31
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,419.12	134.31
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,327.96	134.31
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,491.82	134.31
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,623.50	268.62
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,973.11	268.62
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	476.98	67.15

26 31 00 00-0026 SMA Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	4,019.35	134.31
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,823.29	134.31
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,572.52	134.31
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,144.49	134.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,951.82	134.31
26 31 00 00-0032		**PVPowered Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,972.53	134.31
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,200.28	134.31
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,744.96	134.31
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,812.29	167.89
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,305.46	201.46
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,374.80	201.46
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,836.26	201.46
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,283.57	1,074.46
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,422.85	1,074.46
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	114,072.94	1,074.46
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	105,755.23	1,074.46
26 31 00 00-0044		**Solectria Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,561.96	268.62
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,561.96	268.62
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,045.92	268.62
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,045.92	268.62
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	51,890.63	805.84
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,470.79	805.84
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,730.32	805.84
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,385.96	805.84
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	60,225.65	805.84
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,536.93	805.84
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	63,451.59	1,074.46
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	60,494.00	1,074.46
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	65,871.43	1,074.46
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	62,376.10	1,074.46
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	694.09	33.58
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	756.37	33.58
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,214.00	33.58
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	410.27	50.36
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	274.85	50.36
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	758.51	50.36
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	496.97	134.31
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	484.43	134.31
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	769.89	201.46
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	774.28	201.46
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,181.09	201.46
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,088.89	134.31
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,302.61	134.31
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,523.52	268.62
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,777.52	268.62
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	973.23	134.31
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	328.05	50.36
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	436.87	50.36
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	509.42	50.36
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	390.93	50.36
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,348.18	67.15
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	301.22	20.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	379.89	26.86
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	411.52	26.86
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	471.97	40.29
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	537.20	40.29
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	637.62	47.00
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	731.24	53.73
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	722.80	53.73
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,323.51	63.80
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,530.27	67.15
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	316.33	33.63
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	434.83	33.63
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	640.39	33.63
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	732.28	33.63
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	734.70	33.63
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,421.50	33.63
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,643.98	33.63
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	357.35	33.58
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,743.13	33.63
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,639.15	33.63
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,183.26	33.63
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	974.11	33.63
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,287.25	33.63
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	753.88	67.15
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,552.59	33.58
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,297.53	33.58
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	240.83	33.58
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	594.47	67.15
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,527.20	33.58
26 31 00 00-0120	EA	RS 485 Module (SMA)	348.62	33.58
26 31 00 00-0121	EA	RS 232 Module (SMA)	357.35	33.58
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	670.47	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	362.05	33.58
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	359.62	33.58
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	677.68	33.58
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	321.68	10.07
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,202.94	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	676.26	33.58
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	681.08	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	221.94	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	403.24	33.58
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	341.33	33.58
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,337.44	33.58
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	870.35	33.58
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,509.81	33.58
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,593.67	33.58
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	697.61	33.58
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	498.05	33.58
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	328.77	33.58
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,396.78	33.58
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	155.79	33.58
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	485.77	33.58
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	540.89	33.58
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	287.70	67.15
26 31 00 00-0145		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	1,032.06	67.15
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,249.21	134.31
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	172.50	10.07
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	259.56	10.07
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	39.78	3.33
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	42.70	3.33
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	44.35	3.33
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	48.92	3.33
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	55.78	3.33
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	88.71	6.64
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	109.99	6.64
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	144.48	9.97
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	50.06	3.33
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	69.49	3.33
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	102.42	6.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	136.70	6.64
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	221.97	13.30
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	231.65	13.30
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	4,128.38	362.62
26 31 00 00-0165		Photovoltaic Mounting Systems *(26 31)*		
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	14.22	3.36
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	41.16	16.78
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	51.93	16.78
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	27.31	6.71
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	13.08	5.04
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	27.81	6.71
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	7.48	2.24
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	7.83	2.24
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	19.46	6.71
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	115.56	33.58
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	127.75	33.58
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	137.57	33.58
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	169.80	50.36
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	206.36	50.36
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	239.54	50.36
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	264.32	67.15
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	351.67	67.15
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	494.65	100.73
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	241.57	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	449.57	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	91.22	33.58
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	92.34	33.58
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	93.36	33.58
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	95.93	33.58
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	84.42	33.58
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	85.71	33.58
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	89.50	33.58
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	88.42	33.58
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	174.54	50.36
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	175.32	50.36
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	177.62	50.36
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	175.21	50.36
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	34.70	6.71
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	22.94	6.71
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	43.44	10.07
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	45.20	10.07
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	12.60	2.24
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	57.33	6.71
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.98	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0748 for fuel reimbursment for commissioning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0001		**Diesel Generator Sets (Cummins)** *(26 32 13 13)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0727 for loadbank rental, 01 22 23 00-0748 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	34,807.81	1,154.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,292.65*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	36,608.48	1,218.94
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,438.12	1,287.45
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,425.41*	
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,233.99	1,420.90
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	40,044.44	1,557.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	46,972.38	1,788.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	50,610.00	2,055.61
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	59,449.00	2,409.03
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,901.92	2,798.51
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	65,393.55	3,317.82
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	72,290.96	3,656.81
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	75,947.17	4,082.36
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	80,703.15	4,471.85
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	86,972.34	4,724.29
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	90,637.33	4,919.03
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	98,609.39	5,185.89
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	100,770.97	5,416.70
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	113,547.80	6,058.63
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	122,222.11	6,635.64
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	137,918.39	7,147.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	145,039.53	7,616.56
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	210,479.27	8,388.32
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	241,000.44	9,224.99
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	251,644.21	9,426.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	306,836.00	10,162.62
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	342,767.45	10,818.98
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	

26 32 13 13-0028 Diesel Particulate Filters *(26 32 13 13)*

26 32 13 13-0029	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	37,367.64
26 32 13 13-0030	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	48,845.38
26 32 13 13-0031	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	59,183.08
26 32 13 13-0032	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	72,597.70
26 32 13 13-0033	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	85,336.05
26 32 13 13-0034	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	106,601.67

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0727 for loadbank rental, 01 22 23 00-0748 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	15,556.64	966.50
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	17,577.97	1,154.02
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	20,278.83	1,283.85
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,995.86	1,420.90
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	25,799.28	1,557.93
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,956.94	1,680.55
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	30,619.48	2,055.61
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	32,869.00	2,300.83
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	43,042.81	2,459.51
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	51,827.47	2,769.66
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	59,385.61	3,317.82
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	70,528.16	3,656.81
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	113,758.77	9,726.84
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	129,098.46	4,392.50
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	138,852.87	4,919.03
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	179,408.39	5,416.70
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	192,610.28	6,058.63
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	270,364.98	7,147.74
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	345,552.83	7,616.56
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	386,575.27	8,027.68
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	440,190.93	8,388.32
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	460,251.58	8,705.67
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	486,826.13	9,304.32
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0025		Small Natural Gas Or Propane Air-Cooled Generator Sets *(26 32 13 19)*		
26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,292.39	620.09
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,665.75	688.98
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,684.84	757.88
26 32 29		**Rotary Converters** *(26 32)*		
26 32 29 00-0001		60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*		
26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,158.30	268.62
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,371.39	268.62
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,385.54	268.62
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,514.36	268.62
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,333.20	335.77
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,853.80	335.77
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,788.88	335.77
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,316.73	443.22
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,135.78	443.22
26 32 29 00-0011		60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*		
26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,760.46	268.62
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,022.10	268.62
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,036.94	268.62
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,481.67	268.62
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,669.66	335.77
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,531.08	335.77
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,208.36	335.77
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,216.23	443.22
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,749.94	443.22
26 32 29 00-0021		460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*		
26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,568.10	5,048.86
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,784.54	5,048.86
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	37,284.80	7,212.65
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	43,511.24	7,212.65
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	49,388.90	7,212.65
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	57,975.77	10,818.98
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	70,256.28	10,818.98
26 32 29 00-0029		4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*		
26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	102,687.94	14,425.31
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	111,892.76	14,425.31
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	134,613.51	18,752.90
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	153,021.18	22,791.98
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	181,284.67	22,791.98
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	257,125.06	34,043.73
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	266,016.37	34,043.73
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	306,325.89	39,669.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,244.36	33.63
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,344.11	33.63
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	374.38	33.63
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	340.60	33.63
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	581.46	33.63
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	674.79	33.63

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,588.31	766.95
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,185.72	766.95
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,607.26	766.95
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,876.32	908.06

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,139.51	132.97
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,359.32	155.12
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,668.58	177.28
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	2,029.85	199.45
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,587.71	221.60
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,122.62	265.93

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,049.14	265.93

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,218.67	354.57
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	6,806.10	398.89
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,123.17	487.53
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	11,622.56	531.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*		
		Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230)	1,359.32	155.12
		Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230)	1,668.58	177.28
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)	2,051.56	199.45
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230)	2,592.94	221.60
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230)	4,138.93	265.93
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230)	5,973.29	354.57
		Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230)	7,316.27	398.89
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)	11,271.78	531.85
		Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)	725.33	40.29
		Note: Rack mount or tower configuration.		
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)	946.06	40.29
		Note: Rack mount or tower configuration.		
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)	921.49	40.29
		Note: Rack mount or tower configuration.		
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)	630.25	40.29
		Note: Rack mount or tower configuration.		
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	978.06	132.97
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,112.36	177.28
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery *(26 33 53 00-0033)*		
		Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	43,195.91	531.85
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	47,851.39	709.14
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	53,511.31	886.42
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	58,066.34	1,063.72
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	69,853.40	1,241.00
26 33 53 00-0040		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	94,837.19	2,115.34
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	103,246.70	2,618.98
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	114,232.49	3,055.48
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	140,919.29	3,458.40
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	146,380.59	3,861.32
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	152,139.82	4,264.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	159,104.39	4,667.16
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	166,068.96	5,070.09
26 33 53 00-0049		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	88,507.16	1,745.99
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	114,835.16	3,068.91
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	156,791.59	3,545.70
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	184,583.27	3,894.90
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	215,790.08	4,297.83
26 33 53 00-0055		Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	657.08	67.15
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,044.34	67.15
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,049.95	134.31
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	6,456.94	537.22
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	657.63	67.15
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	359.61	67.15
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	403.10	67.15
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	446.59	67.15
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	524.86	67.15
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	550.96	67.15
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	685.77	67.15
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	718.39	67.15
26 33 53 00-0068		Other Uninterruptable Power Supply Equipment *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,437.33	122.71
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,750.33	245.42
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	33.94	7.37
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	61.10	9.20
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	114.48	9.20
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	167.60	12.27
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	238.06	12.27
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,408.94	122.71
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,465.13	92.03

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001		Power Factor Correction Capacitors *(26 35 33 16)*		
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	1,058.07	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	1,171.84	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,285.61	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,394.83	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,713.39	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	2,093.39	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	3,233.38	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	3,927.38	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	5,074.19	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	5,770.47	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	10,125.63	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	15,224.85	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	20,301.32	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	942.02	

26 35 43 Static-Frequency Converters *(26 35)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 43 00-0001		Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*		
26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	754.09	134.31
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,308.64	161.17
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,501.03	214.89
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,059.53	268.62
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,834.75	349.20
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,661.13	429.78
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,589.84	510.37
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,594.04	577.52
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,501.00	698.40
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,443.15	785.70
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,385.30	872.99
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,410.94	1,054.31
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	13,527.16	1,269.20
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	17,148.01	1,544.53
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	19,616.27	1,806.43
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	25,251.98	2,014.60
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	38,581.72	2,283.22
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	57,540.16	2,551.83
26 35 53		**Voltage Regulators** *(26 35)*		
26 35 53 00-0001		Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)* Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,750.40	2,135.48
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,861.67	2,686.14
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,884.97	3,196.51
26 36		**Transfer Switches** *(26 30)*		
26 36 13		**Manual Transfer Switches** *(26 36)*		
26 36 13 00-0001		Fused Manual Transfer Switches *(26 36 13)*		
26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,470.40	235.04
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,714.68	291.98
26 36 13 00-0004		Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*		
26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,722.74	344.49
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	4,123.22	413.39
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,679.51	482.29
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	5,812.30	551.18
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	7,196.93	620.09
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	8,091.88	688.98
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	9,000.99	757.88
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	10,570.68	826.78
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	13,983.06	1,033.47
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	15,727.90	1,240.17
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	20,931.90	1,731.04
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23		**Automatic Transfer Switches** *(26 36)*		
26 36 23 00-0001		Automatic Transfer Switch *(26 36 23)*		
26 36 23 00-0002		Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)* Note: Programmable, 120/240 volt single phase, 3 wire.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,355.06	482.29
		For Level 2 Controller, Add	*185.26*	
		For Level 3 Controller, Add	*382.48*	
		For Level 4 Controller, Add	*555.79*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,566.07	620.09
		For Level 2 Controller, Add	*257.76*	
		For Level 3 Controller, Add	*532.14*	
		For Level 4 Controller, Add	*773.27*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,266.03	826.78
		For Level 2 Controller, Add	*434.97*	
		For Level 3 Controller, Add	*898.00*	
		For Level 4 Controller, Add	*1,304.90*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,832.68	1,033.47
		For Level 2 Controller, Add	*756.84*	
		For Level 3 Controller, Add	*1,562.52*	
		For Level 4 Controller, Add	*2,270.53*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,558.96	344.49
		For Level 2 Controller, Add	*377.42*	
		For Level 3 Controller, Add	*779.20*	
		For Level 4 Controller, Add	*1,132.27*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,416.55	413.39
		For Level 2 Controller, Add	*433.21*	
		For Level 3 Controller, Add	*894.36*	
		For Level 4 Controller, Add	*1,299.62*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	6,733.97	447.84
		For Level 2 Controller, Add	*452.47*	
		For Level 3 Controller, Add	*934.13*	
		For Level 4 Controller, Add	*1,357.40*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	7,051.39	482.29
		For Level 2 Controller, Add	*471.73*	
		For Level 3 Controller, Add	*973.89*	
		For Level 4 Controller, Add	*1,415.18*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	8,390.59	551.18
		For Level 2 Controller, Add	*564.84*	
		For Level 3 Controller, Add	*1,166.11*	
		For Level 4 Controller, Add	*1,694.51*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	9,581.70	620.09
		For Level 2 Controller, Add	*646.47*	
		For Level 3 Controller, Add	*1,334.64*	
		For Level 4 Controller, Add	*1,939.41*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	10,573.22	688.98
		For Level 2 Controller, Add	*712.63*	
		For Level 3 Controller, Add	*1,471.24*	
		For Level 4 Controller, Add	*2,137.90*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	11,044.52	757.88
		For Level 2 Controller, Add	*738.48*	
		For Level 3 Controller, Add	*1,524.60*	
		For Level 4 Controller, Add	*2,215.44*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	12,493.17	826.78
		For Level 2 Controller, Add	*840.07*	
		For Level 3 Controller, Add	*1,734.34*	
		For Level 4 Controller, Add	*2,520.21*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	17,130.12	1,033.47
		For Level 2 Controller, Add	*1,167.40*	
		For Level 3 Controller, Add	*2,410.11*	
		For Level 4 Controller, Add	*3,502.19*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	19,203.32	1,240.17
		For Level 2 Controller, Add	*1,296.03*	
		For Level 3 Controller, Add	*2,675.68*	
		For Level 4 Controller, Add	*3,888.09*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	24,994.49	1,731.04
		For Level 2 Controller, Add	*1,668.76*	
		For Level 3 Controller, Add	*3,445.19*	
		For Level 4 Controller, Add	*5,006.29*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	32,483.49	1,875.29
		For Level 2 Controller, Add	*2,226.80*	
		For Level 3 Controller, Add	*4,597.27*	
		For Level 4 Controller, Add	*6,680.40*	
		For NEMA 3R Enclosure, Add	*4,494.50*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*2,106.80*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	34,612.17	2,163.80
		For Level 2 Controller, Add	*2,347.05*	
		For Level 3 Controller, Add	*4,845.53*	
		For Level 4 Controller, Add	*7,041.16*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	39,577.32	2,452.31
		For Level 2 Controller, Add	*2,687.14*	
		For Level 3 Controller, Add	*5,547.64*	
		For Level 4 Controller, Add	*8,061.41*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	47,791.28	3,029.32
		For Level 2 Controller, Add	*3,234.28*	
		For Level 3 Controller, Add	*6,677.22*	
		For Level 4 Controller, Add	*9,702.84*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	83,149.64	3,606.33
		For Level 2 Controller, Add	*5,885.12*	
		For Level 3 Controller, Add	*12,149.92*	
		For Level 4 Controller, Add	*17,655.35*	
		For NEMA 3R Enclosure, Add	*13,539.65*	

26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	27,559.10	2,618.14
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,730.02*	
		For Level 3 Controller, Add	*3,571.65*	
		For Level 4 Controller, Add	*5,190.06*	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	28,764.64	2,755.93
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,802.09*	
		For Level 3 Controller, Add	*3,720.44*	
		For Level 4 Controller, Add	*5,406.27*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	30,152.86	2,893.73
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,888.32*	
		For Level 3 Controller, Add	*3,898.46*	
		For Level 4 Controller, Add	*5,664.96*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	33,701.39	2,962.62
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,152.65*	
		For Level 3 Controller, Add	*4,444.18*	
		For Level 4 Controller, Add	*6,457.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	38,965.55	3,031.53
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,549.94*	
		For Level 3 Controller, Add	*5,264.40*	
		For Level 4 Controller, Add	*7,649.83*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	46,870.26	3,169.32
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
		For Level 2 Controller, Add	*3,141.20*	
		For Level 3 Controller, Add	*6,485.06*	
		For Level 4 Controller, Add	*9,423.60*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	51,703.54	3,307.12
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*3,494.42*	
		For Level 3 Controller, Add	*7,214.29*	
		For Level 4 Controller, Add	*10,483.26*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	65,018.84	3,858.31
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*4,440.92*	
		For Level 3 Controller, Add	*9,168.36*	
		For Level 4 Controller, Add	*13,322.77*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	85,367.52	4,327.59
		For NEMA 3R Enclosure, Add	*11,236.23*	
		For NEMA 4 Enclosure, Add	*14,045.28*	
		For NEMA 12 Enclosure, Add	*11,236.23*	
		For Level 2 Controller, Add	*5,945.21*	
		For Level 3 Controller, Add	*12,273.97*	
		For Level 4 Controller, Add	*17,835.62*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	111,560.02	4,616.10
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*7,930.41*	
		For Level 3 Controller, Add	*16,372.45*	
		For Level 4 Controller, Add	*23,791.22*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	126,707.04	5,048.86
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*9,037.22*	
		For Level 3 Controller, Add	*18,657.49*	
		For Level 4 Controller, Add	*27,111.67*	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	203,064.21	5,770.12
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*14,843.11*	
		For Level 3 Controller, Add	*30,643.83*	
		For Level 4 Controller, Add	*44,529.32*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	219,138.64	6,491.39
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*15,977.08*	
		For Level 3 Controller, Add	*32,984.94*	
		For Level 4 Controller, Add	*47,931.24*	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	9,102.62	344.49
		For Level 2 Controller, Add	*652.06*	
		For Level 3 Controller, Add	*1,346.18*	
		For Level 4 Controller, Add	*1,956.17*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	9,837.90	413.39
		For Level 2 Controller, Add	*698.36*	
		For Level 3 Controller, Add	*1,441.78*	
		For Level 4 Controller, Add	*2,095.09*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	10,204.90	447.84
		For Level 2 Controller, Add	*721.46*	
		For Level 3 Controller, Add	*1,489.48*	
		For Level 4 Controller, Add	*2,164.39*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	10,571.89	482.29
		For Level 2 Controller, Add	*744.57*	
		For Level 3 Controller, Add	*1,537.17*	
		For Level 4 Controller, Add	*2,233.70*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	12,700.42	551.18
		For Level 2 Controller, Add	*898.85*	
		For Level 3 Controller, Add	*1,855.69*	
		For Level 4 Controller, Add	*2,696.54*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	16,551.85	620.09
		For Level 2 Controller, Add	*1,186.66*	
		For Level 3 Controller, Add	*2,449.87*	
		For Level 4 Controller, Add	*3,559.97*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	17,618.06	688.98
		For Level 2 Controller, Add	*1,258.61*	
		For Level 3 Controller, Add	*2,598.41*	
		For Level 4 Controller, Add	*3,775.82*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	18,316.00	757.88
		For Level 2 Controller, Add	*1,302.02*	
		For Level 3 Controller, Add	*2,688.04*	
		For Level 4 Controller, Add	*3,906.06*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	20,731.68	826.78
		For Level 2 Controller, Add	*1,478.55*	
		For Level 3 Controller, Add	*3,052.50*	
		For Level 4 Controller, Add	*4,435.66*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	25,151.02	1,033.47
		For Level 2 Controller, Add	*1,789.02*	
		For Level 3 Controller, Add	*3,693.45*	
		For Level 4 Controller, Add	*5,367.05*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	26,177.33	1,240.17
		For Level 2 Controller, Add	*1,836.52*	
		For Level 3 Controller, Add	*3,791.52*	
		For Level 4 Controller, Add	*5,509.55*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	31,020.79	1,731.04
		For Level 2 Controller, Add	*2,135.80*	
		For Level 3 Controller, Add	*4,409.40*	
		For Level 4 Controller, Add	*6,407.40*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,668.61
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	969.13

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			26 40 Electrical And Cathodic Protection *(26)*		
			26 43 Surge Protective Devices *(26 40)*		
			26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*		
	26 43 13 00-0001		25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
			Note: Liebert LPL		
	26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	272.58	33.58
	26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	293.42	33.58
	26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	306.85	40.29
	26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	253.20	26.86
	26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	306.85	40.29
	26 43 13 00-0007		50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
			Note: Liebert LPL		
	26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	375.29	33.58
	26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	400.63	40.29
	26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	387.20	33.58
	26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	400.63	40.29
	26 43 13 00-0012		100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
			Note: Liebert LPL		
	26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	452.70	33.58
	26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	478.04	40.29
	26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	421.41	26.86
	26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	478.04	40.29
	26 43 13 00-0017		100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
			Note: Liebert LPM		
	26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	533.08	33.58
	26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	601.59	40.29
	26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	503.29	26.86
	26 43 13 00-0021		160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
			Note: Liebert LPM		
	26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	936.52	40.29
	26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	923.09	33.58
	26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	936.52	40.29
	26 43 13 00-0025		250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*		
			Note: Liebert Interceptor Hybrid.		
	26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,189.46	67.15
	26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,015.86	67.15
	26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression *(26 43 13)*		
			Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
	26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
			Note: Square D. EMA series.		
	26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,373.86	174.60
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
	26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,825.93	201.46
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
	26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,038.91	235.04
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
	26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,355.34	268.62
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
	26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,837.82	369.35
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
	26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,562.42	174.60
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
	26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,033.07	201.46
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
	26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,358.92	235.04
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,770.96	268.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	14,479.17	369.35
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,562.42	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,033.07	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,358.86	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,770.96	268.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	14,479.17	369.35
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,751.01	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,242.87	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,681.58	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,189.32	268.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,123.13	369.35
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,970.10	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,460.70	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,018.85	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,627.50	268.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	14,886.07	369.35
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,417.86	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,127.56	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,037.73	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,525.42	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,286.90	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,246.20	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,525.42	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,286.90	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,246.20	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,662.19	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,458.19	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,513.09	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,805.60	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,640.10	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,793.26	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,628.66	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,080.73	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,293.71	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,817.22	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,287.87	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,613.72	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,817.22	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,287.87	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,613.66	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,005.81	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,497.68	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,936.38	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,224.90	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,715.50	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,273.65	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,672.67	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,382.36	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,292.53	235.04
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,780.22	174.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,541.70	201.46
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0093		EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,501.00	235.04
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0094		EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,780.22	174.60
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0095		EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,541.70	201.46
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0096		EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,501.00	235.04
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0097		EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,916.99	174.60
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0098		EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,712.99	201.46
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0099		EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,767.89	235.04
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0100		EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,060.40	174.60
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0101		EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,894.90	201.46
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0102		EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,048.06	235.04
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	

26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

26 43 23 00-0003		EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,203.59	294.24
26 43 23 00-0004		EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,299.27	294.24
26 43 23 00-0005		EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,299.27	294.24
26 43 23 00-0006		EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,476.97	294.24
26 43 23 00-0007		EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,476.97	294.24
26 43 23 00-0008		EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,624.60	294.24
26 43 23 00-0009		EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,624.60	294.24
26 43 23 00-0010		EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,209.13	367.80
26 43 23 00-0011		EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,285.68	367.80
26 43 23 00-0012		EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,519.79	441.36
26 43 23 00-0013		EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,716.63	441.36
26 43 23 00-0014		EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,211.45	441.36

26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

26 43 23 00-0016		EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,203.59	294.24
26 43 23 00-0017		EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,299.27	294.24
26 43 23 00-0018		EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,299.27	294.24
26 43 23 00-0019		EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,476.97	294.24
26 43 23 00-0020		EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,476.97	294.24
26 43 23 00-0021		EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,624.60	294.24
26 43 23 00-0022		EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,624.60	294.24
26 43 23 00-0023		EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,209.13	367.80
26 43 23 00-0024		EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,285.68	367.80
26 43 23 00-0025		EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,519.79	441.36
26 43 23 00-0026		EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,716.63	441.36
26 43 23 00-0027		EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,211.45	441.36

26 43 23 00-0028 IMX Accessories *(26 43 23 00-0001)*

26 43 23 00-0029		EA	1 Crossarm Bracket Reversible 3-27 KV IMX	1,006.76	294.24
26 43 23 00-0030		EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	995.82	294.24
26 43 23 00-0031		EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	913.91	294.24

26 43 23 00-0032 Lightning Arrestor And Cutouts *(26 43 23 00-0001)*

26 43 23 00-0033		EA	3 KV La Distribution Class, Lightning Arrestor	700.57	294.24
26 43 23 00-0034		EA	3 KV La Interior Class, Lightning Arrestor	1,276.42	294.24
26 43 23 00-0035		EA	3 KV La Station Class, Lightning Arrestor	1,203.59	294.24
26 43 23 00-0036		EA	9 KV La Distribution Class, Lightning Arrestor	760.71	294.24
26 43 23 00-0037		EA	9 KV La Interior Class, Lightning Arrestor	1,435.86	294.24
26 43 23 00-0038		EA	9 KV La Station Class, Lightning Arrestor	1,476.97	294.24
26 43 23 00-0039		EA	5 KV Enclosed Fused Cutout	854.21	294.24
26 43 23 00-0040		EA	15 KV Open Fused Cutout	935.17	367.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	729.07	294.24
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,521.08	294.24

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	91.70	38.42
		For ICAT Housing, Add	*4.38*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	91.70	38.42
		For ICAT Housing, Add	*4.38*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	97.30	40.29
		For ICAT Housing, Add	*4.75*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	103.11	42.03
		For ICAT Housing, Add	*5.16*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	108.93	43.79
		For ICAT Housing, Add	*5.56*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	111.15	46.47
		For ICAT Housing, Add	*5.33*	

26 51 13 00-0009 Recessed Fixture Trim *(26 51 13 00-0001)*

26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	70.21	18.81
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	77.90	18.81
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	91.23	18.81
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	98.29	18.81
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	78.01	18.81
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	73.88	18.81
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	78.62	18.81

26 51 13 00-0017 Track Lighting *(26 51 13)*

26 51 13 00-0018 Incandescent Track Lighting Fixtures *(26 51 13 00-0017)*

See CSI section 26 51 19 00-0566 for track lighting tracks.

26 51 13 00-0019	EA	Incandescent Track Lighting Fixture, 120 Volt	90.67	22.42
26 51 13 00-0020	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	65.49	22.42
26 51 13 00-0021	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	90.13	22.42
26 51 13 00-0022	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	92.58	22.42
26 51 13 00-0023	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	76.64	22.42
26 51 13 00-0024	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	65.49	22.42
26 51 13 00-0025	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	75.47	22.42
26 51 13 00-0026	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	95.02	22.42

26 51 13 00-0027 Wet Location, Dust Resistant, Vapor Tight Fixtures *(26 51 13)*

26 51 13 00-0028 Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0027)*

26 51 13 00-0029	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	140.17	53.73
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0030	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	158.98	53.73
		For Wall Mounted, Add	*5.10*	

26 51 16 Fluorescent Interior Lighting *(26 51)*

26 51 16 00-0001 Fluorescent Fixtures *(26 51 16)*

26 51 16 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*

26 51 16 00-0003 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*

26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	199.45	38.41
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	224.02	38.41

26 51 16 00-0006 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*

26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	225.25	40.00
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	252.18	40.00

26 51 16 00-0009 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*

26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	268.83	44.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	318.89	44.91
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	373.97	44.91
26 51 16 00-0013		**2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	219.21	49.08
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	253.39	49.08
26 51 16 00-0016		**2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	343.98	57.18
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	370.24	57.18
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	420.22	57.18
26 51 16 00-0020		**Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0001)* Note: Includes prismatic lens.		
26 51 16 00-0021		**1' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	267.32	44.54
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	434.33	44.54
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	495.40	44.54
26 51 16 00-0025		**2' x 2', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	417.77	49.08
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	456.28	49.08
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	484.06	49.08
26 51 16 00-0029		**2' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	423.89	57.18
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	464.97	57.18
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	487.59	57.18
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	522.02	57.18
26 51 16 00-0034		**4' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	840.53	73.63
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	854.37	73.63
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	770.64	73.63
26 51 16 00-0038		**Recessed Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0039		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0040		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	419.04	38.41
		For Drywall Or Plaster Ceilings, Add	*25.95*	
26 51 16 00-0042		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	556.24	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,048.12	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0045		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	562.44	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	649.19	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	655.09	49.08
		For Drywall Or Plaster Ceilings, Add	*33.14*	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	707.05	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0050		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	535.75	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	767.39	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	774.31	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	865.94	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	735.83	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,026.09	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,042.49	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	

26 51 16 00-0058 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

26 51 16 00-0059 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	499.58	38.41
		For Drywall Or Plaster Ceilings, Add	*25.95*	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	505.47	38.41
		For Drywall Or Plaster Ceilings, Add	*25.95*	
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	597.79	38.41
		For Drywall Or Plaster Ceilings, Add	*25.95*	

26 51 16 00-0063 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	569.07	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	575.99	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	653.91	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	

26 51 16 00-0067 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	581.21	49.08
		For Drywall Or Plaster Ceilings, Add	*33.14*	
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	587.10	49.08
		For Drywall Or Plaster Ceilings, Add	*33.14*	
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	678.00	49.08
		For Drywall Or Plaster Ceilings, Add	*33.14*	

26 51 16 00-0071 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	535.75	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	633.77	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	726.77	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	827.04	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	

26 51 16 00-0076 Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

26 51 16 00-0077 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,111.12	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,118.04	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,325.02	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,341.42	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	

26 51 16 00-0082 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	867.16	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	971.28	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,195.93	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	

26 51 16 00-0086 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	972.23	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,212.52	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,294.59	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,422.71	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	

26 51 16 00-0091 Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

26 51 16 00-0092 1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	859.31	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,152.95	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0095		2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	853.72	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	985.02	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0098		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0099	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	947.13	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0100	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	949.32	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0101		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0102		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0103	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	791.85	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0104		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	754.58	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0106		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	916.70	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	639.06	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,055.52	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0110		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0111		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	751.96	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
26 51 16 00-0113		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	753.63	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
26 51 16 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	939.09	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	953.78	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	977.21	57.18
		For Drywall Or Plaster Ceilings, Add	*38.66*	
26 51 16 00-0119		Striplight Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	304.24	36.81
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	380.44	36.81
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	370.42	40.86
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	376.45	44.91
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	461.20	53.19
26 51 16 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	375.19	40.86
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	383.56	44.91
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	389.51	49.08
26 51 16 00-0130		**3 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	566.91	40.86
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	541.83	44.91
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	547.70	49.08
26 51 16 00-0134		**Display Case Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	200.19	40.29
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	274.38	40.29
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	296.13	47.00
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	306.67	47.00
26 51 16 00-0139		**Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0140		**1 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	453.91	36.81
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	475.63	44.91
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	898.76	57.18
26 51 16 00-0144		**2 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	465.94	40.86
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	488.70	49.08
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	912.60	57.18
26 51 16 00-0148		**3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	484.80	40.86
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	505.34	49.08
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	779.51	57.18
26 51 16 00-0152		**4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	710.62	49.08
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,052.64	57.18
26 51 16 00-0155		**Flanged Fluorescent Fixture** *(26 51 16 00-0001)* Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	655.37	73.63
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	791.93	73.63
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	798.85	73.63
26 51 16 00-0159		**Undercabinet Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	235.00	33.13
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	272.16	40.49
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	267.23	40.49
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	326.53	44.17
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	379.47	51.54
26 51 16 00-0165		**Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0001)* Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166		**2' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0165)*		
26 51 16 00-0167	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	267.33	36.81
26 51 16 00-0168	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	298.02	36.81
26 51 16 00-0169		**3' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0165)*		
26 51 16 00-0170	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	305.02	38.66
26 51 16 00-0171	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	334.33	38.66
26 51 16 00-0172		**4' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0165)*		
26 51 16 00-0173	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	300.77	40.49
26 51 16 00-0174	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	331.13	40.49
26 51 16 00-0175		**Wall Bracket, Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0176		**Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0175)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	259.70	61.78
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	264.73	61.78
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	337.13	61.78
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	344.14	61.78
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0184	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	349.13	61.78
26 51 16 00-0185	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	354.15	61.78
26 51 16 00-0186		Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0175)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0188	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	696.15	61.78
26 51 16 00-0189	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	701.17	61.78
26 51 16 00-0190		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0191	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	545.30	61.78
26 51 16 00-0192	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	552.31	61.78
26 51 16 00-0193		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0194	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	630.78	61.78
26 51 16 00-0195	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	635.80	61.78
26 51 16 00-0196		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0175)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0198	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	248.59	61.78
26 51 16 00-0199	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	253.62	61.78
26 51 16 00-0200		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0201	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	250.58	61.78
26 51 16 00-0202	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	257.60	61.78
26 51 16 00-0203		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0204	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	240.08	61.78
26 51 16 00-0205	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	245.10	61.78
26 51 16 00-0206		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	298.94	44.91
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	305.08	49.08
26 51 16 00-0209		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0210		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0211		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0210)*		
26 51 16 00-0212	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	241.69	53.73
26 51 16 00-0213	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	296.79	53.73
26 51 16 00-0214		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0215		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 16 00-0214)*		
26 51 16 00-0216	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	192.14	53.73
26 51 16 00-0217	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	212.04	53.73
26 51 16 00-0218		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 16 00-0214)*		
26 51 16 00-0219	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	314.72	53.73
26 51 16 00-0220	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	466.41	53.73
26 51 16 00-0221	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	571.51	53.73
26 51 16 00-0222	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	363.86	53.73
26 51 16 00-0223	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	469.52	53.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0224	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	571.51	53.73
26 51 16 00-0225		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0226		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0225)*		
26 51 16 00-0227	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	318.85	53.73
26 51 16 00-0228	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	430.33	53.73
26 51 16 00-0229	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	524.75	53.73
26 51 16 00-0230	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	248.65	53.73
26 51 16 00-0231	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	306.51	53.73
26 51 16 00-0232	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	416.15	53.73
26 51 16 00-0233		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 16 00-0209)*		
26 51 16 00-0234		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 16 00-0233)*		
26 51 16 00-0235	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	536.78	44.14
26 51 16 00-0236		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 16 00-0233)*		
26 51 16 00-0237	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	620.66	44.14
26 51 16 00-0238	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	891.28	44.14
26 51 16 00-0239		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0240	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	317.73	44.14
26 51 16 00-0241	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	337.99	44.14
26 51 16 00-0242	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	404.74	44.14
26 51 16 00-0243	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	420.40	44.14
26 51 16 00-0244	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	503.19	44.14
26 51 16 00-0245	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	600.77	44.14
26 51 16 00-0246		Finelite Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0247		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) *(26 51 16 00-0246)*		
26 51 16 00-0248	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	538.37	62.58
26 51 16 00-0249	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	536.13	62.58
26 51 16 00-0250	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	579.67	62.58
26 51 16 00-0251	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	648.90	62.58
26 51 16 00-0252	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	711.42	62.58
26 51 16 00-0253	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	874.64	62.58
26 51 16 00-0254	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	767.69	65.27
26 51 16 00-0255	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	790.68	65.27
26 51 16 00-0256	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	877.76	65.27
26 51 16 00-0257	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	842.26	65.27
26 51 16 00-0258	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,058.85	65.27
26 51 16 00-0259	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,247.97	65.27
26 51 16 00-0260	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,015.32	67.96
26 51 16 00-0261	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,054.39	67.96
26 51 16 00-0262	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,166.69	67.96
26 51 16 00-0263	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,172.96	67.96
26 51 16 00-0264	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,452.07	67.96
26 51 16 00-0265	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,740.32	67.96
26 51 16 00-0266		Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 16 00-0246)*		
26 51 16 00-0267	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	539.27	62.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0268	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	587.39	62.58
26 51 16 00-0269	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	587.32	62.58
26 51 16 00-0270	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	792.53	65.27
26 51 16 00-0271	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	848.16	65.27
26 51 16 00-0272	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	848.01	65.27
26 51 16 00-0273	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,045.79	67.96
26 51 16 00-0274	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,190.16	67.96
26 51 16 00-0275	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,189.94	67.96
26 51 16 00-0276		**Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8)** *(26 51 16 00-0246)*		
26 51 16 00-0277	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	411.80	62.58
26 51 16 00-0278	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	434.28	62.58
26 51 16 00-0279	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	513.85	62.58
26 51 16 00-0280	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	538.15	65.27
26 51 16 00-0281	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	635.01	65.27
26 51 16 00-0282	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	750.04	65.27
26 51 16 00-0283	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	742.35	67.96
26 51 16 00-0284	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	908.40	67.96
26 51 16 00-0285	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	1,084.82	67.96
26 51 16 00-0286		**Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0287	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	145.59	38.42
		For ICAT Housing, Add	*11.33*	
26 51 16 00-0288	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	150.38	38.42
		For ICAT Housing, Add	*11.95*	
26 51 16 00-0289	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	156.69	40.16
		For ICAT Housing, Add	*12.42*	
26 51 16 00-0290	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	164.63	41.63
		For ICAT Housing, Add	*13.09*	
26 51 16 00-0291	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	171.60	43.79
		For ICAT Housing, Add	*13.65*	
26 51 16 00-0292	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	177.81	46.47
		For ICAT Housing, Add	*13.93*	
26 51 16 00-0293		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0294	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	166.17	38.42
		For ICAT Housing, Add	*13.98*	
26 51 16 00-0295	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	170.88	38.42
		For ICAT Housing, Add	*14.59*	
26 51 16 00-0296	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	177.35	40.29
		For ICAT Housing, Add	*15.08*	
26 51 16 00-0297	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	182.59	42.03
		For ICAT Housing, Add	*15.41*	
26 51 16 00-0298	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	188.59	43.79
		For ICAT Housing, Add	*15.84*	
26 51 16 00-0299	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	194.43	46.47
		For ICAT Housing, Add	*16.07*	
26 51 16 00-0300		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0301	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	318.66	22.42
26 51 16 00-0302	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	328.44	22.42
26 51 16 00-0303	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	334.54	22.42
26 51 16 00-0304	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	216.84	22.42
26 51 16 00-0305	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	359.42	22.42
26 51 16 00-0306		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0307	EA	Compact Fluorescent Track Lighting Fixture	106.19	22.42
26 51 16 00-0308		**Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 16)*		
26 51 16 00-0309	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	149.88	53.73
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0310	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	153.57	53.73
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0311	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	162.72	53.73
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0312		**Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0313		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0312)*		
26 51 16 00-0314		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)** *(26 51 16 00-0313)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0315	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	330.82	57.18
		For T5 Fixture Instead Of T8, Add	*28.04*	
26 51 16 00-0316	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	346.80	57.18
		For T5 Fixture Instead Of T8, Add	*29.87*	
26 51 16 00-0317	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	542.57	57.18
		For T5 Fixture Instead Of T8, Add	*52.29*	
26 51 16 00-0318	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	468.00	57.18
26 51 16 00-0319	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	752.66	57.18
26 51 16 00-0320		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)** *(26 51 16 00-0313)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0321	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	383.04	57.18
26 51 16 00-0322	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	387.90	57.18
26 51 16 00-0323	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	564.54	57.18
26 51 16 00-0324	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	466.85	57.18
26 51 16 00-0325	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	487.93	57.18
26 51 16 00-0326		**8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0312)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0327		**8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW)** *(26 51 16 00-0326)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0328	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	623.74	77.68
		For T5 Fixture Instead Of T8, Add	*58.07*	
26 51 16 00-0329	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	648.94	77.68
		For T5 Fixture Instead Of T8, Add	*60.95*	
26 51 16 00-0330		**High Bay Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0331		**(T8) Fluorescent, High Bay Fixtures** *(26 51 16 00-0330)*		
26 51 16 00-0332		**(T8) Fluorescent, High Bay Fixtures (Lithonia)** *(26 51 16 00-0331)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0333	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	537.16	125.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0334	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	563.05	138.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0335	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	638.23	158.29
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0336	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	764.80	166.76
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0337	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	832.00	174.50
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0338	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	478.29	158.29
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0339	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	504.40	166.76
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0340	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	575.91	174.50
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 16 00-0341 (T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0330)*

26 51 16 00-0342 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0341)*

Note: For 8' fixture, use two (2) 4' fixtures.

26 51 16 00-0343	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	544.21	125.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0344	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	570.77	138.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0345	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	650.50	158.29
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0346	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	788.45	166.76
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0347	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	506.05	158.29
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0348	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	558.67	166.76
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0349	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	651.06	174.50
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 19 LED Interior Lighting *(26 51)*

26 51 19 00-0001 LED Fixtures *(26 51 19)*

26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	145.96	33.13
		For >50 To 100, Deduct	*-5.03*	
		For >100 To 250, Deduct	*-8.68*	
		For >250 To 500, Deduct	*-14.60*	
		For >500, Deduct	*-20.51*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	180.56	40.49
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 250, Deduct	*-10.72*	
		For >250 To 500, Deduct	*-18.06*	
		For >500, Deduct	*-25.40*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	181.65	40.49
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.77*	
		For >250 To 500, Deduct	*-18.17*	
		For >500, Deduct	*-25.56*	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	171.87	33.14
		For >50 To 100, Deduct	*-5.68*	
		For >100 To 250, Deduct	*-9.97*	
		For >250 To 500, Deduct	*-17.19*	
		For >500, Deduct	*-24.40*	

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0008 Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*

Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI

26 51 19 00-0009	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	224.91	36.81
26 51 19 00-0010	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	230.85	36.81
26 51 19 00-0011	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	266.91	44.91
26 51 19 00-0012	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	272.86	44.91
26 51 19 00-0013	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	278.81	44.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0014	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	284.75	44.91
26 51 19 00-0015	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	290.71	44.91
26 51 19 00-0016	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	371.37	53.13
26 51 19 00-0017	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	383.26	53.13
26 51 19 00-0018	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	396.64	53.13
26 51 19 00-0019	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	408.54	53.13
26 51 19 00-0020	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	421.92	53.13
26 51 19 00-0021	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	433.82	53.13

26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

26 51 19 00-0023	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	231.46	36.81
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 250, Deduct	*-12.95*	
		For >250 To 500, Deduct	*-23.15*	
		For >500, Deduct	*-33.34*	
26 51 19 00-0024	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	243.73	44.91
		For >50 To 100, Deduct	*-7.78*	
		For >100 To 250, Deduct	*-13.87*	
		For >250 To 500, Deduct	*-24.37*	
		For >500, Deduct	*-34.87*	
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	249.45	36.81
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-13.85*	
		For >250 To 500, Deduct	*-24.95*	
		For >500, Deduct	*-36.04*	
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	261.72	44.91
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 250, Deduct	*-14.77*	
		For >250 To 500, Deduct	*-26.17*	
		For >500, Deduct	*-37.57*	
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	324.73	44.91
		For >50 To 100, Deduct	*-9.81*	
		For >100 To 250, Deduct	*-17.92*	
		For >250 To 500, Deduct	*-32.47*	
		For >500, Deduct	*-47.02*	

26 51 19 00-0028 Striplight LED Fixtures (Mobern) *(26 51 19 00-0007)*

26 51 19 00-0029	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	230.77	36.81
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.92*	
		For >250 To 500, Deduct	*-23.08*	
		For >500, Deduct	*-33.24*	

26 51 19 00-0030 Striplight LED Fixtures (Eaton) *(26 51 19 00-0007)*

26 51 19 00-0031	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	293.34	44.91
		For >50 To 100, Deduct	*-9.02*	
		For >100 To 250, Deduct	*-16.35*	
		For >250 To 500, Deduct	*-29.33*	
		For >500, Deduct	*-42.31*	
26 51 19 00-0032	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	276.87	44.91
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-15.53*	
		For >250 To 500, Deduct	*-27.69*	
		For >500, Deduct	*-39.84*	
26 51 19 00-0033	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	293.34	44.91
		For >50 To 100, Deduct	*-9.02*	
		For >100 To 250, Deduct	*-16.35*	
		For >250 To 500, Deduct	*-29.33*	
		For >500, Deduct	*-42.31*	

26 51 19 00-0034 Lay-In/Troffer LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0035 Prismatic Lensed, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0036 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0035)*

26 51 19 00-0037	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	616.40	44.54
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*47.69*	
		For >50 To 100, Deduct	*-17.10*	
		For >100 To 250, Deduct	*-32.51*	
		For >250 To 500, Deduct	*-61.64*	
		For >500, Deduct	*-90.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0038	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	342.89	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
		For >50 To 100, Deduct	*-10.41*	
		For >100 To 250, Deduct	*-18.99*	
		For >250 To 500, Deduct	*-34.29*	
		For >500, Deduct	*-49.59*	
26 51 19 00-0039	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	623.00	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*52.63*	
		For >50 To 100, Deduct	*-17.72*	
		For >100 To 250, Deduct	*-33.30*	
		For >250 To 500, Deduct	*-62.30*	
		For >500, Deduct	*-91.30*	
26 51 19 00-0040		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)** *(26 51 19 00-0035)*		
26 51 19 00-0041	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	887.24	44.54
		For >50 To 100, Deduct	*-23.87*	
		For >100 To 250, Deduct	*-46.05*	
		For >250 To 500, Deduct	*-88.72*	
		For >500, Deduct	*-131.40*	
26 51 19 00-0042	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	624.99	49.08
		For >50 To 100, Deduct	*-17.47*	
		For >100 To 250, Deduct	*-33.09*	
		For >250 To 500, Deduct	*-62.50*	
		For >500, Deduct	*-91.91*	
26 51 19 00-0043	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	813.86	57.18
		For >50 To 100, Deduct	*-22.49*	
		For >100 To 250, Deduct	*-42.84*	
		For >250 To 500, Deduct	*-81.39*	
		For >500, Deduct	*-119.93*	
26 51 19 00-0044		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)** *(26 51 19 00-0035)*		
26 51 19 00-0045	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	412.61	49.08
		For >50 To 100, Deduct	*-12.16*	
		For >100 To 250, Deduct	*-22.47*	
		For >250 To 500, Deduct	*-41.26*	
		For >500, Deduct	*-60.05*	
26 51 19 00-0046	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	456.34	49.08
		For >50 To 100, Deduct	*-13.25*	
		For >100 To 250, Deduct	*-24.66*	
		For >250 To 500, Deduct	*-45.63*	
		For >500, Deduct	*-66.61*	
26 51 19 00-0047	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	388.55	49.08
		For >50 To 100, Deduct	*-11.55*	
		For >100 To 250, Deduct	*-21.27*	
		For >250 To 500, Deduct	*-38.86*	
		For >500, Deduct	*-56.44*	
26 51 19 00-0048	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	388.55	49.08
		For >50 To 100, Deduct	*-11.55*	
		For >100 To 250, Deduct	*-21.27*	
		For >250 To 500, Deduct	*-38.86*	
		For >500, Deduct	*-56.44*	
26 51 19 00-0049	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	416.98	49.08
		For >50 To 100, Deduct	*-12.27*	
		For >100 To 250, Deduct	*-22.69*	
		For >250 To 500, Deduct	*-41.70*	
		For >500, Deduct	*-60.71*	
26 51 19 00-0050		**Volumetric, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0034)*		
26 51 19 00-0051		**Volumetric, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0050)*		
26 51 19 00-0052	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	517.55	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
		For >50 To 100, Deduct	*-14.63*	
		For >100 To 250, Deduct	*-27.56*	
		For >250 To 500, Deduct	*-51.76*	
		For >500, Deduct	*-75.95*	
26 51 19 00-0053	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	697.78	44.54
		For Drywall Or Plaster Ceilings, Add	*30.37*	
		For >50 To 100, Deduct	*-19.13*	
		For >100 To 250, Deduct	*-36.58*	
		For >250 To 500, Deduct	*-69.78*	
		For >500, Deduct	*-102.98*	
26 51 19 00-0054	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	543.89	49.08
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.60*	
		For >50 To 100, Deduct	*-15.44*	
		For >100 To 250, Deduct	*-29.04*	
		For >250 To 500, Deduct	*-54.39*	
		For >500, Deduct	*-79.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0055	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	623.89	49.08
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.60*	
		For >50 To 100, Deduct	*-17.44*	
		For >100 To 250, Deduct	*-33.04*	
		For >250 To 500, Deduct	*-62.39*	
		For >500, Deduct	*-91.74*	
26 51 19 00-0056	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	687.90	49.08
		For >50 To 100, Deduct	*-19.04*	
		For >100 To 250, Deduct	*-36.24*	
		For >250 To 500, Deduct	*-68.79*	
		For >500, Deduct	*-101.34*	
26 51 19 00-0057	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	700.17	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*56.48*	
		For >50 To 100, Deduct	*-19.65*	
		For >100 To 250, Deduct	*-37.16*	
		For >250 To 500, Deduct	*-70.02*	
		For >500, Deduct	*-102.88*	
26 51 19 00-0058	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	764.17	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*59.68*	
		For >50 To 100, Deduct	*-21.25*	
		For >100 To 250, Deduct	*-40.36*	
		For >250 To 500, Deduct	*-76.42*	
		For >500, Deduct	*-112.48*	
26 51 19 00-0059	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	828.18	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*62.88*	
		For >50 To 100, Deduct	*-22.85*	
		For >100 To 250, Deduct	*-43.56*	
		For >250 To 500, Deduct	*-82.82*	
		For >500, Deduct	*-122.08*	
26 51 19 00-0060	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	479.90	49.08
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*42.40*	
		For >50 To 100, Deduct	*-13.84*	
		For >100 To 250, Deduct	*-25.84*	
		For >250 To 500, Deduct	*-47.99*	
		For >500, Deduct	*-70.14*	
26 51 19 00-0061	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	559.89	49.08
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.40*	
		For >50 To 100, Deduct	*-15.84*	
		For >100 To 250, Deduct	*-29.84*	
		For >250 To 500, Deduct	*-55.99*	
		For >500, Deduct	*-82.14*	
26 51 19 00-0062	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	607.89	49.08
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*48.80*	
		For >50 To 100, Deduct	*-17.04*	
		For >100 To 250, Deduct	*-32.24*	
		For >250 To 500, Deduct	*-60.79*	
		For >500, Deduct	*-89.34*	
26 51 19 00-0063	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	604.17	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*51.68*	
		For >50 To 100, Deduct	*-17.25*	
		For >100 To 250, Deduct	*-32.36*	
		For >250 To 500, Deduct	*-60.42*	
		For >500, Deduct	*-88.48*	
26 51 19 00-0064	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	636.16	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*53.28*	
		For >50 To 100, Deduct	*-18.05*	
		For >100 To 250, Deduct	*-33.96*	
		For >250 To 500, Deduct	*-63.62*	
		For >500, Deduct	*-93.28*	
26 51 19 00-0065	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	700.17	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*56.48*	
		For >50 To 100, Deduct	*-19.65*	
		For >100 To 250, Deduct	*-37.16*	
		For >250 To 500, Deduct	*-70.02*	
		For >500, Deduct	*-102.88*	

26 51 19 00-0066 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0067 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0066)*

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0068	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	387.82	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*40.87*	
		For >50 To 100, Deduct	*-11.84*	
		For >100 To 250, Deduct	*-21.54*	
		For >250 To 500, Deduct	*-38.78*	
		For >500, Deduct	*-56.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0069	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	452.11	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*44.08*	
		For >50 To 100, Deduct	*-13.45*	
		For >100 To 250, Deduct	*-24.75*	
		For >250 To 500, Deduct	*-45.21*	
		For >500, Deduct	*-65.67*	
26 51 19 00-0070	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	509.98	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.97*	
		For >50 To 100, Deduct	*-14.90*	
		For >100 To 250, Deduct	*-27.65*	
		For >250 To 500, Deduct	*-51.00*	
		For >500, Deduct	*-74.35*	
26 51 19 00-0071		**Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series)** *(26 51 19 00-0066)* Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0072	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	493.59	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*156.41*	
		For Surface Mount, Add	*265.81*	
		For >50 To 100, Deduct	*-14.49*	
		For >100 To 250, Deduct	*-26.83*	
		For >250 To 500, Deduct	*-49.36*	
		For >500, Deduct	*-71.89*	
26 51 19 00-0073	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	532.55	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*156.41*	
		For Surface Mount, Add	*265.81*	
		For >50 To 100, Deduct	*-15.46*	
		For >100 To 250, Deduct	*-28.78*	
		For >250 To 500, Deduct	*-53.26*	
		For >500, Deduct	*-77.74*	
26 51 19 00-0074	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	532.55	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*156.41*	
		For Surface Mount, Add	*265.81*	
		For >50 To 100, Deduct	*-15.46*	
		For >100 To 250, Deduct	*-28.78*	
		For >250 To 500, Deduct	*-53.26*	
		For >500, Deduct	*-77.74*	
26 51 19 00-0075	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	590.07	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*156.41*	
		For Surface Mount, Add	*265.81*	
		For >50 To 100, Deduct	*-16.90*	
		For >100 To 250, Deduct	*-31.65*	
		For >250 To 500, Deduct	*-59.01*	
		For >500, Deduct	*-86.36*	
26 51 19 00-0076	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	459.27	49.08
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*136.72*	
		For Surface Mount, Add	*250.37*	
		For >50 To 100, Deduct	*-13.32*	
		For >100 To 250, Deduct	*-24.80*	
		For >250 To 500, Deduct	*-45.93*	
		For >500, Deduct	*-67.05*	
26 51 19 00-0077	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	433.07	49.08
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*136.72*	
		For Surface Mount, Add	*250.37*	
		For >50 To 100, Deduct	*-12.67*	
		For >100 To 250, Deduct	*-23.49*	
		For >250 To 500, Deduct	*-43.31*	
		For >500, Deduct	*-63.12*	
26 51 19 00-0078	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	515.20	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*160.12*	
		For Surface Mount, Add	*289.93*	
		For >50 To 100, Deduct	*-15.03*	
		For >100 To 250, Deduct	*-27.91*	
		For >250 To 500, Deduct	*-51.52*	
		For >500, Deduct	*-75.13*	
26 51 19 00-0079	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	532.55	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*160.12*	
		For Surface Mount, Add	*289.93*	
		For >50 To 100, Deduct	*-15.46*	
		For >100 To 250, Deduct	*-28.78*	
		For >250 To 500, Deduct	*-53.26*	
		For >500, Deduct	*-77.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0080	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	532.55	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*160.12*	
		For Surface Mount, Add	*289.93*	
		For >50 To 100, Deduct	*-15.46*	
		For >100 To 250, Deduct	*-28.78*	
		For >250 To 500, Deduct	*-53.26*	
		For >500, Deduct	*-77.74*	
26 51 19 00-0081	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	679.13	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*160.12*	
		For Surface Mount, Add	*289.93*	
		For >50 To 100, Deduct	*-19.13*	
		For >100 To 250, Deduct	*-36.10*	
		For >250 To 500, Deduct	*-67.91*	
		For >500, Deduct	*-99.72*	
26 51 19 00-0082	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	590.07	57.18
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*160.12*	
		For Surface Mount, Add	*289.93*	
		For >50 To 100, Deduct	*-16.90*	
		For >100 To 250, Deduct	*-31.65*	
		For >250 To 500, Deduct	*-59.01*	
		For >500, Deduct	*-86.36*	
26 51 19 00-0083		**Architectural, Lay-In/Troffer LED Fixtures (Metalux®)** *(26 51 19 00-0066)* Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0084	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	279.61	49.08
		For >50 To 100, Deduct	*-8.83*	
		For >100 To 250, Deduct	*-15.82*	
		For >250 To 500, Deduct	*-27.96*	
		For >500, Deduct	*-40.10*	
26 51 19 00-0085	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	369.61	57.18
		For >50 To 100, Deduct	*-11.39*	
		For >100 To 250, Deduct	*-20.63*	
		For >250 To 500, Deduct	*-36.96*	
		For >500, Deduct	*-53.29*	
26 51 19 00-0086		**Architectural, Lay-In/Troffer LED Fixtures (Finelite)** *(26 51 19 00-0066)* Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0087	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	413.20	49.08
		For >50 To 100, Deduct	*-12.17*	
		For >100 To 250, Deduct	*-22.50*	
		For >250 To 500, Deduct	*-41.32*	
		For >500, Deduct	*-60.14*	
26 51 19 00-0088	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	559.66	57.67
		For >50 To 100, Deduct	*-16.14*	
		For >100 To 250, Deduct	*-30.13*	
		For >250 To 500, Deduct	*-55.97*	
		For >500, Deduct	*-81.80*	
26 51 19 00-0089		**Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0034)*		
26 51 19 00-0090		**Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 19 00-0089)*		
26 51 19 00-0091	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	654.84	49.08
		For Drywall Or Plaster Ceilings, Add	*33.13*	
		For >50 To 100, Deduct	*-18.21*	
		For >100 To 250, Deduct	*-34.58*	
		For >250 To 500, Deduct	*-65.48*	
		For >500, Deduct	*-96.39*	
26 51 19 00-0092	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	892.88	57.18
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*66.12*	
		For >50 To 100, Deduct	*-24.47*	
		For >100 To 250, Deduct	*-46.79*	
		For >250 To 500, Deduct	*-89.29*	
		For >500, Deduct	*-131.78*	
26 51 19 00-0093		**Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0034)*		
26 51 19 00-0094		**Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)** *(26 51 19 00-0093)*		
26 51 19 00-0095	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	448.44	57.18
		For >50 To 100, Deduct	*-13.36*	
		For >100 To 250, Deduct	*-24.57*	
		For >250 To 500, Deduct	*-44.84*	
		For >500, Deduct	*-65.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0096	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	465.80	57.18
		For >50 To 100, Deduct	*-13.79*	
		For >100 To 250, Deduct	*-25.44*	
		For >250 To 500, Deduct	*-46.58*	
		For >500, Deduct	*-67.72*	
26 51 19 00-0097	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	580.86	57.18
		For >50 To 100, Deduct	*-16.67*	
		For >100 To 250, Deduct	*-31.19*	
		For >250 To 500, Deduct	*-58.09*	
		For >500, Deduct	*-84.98*	
26 51 19 00-0098	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	580.86	57.18
		For >50 To 100, Deduct	*-16.67*	
		For >100 To 250, Deduct	*-31.19*	
		For >250 To 500, Deduct	*-58.09*	
		For >500, Deduct	*-84.98*	
26 51 19 00-0099		**Panel Type, Lay-In/Troffer LED Fixtures (Sylvania)** *(26 51 19 00-0093)*		
26 51 19 00-0100	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	238.48	57.18
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*57.00*	
		For >50 To 100, Deduct	*-8.11*	
		For >100 To 250, Deduct	*-14.07*	
		For >250 To 500, Deduct	*-23.85*	
		For >500, Deduct	*-33.62*	
26 51 19 00-0101	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	245.92	57.18
		For >50 To 100, Deduct	*-8.30*	
		For >100 To 250, Deduct	*-14.44*	
		For >250 To 500, Deduct	*-24.59*	
		For >500, Deduct	*-34.74*	
26 51 19 00-0102	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	249.32	57.18
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*71.25*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 250, Deduct	*-14.61*	
		For >250 To 500, Deduct	*-24.93*	
		For >500, Deduct	*-35.25*	
26 51 19 00-0103	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	570.41	57.18
		For >50 To 100, Deduct	*-16.41*	
		For >100 To 250, Deduct	*-30.67*	
		For >250 To 500, Deduct	*-57.04*	
		For >500, Deduct	*-83.41*	
26 51 19 00-0104		**Surface Mount LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0105		**Surface Mount, Volumetric LED Fixtures (Lithonia STL)** *(26 51 19 00-0104)*		
26 51 19 00-0106	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	337.85	36.81
		For >50 To 100, Deduct	*-9.83*	
		For >100 To 250, Deduct	*-18.27*	
		For >250 To 500, Deduct	*-33.79*	
		For >500, Deduct	*-49.30*	
26 51 19 00-0107	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	306.59	44.91
		For >50 To 100, Deduct	*-9.35*	
		For >100 To 250, Deduct	*-17.02*	
		For >250 To 500, Deduct	*-30.66*	
		For >500, Deduct	*-44.30*	
26 51 19 00-0108	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	343.36	44.91
		For >50 To 100, Deduct	*-10.27*	
		For >100 To 250, Deduct	*-18.86*	
		For >250 To 500, Deduct	*-34.34*	
		For >500, Deduct	*-49.82*	
26 51 19 00-0109		**Surface Mount, Wraparound LED Fixtures (Lithonia LBL)** *(26 51 19 00-0104)*		
26 51 19 00-0110	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	284.62	36.81
		For >50 To 100, Deduct	*-8.50*	
		For >100 To 250, Deduct	*-15.61*	
		For >250 To 500, Deduct	*-28.46*	
		For >500, Deduct	*-41.31*	
26 51 19 00-0111	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	373.78	44.91
		For >50 To 100, Deduct	*-11.03*	
		For >100 To 250, Deduct	*-20.38*	
		For >250 To 500, Deduct	*-37.38*	
		For >500, Deduct	*-54.38*	
26 51 19 00-0112		**Surface Mount, Shadow Box Style LED Fixtures** *(26 51 19 00-0104)*		
26 51 19 00-0113		**Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX)** *(26 51 19 00-0112)*		
26 51 19 00-0114	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	839.36	49.08
		For >50 To 100, Deduct	*-22.82*	
		For >100 To 250, Deduct	*-43.81*	
		For >250 To 500, Deduct	*-83.94*	
		For >500, Deduct	*-124.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0115	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,077.40	57.18
		For >50 To 100, Deduct	*-29.08*	
		For >100 To 250, Deduct	*-56.02*	
		For >250 To 500, Deduct	*-107.74*	
		For >500, Deduct	*-159.46*	
26 51 19 00-0116		**Surface Mount, Low Profile Fixtures** *(26 51 19 00-0104)*		
26 51 19 00-0117	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	114.31	33.63
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 250, Deduct	*-7.40*	
		For >250 To 500, Deduct	*-11.43*	
		For >500, Deduct	*-15.47*	
26 51 19 00-0118	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	93.88	33.63
		For >50 To 100, Deduct	*-4.03*	
		For >100 To 250, Deduct	*-6.38*	
		For >250 To 500, Deduct	*-9.39*	
		For >500, Deduct	*-12.40*	
26 51 19 00-0119	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	157.20	33.63
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 250, Deduct	*-9.54*	
		For >250 To 500, Deduct	*-15.72*	
		For >500, Deduct	*-21.90*	
26 51 19 00-0120	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	189.89	33.63
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 250, Deduct	*-11.18*	
		For >250 To 500, Deduct	*-18.99*	
		For >500, Deduct	*-26.80*	
26 51 19 00-0121		**Recessed LED Downlights** *(26 51 19 00-0001)*		
26 51 19 00-0122		**Recessed LED Downlights** *(26 51 19 00-0121)*		
26 51 19 00-0123		**Recessed LED Downlights (Lithonia)** *(26 51 19 00-0122)*		
		Note: Includes housing and trim.		
26 51 19 00-0124	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	388.00	59.10
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*79.57*	
		For >50 To 100, Deduct	*-11.92*	
		For >100 To 250, Deduct	*-21.62*	
		For >250 To 500, Deduct	*-38.80*	
		For >500, Deduct	*-55.98*	
26 51 19 00-0125	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	420.15	59.10
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*79.57*	
		For >50 To 100, Deduct	*-12.72*	
		For >100 To 250, Deduct	*-23.22*	
		For >250 To 500, Deduct	*-42.02*	
		For >500, Deduct	*-60.81*	
26 51 19 00-0126		**Recessed LED Downlights (Portfolio®)** *(26 51 19 00-0122)*		
		Note: Includes housing and trim.		
26 51 19 00-0127	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	251.27	59.10
		For >50 To 100, Deduct	*-8.50*	
		For >100 To 250, Deduct	*-14.78*	
		For >250 To 500, Deduct	*-25.13*	
		For >500, Deduct	*-35.47*	
26 51 19 00-0128		**Recessed LED Downlights (Gotham® EVO®)** *(26 51 19 00-0122)*		
		Note: Includes housing and trim.		
26 51 19 00-0129	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	319.98	59.10
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 250, Deduct	*-18.22*	
		For >250 To 500, Deduct	*-32.00*	
		For >500, Deduct	*-45.78*	
26 51 19 00-0130	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	329.87	59.10
		For >50 To 100, Deduct	*-10.46*	
		For >100 To 250, Deduct	*-18.71*	
		For >250 To 500, Deduct	*-32.99*	
		For >500, Deduct	*-47.26*	
26 51 19 00-0131	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	370.45	59.10
		For >50 To 100, Deduct	*-11.48*	
		For >100 To 250, Deduct	*-20.74*	
		For >250 To 500, Deduct	*-37.05*	
		For >500, Deduct	*-53.35*	
26 51 19 00-0132	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	374.42	59.10
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 250, Deduct	*-20.94*	
		For >250 To 500, Deduct	*-37.44*	
		For >500, Deduct	*-53.95*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0133		EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	409.05	59.10
			For >50 To 100, Deduct	*-12.44*	
			For >100 To 250, Deduct	*-22.67*	
			For >250 To 500, Deduct	*-40.91*	
			For >500, Deduct	*-59.14*	

26 51 19 00-0134 Recessed LED Downlights (Lightolier) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0135		EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	629.23	59.10
			For >50 To 100, Deduct	*-17.95*	
			For >100 To 250, Deduct	*-33.68*	
			For >250 To 500, Deduct	*-62.92*	
			For >500, Deduct	*-92.17*	
26 51 19 00-0136		EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	737.62	59.10
			For >50 To 100, Deduct	*-20.66*	
			For >100 To 250, Deduct	*-39.10*	
			For >250 To 500, Deduct	*-73.76*	
			For >500, Deduct	*-108.43*	
26 51 19 00-0137		EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	791.70	59.10
			For >50 To 100, Deduct	*-22.01*	
			For >100 To 250, Deduct	*-41.80*	
			For >250 To 500, Deduct	*-79.17*	
			For >500, Deduct	*-116.54*	
26 51 19 00-0138		EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	791.70	59.10
			For >50 To 100, Deduct	*-22.01*	
			For >100 To 250, Deduct	*-41.80*	
			For >250 To 500, Deduct	*-79.17*	
			For >500, Deduct	*-116.54*	
26 51 19 00-0139		EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	818.86	59.10
			For >50 To 100, Deduct	*-22.69*	
			For >100 To 250, Deduct	*-43.16*	
			For >250 To 500, Deduct	*-81.89*	
			For >500, Deduct	*-120.61*	
26 51 19 00-0140		EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	846.04	59.10
			For >50 To 100, Deduct	*-23.37*	
			For >100 To 250, Deduct	*-44.52*	
			For >250 To 500, Deduct	*-84.60*	
			For >500, Deduct	*-124.69*	

26 51 19 00-0141 Recessed LED Downlights (Cooper) *(26 51 19 00-0122)*

26 51 19 00-0142		EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	160.56	59.10
			For >50 To 100, Deduct	*-6.23*	
			For >100 To 250, Deduct	*-10.24*	
			For >250 To 500, Deduct	*-16.06*	
			For >500, Deduct	*-21.87*	
26 51 19 00-0143		EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	160.56	59.10
			For >50 To 100, Deduct	*-6.23*	
			For >100 To 250, Deduct	*-10.24*	
			For >250 To 500, Deduct	*-16.06*	
			For >500, Deduct	*-21.87*	
26 51 19 00-0144		EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	160.56	59.10
			For >50 To 100, Deduct	*-6.23*	
			For >100 To 250, Deduct	*-10.24*	
			For >250 To 500, Deduct	*-16.06*	
			For >500, Deduct	*-21.87*	
26 51 19 00-0145		EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	160.56	59.10
			For >50 To 100, Deduct	*-6.23*	
			For >100 To 250, Deduct	*-10.24*	
			For >250 To 500, Deduct	*-16.06*	
			For >500, Deduct	*-21.87*	
26 51 19 00-0146		EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	163.24	59.10
			For >50 To 100, Deduct	*-6.30*	
			For >100 To 250, Deduct	*-10.38*	
			For >250 To 500, Deduct	*-16.32*	
			For >500, Deduct	*-22.27*	
26 51 19 00-0147		EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	163.24	59.10
			For >50 To 100, Deduct	*-6.30*	
			For >100 To 250, Deduct	*-10.38*	
			For >250 To 500, Deduct	*-16.32*	
			For >500, Deduct	*-22.27*	
26 51 19 00-0148		EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	163.24	59.10
			For >50 To 100, Deduct	*-6.30*	
			For >100 To 250, Deduct	*-10.38*	
			For >250 To 500, Deduct	*-16.32*	
			For >500, Deduct	*-22.27*	
26 51 19 00-0149		EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	163.24	59.10
			For >50 To 100, Deduct	*-6.30*	
			For >100 To 250, Deduct	*-10.38*	
			For >250 To 500, Deduct	*-16.32*	
			For >500, Deduct	*-22.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0150	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	199.55	59.10
		For >50 To 100, Deduct	*-7.21*	
		For >100 To 250, Deduct	*-12.19*	
		For >250 To 500, Deduct	*-19.96*	
		For >500, Deduct	*-27.72*	
26 51 19 00-0151	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	197.71	59.10
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-12.10*	
		For >250 To 500, Deduct	*-19.77*	
		For >500, Deduct	*-27.44*	
26 51 19 00-0152	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	197.71	59.10
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-12.10*	
		For >250 To 500, Deduct	*-19.77*	
		For >500, Deduct	*-27.44*	
26 51 19 00-0153	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	197.71	59.10
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-12.10*	
		For >250 To 500, Deduct	*-19.77*	
		For >500, Deduct	*-27.44*	
26 51 19 00-0154	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	92.82	18.81
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-9.28*	
		For >500, Deduct	*-13.22*	
26 51 19 00-0155	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	59.59	18.81
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 500, Deduct	*-5.96*	
		For >500, Deduct	*-8.23*	
26 51 19 00-0156	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	73.89	18.81
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 500, Deduct	*-7.39*	
		For >500, Deduct	*-10.38*	
26 51 19 00-0157	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	62.47	18.81
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.25*	
		For >500, Deduct	*-8.67*	
26 51 19 00-0158	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	50.78	18.81
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-5.08*	
		For >500, Deduct	*-6.91*	
26 51 19 00-0159	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	61.95	18.81
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.59*	
26 51 19 00-0160	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	68.75	18.81
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 500, Deduct	*-6.88*	
		For >500, Deduct	*-9.61*	
26 51 19 00-0161	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	74.82	18.81
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-10.52*	
26 51 19 00-0162	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	86.66	18.81
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 250, Deduct	*-5.04*	
		For >250 To 500, Deduct	*-8.67*	
		For >500, Deduct	*-12.29*	
26 51 19 00-0163	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	87.04	18.81
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-5.06*	
		For >250 To 500, Deduct	*-8.70*	
		For >500, Deduct	*-12.35*	
26 51 19 00-0164	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	85.34	18.81
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-8.53*	
		For >500, Deduct	*-12.10*	
26 51 19 00-0165	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	104.77	18.81
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.94*	
		For >250 To 500, Deduct	*-10.48*	
		For >500, Deduct	*-15.01*	
26 51 19 00-0166	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	51.19	18.81
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.26*	
		For >250 To 500, Deduct	*-5.12*	
		For >500, Deduct	*-6.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0167	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	89.98	18.81
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-5.20*	
		For >250 To 500, Deduct	*-9.00*	
		For >500, Deduct	*-12.79*	
26 51 19 00-0168	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	76.90	18.81
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-7.69*	
		For >500, Deduct	*-10.83*	
26 51 19 00-0169	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	72.31	18.81
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-4.32*	
		For >250 To 500, Deduct	*-7.23*	
		For >500, Deduct	*-10.14*	
26 51 19 00-0170	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	64.75	18.81
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.48*	
		For >500, Deduct	*-9.01*	
26 51 19 00-0171	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	65.29	18.81
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-6.53*	
		For >500, Deduct	*-9.09*	
26 51 19 00-0172	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	70.15	18.81
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-9.82*	
26 51 19 00-0173	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	64.45	18.81
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.45*	
		For >500, Deduct	*-8.96*	
26 51 19 00-0174	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	79.93	18.81
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.70*	
		For >250 To 500, Deduct	*-7.99*	
		For >500, Deduct	*-11.28*	
26 51 19 00-0175	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	86.46	18.81
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-8.65*	
		For >500, Deduct	*-12.26*	
26 51 19 00-0176	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	108.17	18.81
		For >50 To 100, Deduct	*-3.41*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.82*	
		For >500, Deduct	*-15.52*	
26 51 19 00-0177	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	105.45	18.81
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 250, Deduct	*-5.98*	
		For >250 To 500, Deduct	*-10.55*	
		For >500, Deduct	*-15.11*	
26 51 19 00-0178	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	106.65	18.81
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-10.67*	
		For >500, Deduct	*-15.29*	
26 51 19 00-0179	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	65.95	18.81
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 250, Deduct	*-4.00*	
		For >250 To 500, Deduct	*-6.60*	
		For >500, Deduct	*-9.19*	
26 51 19 00-0180	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	66.28	40.29
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-4.83*	
		For >250 To 500, Deduct	*-6.63*	
		For >500, Deduct	*-8.43*	
26 51 19 00-0181	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	71.59	40.29
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-5.09*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-9.23*	
26 51 19 00-0182	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	69.46	40.29
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-8.91*	
26 51 19 00-0183	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	90.41	40.29
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-6.03*	
		For >250 To 500, Deduct	*-9.04*	
		For >500, Deduct	*-12.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0184	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	87.95	40.29
		For >50 To 100, Deduct	*-3.71*	
		For >100 To 250, Deduct	*-5.91*	
		For >250 To 500, Deduct	*-8.80*	
		For >500, Deduct	*-11.68*	
26 51 19 00-0185	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	72.32	40.29
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.23*	
		For >500, Deduct	*-9.34*	
26 51 19 00-0186	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	75.90	40.29
		For >50 To 100, Deduct	*-3.41*	
		For >100 To 250, Deduct	*-5.31*	
		For >250 To 500, Deduct	*-7.59*	
		For >500, Deduct	*-9.87*	
26 51 19 00-0187	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	71.57	40.29
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-5.09*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-9.22*	
26 51 19 00-0188	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	75.49	40.29
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-9.81*	
26 51 19 00-0189	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	72.22	40.29
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.12*	
		For >250 To 500, Deduct	*-7.22*	
		For >500, Deduct	*-9.32*	
26 51 19 00-0190	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	71.85	40.29
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 500, Deduct	*-7.19*	
		For >500, Deduct	*-9.27*	
26 51 19 00-0191	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	74.68	40.29
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-7.47*	
		For >500, Deduct	*-9.69*	
26 51 19 00-0192	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	76.22	40.29
		For >50 To 100, Deduct	*-3.42*	
		For >100 To 250, Deduct	*-5.32*	
		For >250 To 500, Deduct	*-7.62*	
		For >500, Deduct	*-9.92*	
26 51 19 00-0193	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	76.71	40.29
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-7.67*	
		For >500, Deduct	*-10.00*	
26 51 19 00-0194	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	100.44	40.29
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.53*	
		For >250 To 500, Deduct	*-10.04*	
		For >500, Deduct	*-13.56*	
26 51 19 00-0195	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	94.48	40.29
		For >50 To 100, Deduct	*-3.87*	
		For >100 To 250, Deduct	*-6.24*	
		For >250 To 500, Deduct	*-9.45*	
		For >500, Deduct	*-12.66*	
26 51 19 00-0196	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	95.17	40.29
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-9.52*	
		For >500, Deduct	*-12.76*	
26 51 19 00-0197	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	99.15	40.29
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-9.92*	
		For >500, Deduct	*-13.36*	
26 51 19 00-0198	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	99.15	40.29
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-9.92*	
		For >500, Deduct	*-13.36*	
26 51 19 00-0199	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	99.15	40.29
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-9.92*	
		For >500, Deduct	*-13.36*	
26 51 19 00-0200	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	99.15	40.29
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-9.92*	
		For >500, Deduct	*-13.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0201	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	99.15	40.29
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-9.92*	
		For >500, Deduct	*-13.36*	
26 51 19 00-0202	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	88.74	40.29
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-5.95*	
		For >250 To 500, Deduct	*-8.87*	
		For >500, Deduct	*-11.80*	
26 51 19 00-0203	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	88.74	40.29
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-5.95*	
		For >250 To 500, Deduct	*-8.87*	
		For >500, Deduct	*-11.80*	
26 51 19 00-0204	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	88.74	40.29
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-5.95*	
		For >250 To 500, Deduct	*-8.87*	
		For >500, Deduct	*-11.80*	
26 51 19 00-0205	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	88.74	40.29
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-5.95*	
		For >250 To 500, Deduct	*-8.87*	
		For >500, Deduct	*-11.80*	
26 51 19 00-0206	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	88.74	40.29
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-5.95*	
		For >250 To 500, Deduct	*-8.87*	
		For >500, Deduct	*-11.80*	
26 51 19 00-0207	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	89.50	40.29
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-8.95*	
		For >500, Deduct	*-11.91*	
26 51 19 00-0208	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	101.20	40.29
		For >50 To 100, Deduct	*-4.04*	
		For >100 To 250, Deduct	*-6.57*	
		For >250 To 500, Deduct	*-10.12*	
		For >500, Deduct	*-13.67*	
26 51 19 00-0209	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	89.50	40.29
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-8.95*	
		For >500, Deduct	*-11.91*	
26 51 19 00-0210	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	97.89	40.29
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 500, Deduct	*-9.79*	
		For >500, Deduct	*-13.17*	
26 51 19 00-0211	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	84.76	40.29
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.48*	
		For >500, Deduct	*-11.20*	
26 51 19 00-0212	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	85.91	40.29
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-5.81*	
		For >250 To 500, Deduct	*-8.59*	
		For >500, Deduct	*-11.38*	
26 51 19 00-0213	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	94.09	40.29
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-12.60*	
26 51 19 00-0214	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	94.09	40.29
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-12.60*	
26 51 19 00-0215	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	94.09	40.29
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-12.60*	
26 51 19 00-0216	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	94.09	40.29
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-12.60*	
26 51 19 00-0217	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	94.09	40.29
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-12.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0218	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	74.58	18.81
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.43*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-10.48*	
26 51 19 00-0219	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	76.96	18.81
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-7.70*	
		For >500, Deduct	*-10.84*	
26 51 19 00-0220	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	79.58	40.29
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.49*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.43*	
26 51 19 00-0221	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	79.87	40.29
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-7.99*	
		For >500, Deduct	*-10.47*	
26 51 19 00-0222	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	74.93	40.29
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-5.26*	
		For >250 To 500, Deduct	*-7.49*	
		For >500, Deduct	*-9.73*	
26 51 19 00-0223	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	77.36	40.29
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-7.74*	
		For >500, Deduct	*-10.09*	
26 51 19 00-0224	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	76.56	40.29
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-9.97*	
26 51 19 00-0225	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	77.30	40.29
		For >50 To 100, Deduct	*-3.44*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-7.73*	
		For >500, Deduct	*-10.08*	
26 51 19 00-0226	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	87.70	40.29
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-5.90*	
		For >250 To 500, Deduct	*-8.77*	
		For >500, Deduct	*-11.64*	
26 51 19 00-0227	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	88.26	40.29
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-8.83*	
		For >500, Deduct	*-11.73*	
26 51 19 00-0228	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	91.06	40.29
		For >50 To 100, Deduct	*-3.79*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-9.11*	
		For >500, Deduct	*-12.15*	
26 51 19 00-0229	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	93.02	40.29
		For >50 To 100, Deduct	*-3.84*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-12.44*	
26 51 19 00-0230	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	101.63	40.29
		For >50 To 100, Deduct	*-4.05*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-10.16*	
		For >500, Deduct	*-13.73*	

26 51 19 00-0231 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0122)*

26 51 19 00-0232	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	187.14	59.10
		For >50 To 100, Deduct	*-6.89*	
		For >100 To 250, Deduct	*-11.57*	
		For >250 To 500, Deduct	*-18.71*	
		For >500, Deduct	*-25.85*	
26 51 19 00-0233	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	189.67	59.10
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 250, Deduct	*-11.70*	
		For >250 To 500, Deduct	*-18.97*	
		For >500, Deduct	*-26.23*	
26 51 19 00-0234	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	197.25	59.10
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.08*	
		For >250 To 500, Deduct	*-19.73*	
		For >500, Deduct	*-27.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0235	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	182.08	59.10
		For >50 To 100, Deduct	*-6.77*	
		For >100 To 250, Deduct	*-11.32*	
		For >250 To 500, Deduct	*-18.21*	
		For >500, Deduct	*-25.10*	
26 51 19 00-0236	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	182.08	59.10
		For >50 To 100, Deduct	*-6.77*	
		For >100 To 250, Deduct	*-11.32*	
		For >250 To 500, Deduct	*-18.21*	
		For >500, Deduct	*-25.10*	
26 51 19 00-0237	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	182.08	59.10
		For >50 To 100, Deduct	*-6.77*	
		For >100 To 250, Deduct	*-11.32*	
		For >250 To 500, Deduct	*-18.21*	
		For >500, Deduct	*-25.10*	
26 51 19 00-0238	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	197.25	59.10
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.08*	
		For >250 To 500, Deduct	*-19.73*	
		For >500, Deduct	*-27.37*	
26 51 19 00-0239	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	199.77	59.10
		For >50 To 100, Deduct	*-7.21*	
		For >100 To 250, Deduct	*-12.20*	
		For >250 To 500, Deduct	*-19.98*	
		For >500, Deduct	*-27.75*	
26 51 19 00-0240	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	204.81	59.10
		For >50 To 100, Deduct	*-7.34*	
		For >100 To 250, Deduct	*-12.46*	
		For >250 To 500, Deduct	*-20.48*	
		For >500, Deduct	*-28.51*	
26 51 19 00-0241	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	219.96	59.10
		For >50 To 100, Deduct	*-7.72*	
		For >100 To 250, Deduct	*-13.21*	
		For >250 To 500, Deduct	*-22.00*	
		For >500, Deduct	*-30.78*	
26 51 19 00-0242	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	240.17	59.10
		For >50 To 100, Deduct	*-8.22*	
		For >100 To 250, Deduct	*-14.22*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-33.81*	

26 51 19 00-0243 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0121)*

26 51 19 00-0244 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0243)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0245	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	114.35	
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-6.56*	
		For >250 To 500, Deduct	*-11.44*	
		For >500, Deduct	*-16.31*	
26 51 19 00-0246	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	101.25	
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-5.90*	
		For >250 To 500, Deduct	*-10.13*	
		For >500, Deduct	*-14.35*	
26 51 19 00-0247	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	127.45	
		For >50 To 100, Deduct	*-4.03*	
		For >100 To 250, Deduct	*-7.21*	
		For >250 To 500, Deduct	*-12.75*	
		For >500, Deduct	*-18.28*	
26 51 19 00-0248	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	142.72	
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 250, Deduct	*-7.98*	
		For >250 To 500, Deduct	*-14.27*	
		For >500, Deduct	*-20.57*	
26 51 19 00-0249	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	155.82	
		For >50 To 100, Deduct	*-4.74*	
		For >100 To 250, Deduct	*-8.63*	
		For >250 To 500, Deduct	*-15.58*	
		For >500, Deduct	*-22.53*	

26 51 19 00-0250 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0243)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

26 51 19 00-0251	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	41.97	9.40
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.20*	
		For >500, Deduct	*-5.79*	
26 51 19 00-0252	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	50.71	9.40
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.04*	
		For >250 To 500, Deduct	*-5.07*	
		For >500, Deduct	*-7.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0253	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	44.16	9.40
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.42*	
		For >500, Deduct	*-6.12*	
26 51 19 00-0254		**Recessed LED Downlight Fixture Housings (CREE®)** *(26 51 19 00-0243)*		
		Note: Excludes lamp and trim.		
26 51 19 00-0255	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	112.84	40.29
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 250, Deduct	*-7.15*	
		For >250 To 500, Deduct	*-11.28*	
		For >500, Deduct	*-15.42*	
26 51 19 00-0256	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	82.26	40.29
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 250, Deduct	*-5.62*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-10.83*	
26 51 19 00-0257		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0121)*		
26 51 19 00-0258	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	103.56	36.81
		For >50 To 100, Deduct	*-3.97*	
		For >100 To 250, Deduct	*-6.56*	
		For >250 To 500, Deduct	*-10.36*	
		For >500, Deduct	*-14.15*	
26 51 19 00-0259	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	84.77	36.81
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.62*	
		For >250 To 500, Deduct	*-8.48*	
		For >500, Deduct	*-11.34*	
26 51 19 00-0260	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	84.77	36.81
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.62*	
		For >250 To 500, Deduct	*-8.48*	
		For >500, Deduct	*-11.34*	
26 51 19 00-0261	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	145.38	36.81
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*53.36*	
		For >50 To 100, Deduct	*-5.02*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-14.54*	
		For >500, Deduct	*-20.43*	
26 51 19 00-0262	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	74.19	36.81
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-5.09*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-9.75*	
26 51 19 00-0263	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	81.81	36.81
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-8.18*	
		For >500, Deduct	*-10.89*	
26 51 19 00-0264	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	949.03	36.81
		For >50 To 100, Deduct	*-25.11*	
		For >100 To 250, Deduct	*-48.83*	
		For >250 To 500, Deduct	*-94.90*	
		For >500, Deduct	*-140.97*	
26 51 19 00-0265		**Wall Mount LED Cylinder Downlight** *(26 51 19 00-0001)*		
26 51 19 00-0266	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	418.18	57.18
		For >50 To 100, Deduct	*-12.60*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-41.82*	
		For >500, Deduct	*-60.58*	
26 51 19 00-0267		**Wall Sconce And Wall Wash LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0268		**LED Wall Sconce Fixtures (Hudson Valley Lighting)** *(26 51 19 00-0267)*		
26 51 19 00-0269	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	547.48	53.73
		For >50 To 100, Deduct	*-15.70*	
		For >100 To 250, Deduct	*-29.39*	
		For >250 To 500, Deduct	*-54.75*	
		For >500, Deduct	*-80.11*	
26 51 19 00-0270		**LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0267)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0271	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	306.65	53.73
		For >50 To 100, Deduct	*-9.68*	
		For >100 To 250, Deduct	*-17.35*	
		For >250 To 500, Deduct	*-30.67*	
		For >500, Deduct	*-43.98*	
26 51 19 00-0272		**LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0267)*		
26 51 19 00-0273	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	152.72	53.73
		For >50 To 100, Deduct	*-5.83*	
		For >100 To 250, Deduct	*-9.65*	
		For >250 To 500, Deduct	*-15.27*	
		For >500, Deduct	*-20.89*	
26 51 19 00-0274	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	134.96	53.73
		For >50 To 100, Deduct	*-5.39*	
		For >100 To 250, Deduct	*-8.76*	
		For >250 To 500, Deduct	*-13.50*	
		For >500, Deduct	*-18.23*	
26 51 19 00-0275		**Concealed Continuous LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0276		**Concealed Continuous LED Fixtures (Fraqtir™ S301)** *(26 51 19 00-0275)*		
26 51 19 00-0277	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	740.38	6.13
		For >50 To 100, Deduct	*-18.82*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-74.04*	
		For >500, Deduct	*-110.75*	
26 51 19 00-0278	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	844.05	6.13
		For >50 To 100, Deduct	*-21.41*	
		For >100 To 250, Deduct	*-42.51*	
		For >250 To 500, Deduct	*-84.41*	
		For >500, Deduct	*-126.30*	
26 51 19 00-0279		**Low Bay LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0280		**LED Linear Low Bay Fixtures (PlanLED)** *(26 51 19 00-0279)*		
26 51 19 00-0281	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	385.14	73.63
		For >50 To 100, Deduct	*-12.70*	
		For >100 To 250, Deduct	*-22.32*	
		For >250 To 500, Deduct	*-38.51*	
		For >500, Deduct	*-54.70*	
26 51 19 00-0282	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	520.73	73.63
		For >50 To 100, Deduct	*-16.09*	
		For >100 To 250, Deduct	*-29.10*	
		For >250 To 500, Deduct	*-52.07*	
		For >500, Deduct	*-75.04*	
26 51 19 00-0283	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	864.15	92.03
		For >50 To 100, Deduct	*-25.44*	
		For >100 To 250, Deduct	*-47.04*	
		For >250 To 500, Deduct	*-86.42*	
		For >500, Deduct	*-125.79*	
26 51 19 00-0284		**LED Low Bay Fixtures (CREE®)** *(26 51 19 00-0279)*		
26 51 19 00-0285		**LED Low Bay Fixtures (CREE® LS)** *(26 51 19 00-0284)*		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0286	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	339.80	73.63
		For >50 To 100, Deduct	*-11.56*	
		For >100 To 250, Deduct	*-20.06*	
		For >250 To 500, Deduct	*-33.98*	
		For >500, Deduct	*-47.90*	
26 51 19 00-0287	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	362.06	73.63
		For >50 To 100, Deduct	*-12.12*	
		For >100 To 250, Deduct	*-21.17*	
		For >250 To 500, Deduct	*-36.21*	
		For >500, Deduct	*-51.24*	
26 51 19 00-0288	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	349.08	73.63
		For >50 To 100, Deduct	*-11.79*	
		For >100 To 250, Deduct	*-20.52*	
		For >250 To 500, Deduct	*-34.91*	
		For >500, Deduct	*-49.29*	
26 51 19 00-0289	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	371.34	73.63
		For >50 To 100, Deduct	*-12.35*	
		For >100 To 250, Deduct	*-21.63*	
		For >250 To 500, Deduct	*-37.13*	
		For >500, Deduct	*-52.63*	
26 51 19 00-0290	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	388.04	73.63
		For >50 To 100, Deduct	*-12.77*	
		For >100 To 250, Deduct	*-22.47*	
		For >250 To 500, Deduct	*-38.80*	
		For >500, Deduct	*-55.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0291	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	410.31	73.63
		For >50 To 100, Deduct	*-13.33*	
		For >100 To 250, Deduct	*-23.58*	
		For >250 To 500, Deduct	*-41.03*	
		For >500, Deduct	*-58.48*	
26 51 19 00-0292	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	543.04	92.03
		For >50 To 100, Deduct	*-17.41*	
		For >100 To 250, Deduct	*-30.99*	
		For >250 To 500, Deduct	*-54.30*	
		For >500, Deduct	*-77.62*	
26 51 19 00-0293	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	583.86	92.03
		For >50 To 100, Deduct	*-18.43*	
		For >100 To 250, Deduct	*-33.03*	
		For >250 To 500, Deduct	*-58.39*	
		For >500, Deduct	*-83.74*	
26 51 19 00-0294	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	669.21	92.03
		For >50 To 100, Deduct	*-20.57*	
		For >100 To 250, Deduct	*-37.30*	
		For >250 To 500, Deduct	*-66.92*	
		For >500, Deduct	*-96.55*	
26 51 19 00-0295	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	691.47	92.03
		For >50 To 100, Deduct	*-21.12*	
		For >100 To 250, Deduct	*-38.41*	
		For >250 To 500, Deduct	*-69.15*	
		For >500, Deduct	*-99.89*	

26 51 19 00-0296 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0284)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0297	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	751.71	73.63
		For >50 To 100, Deduct	*-21.86*	
		For >100 To 250, Deduct	*-40.65*	
		For >250 To 500, Deduct	*-75.17*	
		For >500, Deduct	*-109.69*	
26 51 19 00-0298	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	844.48	73.63
		For >50 To 100, Deduct	*-24.18*	
		For >100 To 250, Deduct	*-45.29*	
		For >250 To 500, Deduct	*-84.45*	
		For >500, Deduct	*-123.60*	

26 51 19 00-0299 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0284)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0300	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	728.82	73.63
		For >50 To 100, Deduct	*-21.29*	
		For >100 To 250, Deduct	*-39.51*	
		For >250 To 500, Deduct	*-72.88*	
		For >500, Deduct	*-106.26*	
26 51 19 00-0301	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	905.75	92.03
		For >50 To 100, Deduct	*-26.48*	
		For >100 To 250, Deduct	*-49.12*	
		For >250 To 500, Deduct	*-90.58*	
		For >500, Deduct	*-132.03*	
26 51 19 00-0302	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,148.05	92.03
		For >50 To 100, Deduct	*-32.54*	
		For >100 To 250, Deduct	*-61.24*	
		For >250 To 500, Deduct	*-114.81*	
		For >500, Deduct	*-168.37*	

26 51 19 00-0303 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0284)*

26 51 19 00-0304	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	66.38	20.18
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.12*	
26 51 19 00-0305	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	72.93	20.18
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-10.10*	
26 51 19 00-0306	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	55.45	20.18
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-5.55*	
		For >500, Deduct	*-7.48*	
26 51 19 00-0307	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	44.54	20.18
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-5.84*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0308 EA Solid Reflector, Pair (Cree® LS4-SR)	142.77	20.18
For >50 To 100, Deduct	*-4.41*	
For >100 To 250, Deduct	*-7.98*	
For >250 To 500, Deduct	*-14.28*	
For >500, Deduct	*-20.57*	
26 51 19 00-0309 EA Solid Reflector, Pair (Cree® LS8-SR)	197.36	20.18
For >50 To 100, Deduct	*-5.77*	
For >100 To 250, Deduct	*-10.71*	
For >250 To 500, Deduct	*-19.74*	
For >500, Deduct	*-28.76*	
26 51 19 00-0310 EA 5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	72.93	20.18
For >50 To 100, Deduct	*-2.66*	
For >100 To 250, Deduct	*-4.49*	
For >250 To 500, Deduct	*-7.29*	
For >500, Deduct	*-10.10*	
26 51 19 00-0311 EA 5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	103.49	20.18
For >50 To 100, Deduct	*-3.43*	
For >100 To 250, Deduct	*-6.02*	
For >250 To 500, Deduct	*-10.35*	
For >500, Deduct	*-14.68*	
26 51 19 00-0312 EA 5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	81.65	20.18
For >50 To 100, Deduct	*-2.88*	
For >100 To 250, Deduct	*-4.92*	
For >250 To 500, Deduct	*-8.17*	
For >500, Deduct	*-11.41*	
26 51 19 00-0313 EA 5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	110.04	20.18
For >50 To 100, Deduct	*-3.59*	
For >100 To 250, Deduct	*-6.34*	
For >250 To 500, Deduct	*-11.00*	
For >500, Deduct	*-15.67*	
26 51 19 00-0314 EA 5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	116.59	20.18
For >50 To 100, Deduct	*-3.76*	
For >100 To 250, Deduct	*-6.67*	
For >250 To 500, Deduct	*-11.66*	
For >500, Deduct	*-16.65*	
26 51 19 00-0315 EA 5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	99.11	20.18
For >50 To 100, Deduct	*-3.32*	
For >100 To 250, Deduct	*-5.80*	
For >250 To 500, Deduct	*-9.91*	
For >500, Deduct	*-14.03*	
26 51 19 00-0316 EA 5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	149.32	20.18
For >50 To 100, Deduct	*-4.57*	
For >100 To 250, Deduct	*-8.31*	
For >250 To 500, Deduct	*-14.93*	
For >500, Deduct	*-21.56*	
26 51 19 00-0317 EA Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	77.29	20.18
For >50 To 100, Deduct	*-2.77*	
For >100 To 250, Deduct	*-4.71*	
For >250 To 500, Deduct	*-7.73*	
For >500, Deduct	*-10.75*	
26 51 19 00-0318 EA Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	94.75	20.18
For >50 To 100, Deduct	*-3.21*	
For >100 To 250, Deduct	*-5.58*	
For >250 To 500, Deduct	*-9.48*	
For >500, Deduct	*-13.37*	
26 51 19 00-0319 EA Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	72.93	20.18
For >50 To 100, Deduct	*-2.66*	
For >100 To 250, Deduct	*-4.49*	
For >250 To 500, Deduct	*-7.29*	
For >500, Deduct	*-10.10*	
26 51 19 00-0320 EA Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,437.93	49.08
For >50 To 100, Deduct	*-37.79*	
For >100 To 250, Deduct	*-73.74*	
For >250 To 500, Deduct	*-143.79*	
For >500, Deduct	*-213.85*	
26 51 19 00-0321 EA 120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	510.20	49.08
For >50 To 100, Deduct	*-14.60*	
For >100 To 250, Deduct	*-27.35*	
For >250 To 500, Deduct	*-51.02*	
For >500, Deduct	*-74.69*	

26 51 19 00-0322 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0279)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0323 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	1,013.42	73.63
For >50 To 100, Deduct	*-28.40*	
For >100 To 250, Deduct	*-53.74*	
For >250 To 500, Deduct	*-101.34*	
For >500, Deduct	*-148.95*	

26 51 19 00-0324 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0325 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0324)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0326	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	527.14	134.98
		For >50 To 100, Deduct	*-19.93*	
		For >100 To 250, Deduct	*-33.11*	
		For >250 To 500, Deduct	*-52.71*	
		For >500, Deduct	*-72.32*	
26 51 19 00-0327	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	527.14	134.98
		For >50 To 100, Deduct	*-19.93*	
		For >100 To 250, Deduct	*-33.11*	
		For >250 To 500, Deduct	*-52.71*	
		For >500, Deduct	*-72.32*	
26 51 19 00-0328	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	588.86	134.98
		For >50 To 100, Deduct	*-21.47*	
		For >100 To 250, Deduct	*-36.19*	
		For >250 To 500, Deduct	*-58.89*	
		For >500, Deduct	*-81.58*	
26 51 19 00-0329	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	588.86	134.98
		For >50 To 100, Deduct	*-21.47*	
		For >100 To 250, Deduct	*-36.19*	
		For >250 To 500, Deduct	*-58.89*	
		For >500, Deduct	*-81.58*	
26 51 19 00-0330	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	691.73	134.98
		For >50 To 100, Deduct	*-24.04*	
		For >100 To 250, Deduct	*-41.34*	
		For >250 To 500, Deduct	*-69.17*	
		For >500, Deduct	*-97.01*	
26 51 19 00-0331	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	691.73	134.98
		For >50 To 100, Deduct	*-24.04*	
		For >100 To 250, Deduct	*-41.34*	
		For >250 To 500, Deduct	*-69.17*	
		For >500, Deduct	*-97.01*	
26 51 19 00-0332	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	732.88	134.98
		For >50 To 100, Deduct	*-25.07*	
		For >100 To 250, Deduct	*-43.39*	
		For >250 To 500, Deduct	*-73.29*	
		For >500, Deduct	*-103.18*	
26 51 19 00-0333	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	732.88	134.98
		For >50 To 100, Deduct	*-25.07*	
		For >100 To 250, Deduct	*-43.39*	
		For >250 To 500, Deduct	*-73.29*	
		For >500, Deduct	*-103.18*	
26 51 19 00-0334	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	763.74	134.98
		For >50 To 100, Deduct	*-25.84*	
		For >100 To 250, Deduct	*-44.94*	
		For >250 To 500, Deduct	*-76.37*	
		For >500, Deduct	*-107.81*	
26 51 19 00-0335	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	763.74	134.98
		For >50 To 100, Deduct	*-25.84*	
		For >100 To 250, Deduct	*-44.94*	
		For >250 To 500, Deduct	*-76.37*	
		For >500, Deduct	*-107.81*	

26 51 19 00-0336 LED High Bay Fixtures (Cree) *(26 51 19 00-0324)*

26 51 19 00-0337 LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0338	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	898.97	134.98
		For >50 To 100, Deduct	*-29.22*	
		For >100 To 250, Deduct	*-51.70*	
		For >250 To 500, Deduct	*-89.90*	
		For >500, Deduct	*-128.10*	
26 51 19 00-0339	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,077.63	134.98
		For >50 To 100, Deduct	*-33.69*	
		For >100 To 250, Deduct	*-60.63*	
		For >250 To 500, Deduct	*-107.76*	
		For >500, Deduct	*-154.90*	
26 51 19 00-0340	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	990.33	134.98
		For >50 To 100, Deduct	*-31.51*	
		For >100 To 250, Deduct	*-56.27*	
		For >250 To 500, Deduct	*-99.03*	
		For >500, Deduct	*-141.80*	
26 51 19 00-0341	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	1,132.22	134.98
		For >50 To 100, Deduct	*-35.05*	
		For >100 To 250, Deduct	*-63.36*	
		For >250 To 500, Deduct	*-113.22*	
		For >500, Deduct	*-163.08*	
26 51 19 00-0342	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	930.51	134.98
		For >50 To 100, Deduct	*-30.01*	
		For >100 To 250, Deduct	*-53.27*	
		For >250 To 500, Deduct	*-93.05*	
		For >500, Deduct	*-132.83*	
26 51 19 00-0343	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	1,110.38	134.98
		For >50 To 100, Deduct	*-34.51*	
		For >100 To 250, Deduct	*-62.27*	
		For >250 To 500, Deduct	*-111.04*	
		For >500, Deduct	*-159.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0344	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	1,023.06	134.98
		For >50 To 100, Deduct	*-32.33*	
		For >100 To 250, Deduct	*-57.90*	
		For >250 To 500, Deduct	*-102.31*	
		For >500, Deduct	*-146.71*	
26 51 19 00-0345	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,164.95	134.98
		For >50 To 100, Deduct	*-35.87*	
		For >100 To 250, Deduct	*-65.00*	
		For >250 To 500, Deduct	*-116.50*	
		For >500, Deduct	*-167.99*	

26 51 19 00-0346 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0347	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	66.38	20.18
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.12*	
26 51 19 00-0348	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	66.38	20.18
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.12*	
26 51 19 00-0349	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	88.20	20.18
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-8.82*	
		For >500, Deduct	*-12.39*	
26 51 19 00-0350	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	131.86	20.18
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 250, Deduct	*-7.43*	
		For >250 To 500, Deduct	*-13.19*	
		For >500, Deduct	*-18.94*	
26 51 19 00-0351	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	153.70	20.18
		For >50 To 100, Deduct	*-4.68*	
		For >100 To 250, Deduct	*-8.53*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-22.21*	
26 51 19 00-0352	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	88.20	20.18
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-8.82*	
		For >500, Deduct	*-12.39*	
26 51 19 00-0353	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	90.39	20.18
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-5.36*	
		For >250 To 500, Deduct	*-9.04*	
		For >500, Deduct	*-12.72*	
26 51 19 00-0354	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	66.38	20.18
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.12*	
26 51 19 00-0355	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	70.74	20.18
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-4.38*	
		For >250 To 500, Deduct	*-7.07*	
		For >500, Deduct	*-9.77*	
26 51 19 00-0356	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	46.73	20.18
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 250, Deduct	*-3.18*	
		For >250 To 500, Deduct	*-4.67*	
		For >500, Deduct	*-6.17*	
26 51 19 00-0357	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	48.92	20.18
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 250, Deduct	*-3.29*	
		For >250 To 500, Deduct	*-4.89*	
		For >500, Deduct	*-6.50*	

26 51 19 00-0358 LED High Bay Fixtures (DLE) *(26 51 19 00-0324)*

26 51 19 00-0359	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,492.47	134.98
		For >50 To 100, Deduct	*-44.06*	
		For >100 To 250, Deduct	*-81.37*	
		For >250 To 500, Deduct	*-149.25*	
		For >500, Deduct	*-217.12*	
26 51 19 00-0360	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,829.26	134.98
		For >50 To 100, Deduct	*-52.48*	
		For >100 To 250, Deduct	*-98.21*	
		For >250 To 500, Deduct	*-182.93*	
		For >500, Deduct	*-267.64*	
26 51 19 00-0361	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,141.99	134.98
		For >50 To 100, Deduct	*-60.30*	
		For >100 To 250, Deduct	*-113.85*	
		For >250 To 500, Deduct	*-214.20*	
		For >500, Deduct	*-314.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0362		**LED High Bay Fixtures (Everlast)** *(26 51 19 00-0324)*		
26 51 19 00-0363		**LED High Bay Fixtures (Everlast EL-LED-LG)** *(26 51 19 00-0362)*		
26 51 19 00-0364	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,013.53	134.98
		For >50 To 100, Deduct	*-32.09*	
		For >100 To 250, Deduct	*-57.43*	
		For >250 To 500, Deduct	*-101.35*	
		For >500, Deduct	*-145.28*	
26 51 19 00-0365	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,070.39	134.98
		For >50 To 100, Deduct	*-33.51*	
		For >100 To 250, Deduct	*-60.27*	
		For >250 To 500, Deduct	*-107.04*	
		For >500, Deduct	*-153.81*	
26 51 19 00-0366	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	956.67	134.98
		For >50 To 100, Deduct	*-30.67*	
		For >100 To 250, Deduct	*-54.58*	
		For >250 To 500, Deduct	*-95.67*	
		For >500, Deduct	*-136.75*	
26 51 19 00-0367	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	980.73	134.98
		For >50 To 100, Deduct	*-31.27*	
		For >100 To 250, Deduct	*-55.79*	
		For >250 To 500, Deduct	*-98.07*	
		For >500, Deduct	*-140.36*	
26 51 19 00-0368	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,111.94	134.98
		For >50 To 100, Deduct	*-34.55*	
		For >100 To 250, Deduct	*-62.35*	
		For >250 To 500, Deduct	*-111.19*	
		For >500, Deduct	*-160.04*	
26 51 19 00-0369	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,210.35	134.98
		For >50 To 100, Deduct	*-37.01*	
		For >100 To 250, Deduct	*-67.27*	
		For >250 To 500, Deduct	*-121.04*	
		For >500, Deduct	*-174.80*	
26 51 19 00-0370	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,059.46	134.98
		For >50 To 100, Deduct	*-33.24*	
		For >100 To 250, Deduct	*-59.72*	
		For >250 To 500, Deduct	*-105.95*	
		For >500, Deduct	*-152.17*	
26 51 19 00-0371	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,144.75	134.98
		For >50 To 100, Deduct	*-35.37*	
		For >100 To 250, Deduct	*-63.99*	
		For >250 To 500, Deduct	*-114.48*	
		For >500, Deduct	*-164.96*	
26 51 19 00-0372	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,658.68	134.98
		For >50 To 100, Deduct	*-48.22*	
		For >100 To 250, Deduct	*-89.68*	
		For >250 To 500, Deduct	*-165.87*	
		For >500, Deduct	*-242.05*	
26 51 19 00-0373	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,811.76	134.98
		For >50 To 100, Deduct	*-52.04*	
		For >100 To 250, Deduct	*-97.34*	
		For >250 To 500, Deduct	*-181.18*	
		For >500, Deduct	*-265.01*	
26 51 19 00-0374	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,249.15	134.98
		For >50 To 100, Deduct	*-62.98*	
		For >100 To 250, Deduct	*-119.21*	
		For >250 To 500, Deduct	*-224.92*	
		For >500, Deduct	*-330.62*	
26 51 19 00-0375		**LED High Bay Fixtures (Everlast EL-LED-CS)** *(26 51 19 00-0362)*		
26 51 19 00-0376	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	641.75	134.98
		For >50 To 100, Deduct	*-22.79*	
		For >100 To 250, Deduct	*-38.84*	
		For >250 To 500, Deduct	*-64.18*	
		For >500, Deduct	*-89.51*	
26 51 19 00-0377	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	936.99	134.98
		For >50 To 100, Deduct	*-30.17*	
		For >100 To 250, Deduct	*-53.60*	
		For >250 To 500, Deduct	*-93.70*	
		For >500, Deduct	*-133.80*	
26 51 19 00-0378	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,068.20	134.98
		For >50 To 100, Deduct	*-33.45*	
		For >100 To 250, Deduct	*-60.16*	
		For >250 To 500, Deduct	*-106.82*	
		For >500, Deduct	*-153.48*	
26 51 19 00-0379	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,221.29	134.98
		For >50 To 100, Deduct	*-37.28*	
		For >100 To 250, Deduct	*-67.81*	
		For >250 To 500, Deduct	*-122.13*	
		For >500, Deduct	*-176.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0380	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,319.70	134.98
		For >50 To 100, Deduct	*-39.74*	
		For >100 To 250, Deduct	*-72.73*	
		For >250 To 500, Deduct	*-131.97*	
		For >500, Deduct	*-191.21*	

26 51 19 00-0381 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0362)*

26 51 19 00-0382	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	838.57	134.98
		For >50 To 100, Deduct	*-27.71*	
		For >100 To 250, Deduct	*-48.68*	
		For >250 To 500, Deduct	*-83.86*	
		For >500, Deduct	*-119.04*	
26 51 19 00-0383	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	893.25	134.98
		For >50 To 100, Deduct	*-29.08*	
		For >100 To 250, Deduct	*-51.41*	
		For >250 To 500, Deduct	*-89.33*	
		For >500, Deduct	*-127.24*	
26 51 19 00-0384	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	969.79	134.98
		For >50 To 100, Deduct	*-30.99*	
		For >100 To 250, Deduct	*-55.24*	
		For >250 To 500, Deduct	*-96.98*	
		For >500, Deduct	*-138.72*	

26 51 19 00-0385 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0362)*

26 51 19 00-0386	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	851.70	134.98
		For >50 To 100, Deduct	*-28.04*	
		For >100 To 250, Deduct	*-49.33*	
		For >250 To 500, Deduct	*-85.17*	
		For >500, Deduct	*-121.01*	
26 51 19 00-0387	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,046.33	134.98
		For >50 To 100, Deduct	*-32.91*	
		For >100 To 250, Deduct	*-59.07*	
		For >250 To 500, Deduct	*-104.63*	
		For >500, Deduct	*-150.20*	
26 51 19 00-0388	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,297.83	134.98
		For >50 To 100, Deduct	*-39.20*	
		For >100 To 250, Deduct	*-71.64*	
		For >250 To 500, Deduct	*-129.78*	
		For >500, Deduct	*-187.93*	

26 51 19 00-0389 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0324)*

26 51 19 00-0390	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	478.03	132.52
		For >50 To 100, Deduct	*-16.99*	
		For >100 To 250, Deduct	*-28.94*	
		For >250 To 500, Deduct	*-47.80*	
		For >500, Deduct	*-66.66*	
26 51 19 00-0391	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	496.82	132.52
		For >50 To 100, Deduct	*-17.46*	
		For >100 To 250, Deduct	*-29.88*	
		For >250 To 500, Deduct	*-49.68*	
		For >500, Deduct	*-69.48*	
26 51 19 00-0392	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	539.10	132.52
		For >50 To 100, Deduct	*-18.52*	
		For >100 To 250, Deduct	*-32.00*	
		For >250 To 500, Deduct	*-53.91*	
		For >500, Deduct	*-75.82*	
26 51 19 00-0393	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	605.85	132.52
		For >50 To 100, Deduct	*-20.19*	
		For >100 To 250, Deduct	*-35.33*	
		For >250 To 500, Deduct	*-60.59*	
		For >500, Deduct	*-85.84*	
26 51 19 00-0394	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	660.19	132.52
		For >50 To 100, Deduct	*-21.55*	
		For >100 To 250, Deduct	*-38.05*	
		For >250 To 500, Deduct	*-66.02*	
		For >500, Deduct	*-93.99*	
26 51 19 00-0395	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	787.94	132.52
		For >50 To 100, Deduct	*-24.74*	
		For >100 To 250, Deduct	*-44.44*	
		For >250 To 500, Deduct	*-78.79*	
		For >500, Deduct	*-113.15*	
26 51 19 00-0396	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	951.03	132.52
		For >50 To 100, Deduct	*-28.82*	
		For >100 To 250, Deduct	*-52.59*	
		For >250 To 500, Deduct	*-95.10*	
		For >500, Deduct	*-137.61*	
26 51 19 00-0397	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,370.97	134.98
		For >50 To 100, Deduct	*-41.02*	
		For >100 To 250, Deduct	*-75.30*	
		For >250 To 500, Deduct	*-137.10*	
		For >500, Deduct	*-198.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 51 19 00-0398 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0324)*

26 51 19 00-0399	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	663.90	134.98
		For >50 To 100, Deduct	*-23.35*	
		For >100 To 250, Deduct	*-39.94*	
		For >250 To 500, Deduct	*-66.39*	
		For >500, Deduct	*-92.84*	
26 51 19 00-0400	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	715.34	134.98
		For >50 To 100, Deduct	*-24.63*	
		For >100 To 250, Deduct	*-42.52*	
		For >250 To 500, Deduct	*-71.53*	
		For >500, Deduct	*-100.55*	
26 51 19 00-0401	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	854.21	134.98
		For >50 To 100, Deduct	*-28.10*	
		For >100 To 250, Deduct	*-49.46*	
		For >250 To 500, Deduct	*-85.42*	
		For >500, Deduct	*-121.38*	
26 51 19 00-0402	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	909.76	134.98
		For >50 To 100, Deduct	*-29.49*	
		For >100 To 250, Deduct	*-52.24*	
		For >250 To 500, Deduct	*-90.98*	
		For >500, Deduct	*-129.71*	

26 51 19 00-0403 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0324)*

26 51 19 00-0404	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	779.84	134.98
		For >50 To 100, Deduct	*-26.25*	
		For >100 To 250, Deduct	*-45.74*	
		For >250 To 500, Deduct	*-77.98*	
		For >500, Deduct	*-110.23*	
26 51 19 00-0405	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	799.87	134.98
		For >50 To 100, Deduct	*-26.75*	
		For >100 To 250, Deduct	*-46.74*	
		For >250 To 500, Deduct	*-79.99*	
		For >500, Deduct	*-113.23*	
26 51 19 00-0406	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	807.94	134.98
		For >50 To 100, Deduct	*-26.95*	
		For >100 To 250, Deduct	*-47.15*	
		For >250 To 500, Deduct	*-80.79*	
		For >500, Deduct	*-114.44*	
26 51 19 00-0407	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	884.74	134.98
		For >50 To 100, Deduct	*-28.87*	
		For >100 To 250, Deduct	*-50.99*	
		For >250 To 500, Deduct	*-88.47*	
		For >500, Deduct	*-125.96*	
26 51 19 00-0408	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	974.20	134.98
		For >50 To 100, Deduct	*-31.10*	
		For >100 To 250, Deduct	*-55.46*	
		For >250 To 500, Deduct	*-97.42*	
		For >500, Deduct	*-139.38*	
26 51 19 00-0409	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	1,007.77	134.98
		For >50 To 100, Deduct	*-31.94*	
		For >100 To 250, Deduct	*-57.14*	
		For >250 To 500, Deduct	*-100.78*	
		For >500, Deduct	*-144.42*	

26 51 19 00-0410 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0324)*

26 51 19 00-0411 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0412	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	987.29	134.98
		For >50 To 100, Deduct	*-31.43*	
		For >100 To 250, Deduct	*-56.11*	
		For >250 To 500, Deduct	*-98.73*	
		For >500, Deduct	*-141.34*	
26 51 19 00-0413	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,109.75	134.98
		For >50 To 100, Deduct	*-34.49*	
		For >100 To 250, Deduct	*-62.24*	
		For >250 To 500, Deduct	*-110.98*	
		For >500, Deduct	*-159.71*	
26 51 19 00-0414	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,286.90	134.98
		For >50 To 100, Deduct	*-38.92*	
		For >100 To 250, Deduct	*-71.09*	
		For >250 To 500, Deduct	*-128.69*	
		For >500, Deduct	*-186.29*	
26 51 19 00-0415	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,459.67	134.98
		For >50 To 100, Deduct	*-43.24*	
		For >100 To 250, Deduct	*-79.73*	
		For >250 To 500, Deduct	*-145.97*	
		For >500, Deduct	*-212.20*	

26 51 19 00-0416 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0417	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,074.76	134.98
		For 480 Volt, Add	*61.39*	
		For >50 To 100, Deduct	*-33.62*	
		For >100 To 250, Deduct	*-60.49*	
		For >250 To 500, Deduct	*-107.48*	
		For >500, Deduct	*-154.46*	
26 51 19 00-0418	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,501.22	134.98
		For 480 Volt, Add	*77.79*	
		For >50 To 100, Deduct	*-44.28*	
		For >100 To 250, Deduct	*-81.81*	
		For >250 To 500, Deduct	*-150.12*	
		For >500, Deduct	*-218.43*	
26 51 19 00-0419	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,675.60	134.98
		For 480 Volt, Add	*123.44*	
		For >50 To 100, Deduct	*-73.64*	
		For >100 To 250, Deduct	*-140.53*	
		For >250 To 500, Deduct	*-267.56*	
		For >500, Deduct	*-394.59*	

26 51 19 00-0420 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0421	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	845.14	134.98
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-27.88*	
		For >100 To 250, Deduct	*-49.01*	
		For >250 To 500, Deduct	*-84.51*	
		For >500, Deduct	*-120.02*	
26 51 19 00-0422	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	904.18	134.98
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-29.35*	
		For >100 To 250, Deduct	*-51.96*	
		For >250 To 500, Deduct	*-90.42*	
		For >500, Deduct	*-128.88*	
26 51 19 00-0423	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,107.57	134.98
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-34.44*	
		For >100 To 250, Deduct	*-62.13*	
		For >250 To 500, Deduct	*-110.76*	
		For >500, Deduct	*-159.39*	
26 51 19 00-0424	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,254.09	134.98
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-38.10*	
		For >100 To 250, Deduct	*-69.45*	
		For >250 To 500, Deduct	*-125.41*	
		For >500, Deduct	*-181.36*	
26 51 19 00-0425	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,334.44	134.98
		For >50 To 100, Deduct	*-65.11*	
		For >100 To 250, Deduct	*-123.47*	
		For >250 To 500, Deduct	*-233.44*	
		For >500, Deduct	*-343.42*	
26 51 19 00-0426	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,526.89	134.98
		For >50 To 100, Deduct	*-69.92*	
		For >100 To 250, Deduct	*-133.09*	
		For >250 To 500, Deduct	*-252.69*	
		For >500, Deduct	*-372.28*	
26 51 19 00-0427	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,851.91	134.98
		For >50 To 100, Deduct	*-103.05*	
		For >100 To 250, Deduct	*-199.34*	
		For >250 To 500, Deduct	*-385.19*	
		For >500, Deduct	*-571.04*	

26 51 19 00-0428 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0429 Wet Location, LED Fixtures *(26 51 19 00-0428)*

26 51 19 00-0430 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0429)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0431	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	3,722.47	103.08
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-97.36*	
		For >100 To 250, Deduct	*-190.42*	
		For >250 To 500, Deduct	*-372.25*	
		For >500, Deduct	*-554.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0432	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	3,790.87	110.44
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-99.37*	
		For >100 To 250, Deduct	*-194.15*	
		For >250 To 500, Deduct	*-379.09*	
		For >500, Deduct	*-564.03*	
26 51 19 00-0433	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,286.26	117.80
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-112.07*	
		For >100 To 250, Deduct	*-219.22*	
		For >250 To 500, Deduct	*-428.63*	
		For >500, Deduct	*-638.03*	
26 51 19 00-0434	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,173.54	125.17
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-134.55*	
		For >100 To 250, Deduct	*-263.89*	
		For >250 To 500, Deduct	*-517.35*	
		For >500, Deduct	*-770.82*	
26 51 19 00-0435	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	6,620.60	132.52
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-171.04*	
		For >100 To 250, Deduct	*-336.55*	
		For >250 To 500, Deduct	*-662.06*	
		For >500, Deduct	*-987.57*	
26 51 19 00-0436	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	8,742.57	136.21
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-224.24*	
		For >100 To 250, Deduct	*-442.80*	
		For >250 To 500, Deduct	*-874.26*	
		For >500, Deduct	*-1,305.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0437	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	10,140.09	139.89
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-259.33*	
		For >100 To 250, Deduct	*-512.83*	
		For >250 To 500, Deduct	*-1,014.01*	
		For >500, Deduct	*-1,515.18*	
26 51 19 00-0438		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0429)* Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0439	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	3,340.98	110.44
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-88.13*	
		For >100 To 250, Deduct	*-171.65*	
		For >250 To 500, Deduct	*-334.10*	
		For >500, Deduct	*-496.55*	
26 51 19 00-0440	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	4,967.93	117.80
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-129.11*	
		For >100 To 250, Deduct	*-253.31*	
		For >250 To 500, Deduct	*-496.79*	
		For >500, Deduct	*-740.28*	
26 51 19 00-0441	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	5,482.04	125.17
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-142.27*	
		For >100 To 250, Deduct	*-279.32*	
		For >250 To 500, Deduct	*-548.20*	
		For >500, Deduct	*-817.09*	
26 51 19 00-0442	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	6,303.67	132.52
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-163.11*	
		For >100 To 250, Deduct	*-320.71*	
		For >250 To 500, Deduct	*-630.37*	
		For >500, Deduct	*-940.03*	
26 51 19 00-0443		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0429)* Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0444	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	2,294.85	103.08
		For 12/24 Volt DC Driver, Add	*51.38*	
		For Frosted Lens, Add	*104.99*	
		For 55 Degree Ambient Suitability (AC Only), Add	*69.95*	
		For Warm White Color Rendering, Add	*135.16*	
		For Ceiling Mount, Add	*159.62*	
		For Wall Mount, Add	*231.49*	
		For Teflon Coated Lens, Add	*222.85*	
		For Wall Mount With Junction Box, Add	*336.28*	
		For >50 To 100, Deduct	*-61.67*	
		For >100 To 250, Deduct	*-119.04*	
		For >250 To 500, Deduct	*-229.49*	
		For >500, Deduct	*-339.93*	
26 51 19 00-0445		Vaportight, LED Fixtures *(26 51 19 00-0428)*		
26 51 19 00-0446		General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0447	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	342.51	58.91
		For >50 To 100, Deduct	*-11.02*	
		For >100 To 250, Deduct	*-19.58*	
		For >250 To 500, Deduct	*-34.25*	
		For >500, Deduct	*-48.92*	
26 51 19 00-0448	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	357.09	58.91
		For >50 To 100, Deduct	*-11.38*	
		For >100 To 250, Deduct	*-20.31*	
		For >250 To 500, Deduct	*-35.71*	
		For >500, Deduct	*-51.11*	
26 51 19 00-0449	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	386.28	58.91
		For >50 To 100, Deduct	*-12.11*	
		For >100 To 250, Deduct	*-21.77*	
		For >250 To 500, Deduct	*-38.63*	
		For >500, Deduct	*-55.49*	
26 51 19 00-0450	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	346.96	73.63
		For >50 To 100, Deduct	*-11.74*	
		For >100 To 250, Deduct	*-20.42*	
		For >250 To 500, Deduct	*-34.70*	
		For >500, Deduct	*-48.98*	
26 51 19 00-0451	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	388.81	73.63
		For >50 To 100, Deduct	*-12.79*	
		For >100 To 250, Deduct	*-22.51*	
		For >250 To 500, Deduct	*-38.88*	
		For >500, Deduct	*-55.25*	
26 51 19 00-0452	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	542.13	73.63
		For >50 To 100, Deduct	*-16.62*	
		For >100 To 250, Deduct	*-30.17*	
		For >250 To 500, Deduct	*-54.21*	
		For >500, Deduct	*-78.25*	

26 51 19 00-0453 Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*

26 51 19 00-0454	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	371.69	58.91
		For >50 To 100, Deduct	*-11.75*	
		For >100 To 250, Deduct	*-21.04*	
		For >250 To 500, Deduct	*-37.17*	
		For >500, Deduct	*-53.30*	
26 51 19 00-0455	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	386.28	58.91
		For >50 To 100, Deduct	*-12.11*	
		For >100 To 250, Deduct	*-21.77*	
		For >250 To 500, Deduct	*-38.63*	
		For >500, Deduct	*-55.49*	
26 51 19 00-0456	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	415.46	58.91
		For >50 To 100, Deduct	*-12.84*	
		For >100 To 250, Deduct	*-23.23*	
		For >250 To 500, Deduct	*-41.55*	
		For >500, Deduct	*-59.86*	
26 51 19 00-0457	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	483.77	73.63
		For >50 To 100, Deduct	*-15.16*	
		For >100 To 250, Deduct	*-27.26*	
		For >250 To 500, Deduct	*-48.38*	
		For >500, Deduct	*-69.50*	
26 51 19 00-0458	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	542.13	73.63
		For >50 To 100, Deduct	*-16.62*	
		For >100 To 250, Deduct	*-30.17*	
		For >250 To 500, Deduct	*-54.21*	
		For >500, Deduct	*-78.25*	
26 51 19 00-0459	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	600.50	73.63
		For >50 To 100, Deduct	*-18.08*	
		For >100 To 250, Deduct	*-33.09*	
		For >250 To 500, Deduct	*-60.05*	
		For >500, Deduct	*-87.01*	

26 51 19 00-0460 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*

26 51 19 00-0461	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	371.69	58.91
		For >50 To 100, Deduct	*-11.75*	
		For >100 To 250, Deduct	*-21.04*	
		For >250 To 500, Deduct	*-37.17*	
		For >500, Deduct	*-53.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0462	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	387.39	58.91
		For >50 To 100, Deduct	*-12.14*	
		For >100 To 250, Deduct	*-21.82*	
		For >250 To 500, Deduct	*-38.74*	
		For >500, Deduct	*-55.65*	
26 51 19 00-0463	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	415.46	58.91
		For >50 To 100, Deduct	*-12.84*	
		For >100 To 250, Deduct	*-23.23*	
		For >250 To 500, Deduct	*-41.55*	
		For >500, Deduct	*-59.86*	
26 51 19 00-0464	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	483.77	73.63
		For >50 To 100, Deduct	*-15.16*	
		For >100 To 250, Deduct	*-27.26*	
		For >250 To 500, Deduct	*-48.38*	
		For >500, Deduct	*-69.50*	
26 51 19 00-0465	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	542.13	73.63
		For >50 To 100, Deduct	*-16.62*	
		For >100 To 250, Deduct	*-30.17*	
		For >250 To 500, Deduct	*-54.21*	
		For >500, Deduct	*-78.25*	
26 51 19 00-0466	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	600.50	73.63
		For >50 To 100, Deduct	*-18.08*	
		For >100 To 250, Deduct	*-33.09*	
		For >250 To 500, Deduct	*-60.05*	
		For >500, Deduct	*-87.01*	

26 51 19 00-0467 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0468 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0467)*

26 51 19 00-0469	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	134.09	49.08
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-13.41*	
		For >500, Deduct	*-18.27*	
26 51 19 00-0470	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	140.09	49.08
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.01*	
		For >500, Deduct	*-19.17*	
26 51 19 00-0471	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	146.10	49.08
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 500, Deduct	*-14.61*	
		For >500, Deduct	*-20.07*	
26 51 19 00-0472	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	152.10	49.08
		For >50 To 100, Deduct	*-5.64*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.21*	
		For >500, Deduct	*-20.97*	
26 51 19 00-0473	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	147.67	53.99
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 250, Deduct	*-9.41*	
		For >250 To 500, Deduct	*-14.77*	
		For >500, Deduct	*-20.13*	
26 51 19 00-0474	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	153.67	53.99
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.71*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-21.03*	
26 51 19 00-0475	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	159.67	53.99
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.97*	
		For >500, Deduct	*-21.93*	
26 51 19 00-0476	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	165.68	53.99
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.31*	
		For >250 To 500, Deduct	*-16.57*	
		For >500, Deduct	*-22.83*	
26 51 19 00-0477	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	177.68	53.99
		For >50 To 100, Deduct	*-6.47*	
		For >100 To 250, Deduct	*-10.91*	
		For >250 To 500, Deduct	*-17.77*	
		For >500, Deduct	*-24.63*	
26 51 19 00-0478	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	134.09	49.08
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-13.41*	
		For >500, Deduct	*-18.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0479	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	140.09	49.08
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.01*	
		For >500, Deduct	*-19.17*	
26 51 19 00-0480	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	146.09	49.08
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 500, Deduct	*-14.61*	
		For >500, Deduct	*-20.07*	
26 51 19 00-0481	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	152.10	49.08
		For >50 To 100, Deduct	*-5.64*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.21*	
		For >500, Deduct	*-20.97*	
26 51 19 00-0482	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	147.67	53.99
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 250, Deduct	*-9.41*	
		For >250 To 500, Deduct	*-14.77*	
		For >500, Deduct	*-20.13*	
26 51 19 00-0483	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	153.67	53.99
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.71*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-21.03*	
26 51 19 00-0484	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	159.67	53.99
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.97*	
		For >500, Deduct	*-21.93*	
26 51 19 00-0485	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	165.68	53.99
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.31*	
		For >250 To 500, Deduct	*-16.57*	
		For >500, Deduct	*-22.83*	
26 51 19 00-0486	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	177.68	53.99
		For >50 To 100, Deduct	*-6.47*	
		For >100 To 250, Deduct	*-10.91*	
		For >250 To 500, Deduct	*-17.77*	
		For >500, Deduct	*-24.63*	
26 51 19 00-0487	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	134.09	49.08
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-13.41*	
		For >500, Deduct	*-18.27*	
26 51 19 00-0488	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	140.09	49.08
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.01*	
		For >500, Deduct	*-19.17*	
26 51 19 00-0489	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	146.09	49.08
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 500, Deduct	*-14.61*	
		For >500, Deduct	*-20.07*	
26 51 19 00-0490	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	152.10	49.08
		For >50 To 100, Deduct	*-5.64*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.21*	
		For >500, Deduct	*-20.97*	
26 51 19 00-0491	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	147.67	53.99
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 250, Deduct	*-9.41*	
		For >250 To 500, Deduct	*-14.77*	
		For >500, Deduct	*-20.13*	
26 51 19 00-0492	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	153.67	53.99
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.71*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-21.03*	
26 51 19 00-0493	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	159.67	53.99
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.97*	
		For >500, Deduct	*-21.93*	
26 51 19 00-0494	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	165.68	53.99
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.31*	
		For >250 To 500, Deduct	*-16.57*	
		For >500, Deduct	*-22.83*	
26 51 19 00-0495	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	177.68	53.99
		For >50 To 100, Deduct	*-6.47*	
		For >100 To 250, Deduct	*-10.91*	
		For >250 To 500, Deduct	*-17.77*	
		For >500, Deduct	*-24.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0496	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	134.09	49.08
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-13.41*	
		For >500, Deduct	*-18.27*	
26 51 19 00-0497	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	140.09	49.08
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.01*	
		For >500, Deduct	*-19.17*	
26 51 19 00-0498	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	146.09	49.08
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 500, Deduct	*-14.61*	
		For >500, Deduct	*-20.07*	
26 51 19 00-0499	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	152.10	49.08
		For >50 To 100, Deduct	*-5.64*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.21*	
		For >500, Deduct	*-20.97*	
26 51 19 00-0500	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	147.67	53.99
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 250, Deduct	*-9.41*	
		For >250 To 500, Deduct	*-14.77*	
		For >500, Deduct	*-20.13*	
26 51 19 00-0501	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	153.67	53.99
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.71*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-21.03*	
26 51 19 00-0502	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	159.67	53.99
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.97*	
		For >500, Deduct	*-21.93*	
26 51 19 00-0503	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	165.68	53.99
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.31*	
		For >250 To 500, Deduct	*-16.57*	
		For >500, Deduct	*-22.83*	
26 51 19 00-0504	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	177.68	53.99
		For >50 To 100, Deduct	*-6.47*	
		For >100 To 250, Deduct	*-10.91*	
		For >250 To 500, Deduct	*-17.77*	
		For >500, Deduct	*-24.63*	
26 51 19 00-0505	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	183.90	58.28
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.39*	
		For >500, Deduct	*-25.38*	
26 51 19 00-0506	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	197.54	58.28
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.09*	
		For >250 To 500, Deduct	*-19.75*	
		For >500, Deduct	*-27.42*	
26 51 19 00-0507	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	194.21	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.92*	
26 51 19 00-0508	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	194.15	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.91*	
26 51 19 00-0509	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	209.54	58.28
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 250, Deduct	*-12.69*	
		For >250 To 500, Deduct	*-20.95*	
		For >500, Deduct	*-29.22*	
26 51 19 00-0510	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	204.58	58.28
		For >50 To 100, Deduct	*-7.32*	
		For >100 To 250, Deduct	*-12.44*	
		For >250 To 500, Deduct	*-20.46*	
		For >500, Deduct	*-28.48*	
26 51 19 00-0511	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	225.37	58.28
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 250, Deduct	*-13.48*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.60*	
26 51 19 00-0512	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	218.60	58.28
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.86*	
		For >500, Deduct	*-30.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0513	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	218.65	58.28
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.87*	
		For >500, Deduct	*-30.59*	
26 51 19 00-0514	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	183.90	58.28
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.39*	
		For >500, Deduct	*-25.38*	
26 51 19 00-0515	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	197.54	58.28
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.09*	
		For >250 To 500, Deduct	*-19.75*	
		For >500, Deduct	*-27.42*	
26 51 19 00-0516	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	194.21	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.92*	
26 51 19 00-0517	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	194.15	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.91*	
26 51 19 00-0518	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	209.54	58.28
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 250, Deduct	*-12.69*	
		For >250 To 500, Deduct	*-20.95*	
		For >500, Deduct	*-29.22*	
26 51 19 00-0519	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	204.58	58.28
		For >50 To 100, Deduct	*-7.32*	
		For >100 To 250, Deduct	*-12.44*	
		For >250 To 500, Deduct	*-20.46*	
		For >500, Deduct	*-28.48*	
26 51 19 00-0520	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	225.37	58.28
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 250, Deduct	*-13.48*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.60*	
26 51 19 00-0521	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	218.60	58.28
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.86*	
		For >500, Deduct	*-30.58*	
26 51 19 00-0522	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	218.65	58.28
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.87*	
		For >500, Deduct	*-30.59*	
26 51 19 00-0523	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	183.90	58.28
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.39*	
		For >500, Deduct	*-25.38*	
26 51 19 00-0524	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	197.54	58.28
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.09*	
		For >250 To 500, Deduct	*-19.75*	
		For >500, Deduct	*-27.42*	
26 51 19 00-0525	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	194.21	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.92*	
26 51 19 00-0526	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	194.15	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.91*	
26 51 19 00-0527	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	209.54	58.28
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 250, Deduct	*-12.69*	
		For >250 To 500, Deduct	*-20.95*	
		For >500, Deduct	*-29.22*	
26 51 19 00-0528	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	204.58	58.28
		For >50 To 100, Deduct	*-7.32*	
		For >100 To 250, Deduct	*-12.44*	
		For >250 To 500, Deduct	*-20.46*	
		For >500, Deduct	*-28.48*	
26 51 19 00-0529	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	225.37	58.28
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 250, Deduct	*-13.48*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0530	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	218.60	58.28
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.86*	
		For >500, Deduct	*-30.58*	
26 51 19 00-0531	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	218.65	58.28
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.87*	
		For >500, Deduct	*-30.59*	
26 51 19 00-0532	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	183.90	58.28
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.39*	
		For >500, Deduct	*-25.38*	
26 51 19 00-0533	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	197.54	58.28
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.09*	
		For >250 To 500, Deduct	*-19.75*	
		For >500, Deduct	*-27.42*	
26 51 19 00-0534	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	194.21	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.92*	
26 51 19 00-0535	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	194.15	58.28
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.91*	
26 51 19 00-0536	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	209.54	58.28
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 250, Deduct	*-12.69*	
		For >250 To 500, Deduct	*-20.95*	
		For >500, Deduct	*-29.22*	
26 51 19 00-0537	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	204.58	58.28
		For >50 To 100, Deduct	*-7.32*	
		For >100 To 250, Deduct	*-12.44*	
		For >250 To 500, Deduct	*-20.46*	
		For >500, Deduct	*-28.48*	
26 51 19 00-0538	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	225.37	58.28
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 250, Deduct	*-13.48*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.60*	
26 51 19 00-0539	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	218.60	58.28
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.86*	
		For >500, Deduct	*-30.58*	
26 51 19 00-0540	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	218.65	58.28
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-13.14*	
		For >250 To 500, Deduct	*-21.87*	
		For >500, Deduct	*-30.59*	

26 51 19 00-0541 Ceiling Mounted, LED Mushroom Fixtures (Mobern) *(26 51 19 00-0467)*

26 51 19 00-0542	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	200.52	53.99
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 250, Deduct	*-12.05*	
		For >250 To 500, Deduct	*-20.05*	
		For >500, Deduct	*-28.05*	

26 51 19 00-0543 Ceiling Mounted, LED Fixtures (Sylvania) *(26 51 19 00-0467)*

26 51 19 00-0544	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	732.67	58.28
		For >50 To 100, Deduct	*-20.53*	
		For >100 To 250, Deduct	*-38.84*	
		For >250 To 500, Deduct	*-73.27*	
		For >500, Deduct	*-107.69*	
26 51 19 00-0545	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	284.50	49.08
		For >50 To 100, Deduct	*-8.95*	
		For >100 To 250, Deduct	*-16.07*	
		For >250 To 500, Deduct	*-28.45*	
		For >500, Deduct	*-40.83*	
26 51 19 00-0546	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	353.79	57.18
		For >50 To 100, Deduct	*-10.99*	
		For >100 To 250, Deduct	*-19.84*	
		For >250 To 500, Deduct	*-35.38*	
		For >500, Deduct	*-50.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0547	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	357.88	57.18
		For >50 To 100, Deduct	*-11.09*	
		For >100 To 250, Deduct	*-20.04*	
		For >250 To 500, Deduct	*-35.79*	
		For >500, Deduct	*-51.53*	

26 51 19 00-0548 Refrigeration/Display LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0549 Refrigeration/Display LED Fixtures (Lithonia) *(26 51 19 00-0548)*

Note: Fixtures exclude driver.

26 51 19 00-0550	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	295.50	57.18
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 250, Deduct	*-16.92*	
		For >250 To 500, Deduct	*-29.55*	
		For >500, Deduct	*-42.18*	
26 51 19 00-0551	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	389.73	101.23
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 250, Deduct	*-23.32*	
		For >250 To 500, Deduct	*-38.97*	
		For >500, Deduct	*-54.62*	
26 51 19 00-0552	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	355.19	80.99
		For >50 To 100, Deduct	*-11.95*	
		For >100 To 250, Deduct	*-20.83*	
		For >250 To 500, Deduct	*-35.52*	
		For >500, Deduct	*-50.21*	

26 51 19 00-0553 Pendant Mount, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0554 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) *(26 51 19 00-0553)*

26 51 19 00-0555	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,689.27	125.17
		For >50 To 100, Deduct	*-72.45*	
		For >100 To 250, Deduct	*-139.68*	
		For >250 To 500, Deduct	*-268.93*	
		For >500, Deduct	*-398.18*	
26 51 19 00-0556	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,057.76	132.52
		For >50 To 100, Deduct	*-106.97*	
		For >100 To 250, Deduct	*-208.41*	
		For >250 To 500, Deduct	*-405.78*	
		For >500, Deduct	*-603.14*	
26 51 19 00-0557	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,180.24	139.89
		For >50 To 100, Deduct	*-135.34*	
		For >100 To 250, Deduct	*-264.84*	
		For >250 To 500, Deduct	*-518.02*	
		For >500, Deduct	*-771.21*	
26 51 19 00-0558	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,548.73	147.26
		For >50 To 100, Deduct	*-169.85*	
		For >100 To 250, Deduct	*-333.57*	
		For >250 To 500, Deduct	*-654.87*	
		For >500, Deduct	*-976.17*	
26 51 19 00-0559	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,851.93	125.17
		For >50 To 100, Deduct	*-76.51*	
		For >100 To 250, Deduct	*-147.81*	
		For >250 To 500, Deduct	*-285.19*	
		For >500, Deduct	*-422.57*	
26 51 19 00-0560	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,273.30	132.52
		For >50 To 100, Deduct	*-112.35*	
		For >100 To 250, Deduct	*-219.19*	
		For >250 To 500, Deduct	*-427.33*	
		For >500, Deduct	*-635.47*	
26 51 19 00-0561	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,397.81	139.89
		For >50 To 100, Deduct	*-140.77*	
		For >100 To 250, Deduct	*-275.72*	
		For >250 To 500, Deduct	*-539.78*	
		For >500, Deduct	*-803.84*	
26 51 19 00-0562	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,792.73	147.26
		For >50 To 100, Deduct	*-175.95*	
		For >100 To 250, Deduct	*-345.77*	
		For >250 To 500, Deduct	*-679.27*	
		For >500, Deduct	*-1,012.77*	

26 51 19 00-0563 Pendant Mount, LED Commercial Fixtures (DMF) *(26 51 19 00-0553)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0564		EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,043.81	73.63
			For >50 To 100, Deduct	*-29.16*	
			For >100 To 250, Deduct	*-55.26*	
			For >250 To 500, Deduct	*-104.38*	
			For >500, Deduct	*-153.50*	

26 51 19 00-0565 LED Track Lighting *(26 51 19 00-0001)*

26 51 19 00-0566 Track Lighting Tracks *(26 51 19 00-0565)*

26 51 19 00-0567		LF	1 Circuit Track Lighting Track	26.74	8.87
			For >50 To 100, Deduct	*-0.97*	
			For >100 To 250, Deduct	*-1.64*	
			For >250 To 500, Deduct	*-2.67*	
			For >500, Deduct	*-3.71*	
26 51 19 00-0568		LF	2 Circuit Track Lighting Track	34.51	8.87
			For >50 To 100, Deduct	*-1.20*	
			For >100 To 250, Deduct	*-2.06*	
			For >250 To 500, Deduct	*-3.45*	
			For >500, Deduct	*-4.84*	
26 51 19 00-0569		LF	3 Circuit Track Lighting Track	41.17	8.87
			For >50 To 100, Deduct	*-1.40*	
			For >100 To 250, Deduct	*-2.43*	
			For >250 To 500, Deduct	*-4.12*	
			For >500, Deduct	*-5.81*	
26 51 19 00-0570		LF	4 Circuit Track Lighting Track	47.82	10.74
			For >50 To 100, Deduct	*-1.60*	
			For >100 To 250, Deduct	*-2.79*	
			For >250 To 500, Deduct	*-4.78*	
			For >500, Deduct	*-6.77*	

26 51 19 00-0571 LED Track Lighting Fixtures *(26 51 19 00-0565)*

26 51 19 00-0572		EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	206.84	22.42
			For >50 To 100, Deduct	*-6.01*	
			For >100 To 250, Deduct	*-11.18*	
			For >250 To 500, Deduct	*-20.68*	
			For >500, Deduct	*-30.19*	
26 51 19 00-0573		EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	357.72	22.42
			For >50 To 100, Deduct	*-9.78*	
			For >100 To 250, Deduct	*-18.73*	
			For >250 To 500, Deduct	*-35.77*	
			For >500, Deduct	*-52.82*	
26 51 19 00-0574		EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	212.57	22.42
			For >50 To 100, Deduct	*-6.15*	
			For >100 To 250, Deduct	*-11.47*	
			For >250 To 500, Deduct	*-21.26*	
			For >500, Deduct	*-31.05*	

26 51 19 00-0575 Track Lighting Accessories *(26 51 19 00-0565)*

26 51 19 00-0576 Pendant Mounting *(26 51 19 00-0575)*

26 51 19 00-0577		EA	Track Lighting Pendant Mounting, Up to 12"	29.06	
			For >50 To 100, Deduct	*-1.23*	
			For >100 To 250, Deduct	*-1.96*	
			For >250 To 500, Deduct	*-2.91*	
			For >500, Deduct	*-3.86*	
26 51 19 00-0578		EA	Track Lighting Pendant Mounting, >12" To 24"	36.80	
			For >50 To 100, Deduct	*-1.49*	
			For >100 To 250, Deduct	*-2.41*	
			For >250 To 500, Deduct	*-3.68*	
			For >500, Deduct	*-4.95*	
26 51 19 00-0579		EA	Track Lighting Pendant Mounting, >24" To 36"	44.68	
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 250, Deduct	*-2.91*	
			For >250 To 500, Deduct	*-4.47*	
			For >500, Deduct	*-6.03*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0004		EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	503.40	143.18
			For Wire Guard, Add	*40.50*	
			For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005		EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	524.57	152.03
			For Wire Guard, Add	*40.50*	
			For Instant Quartz Restrike, Add	*60.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	550.54	173.53
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	512.39	143.18
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	528.39	152.03
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	563.47	173.53
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	508.15	130.81
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	522.31	138.91
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	553.89	158.54
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	502.27	130.81
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	515.62	138.91
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	558.15	158.54
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	467.74	138.91
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	505.07	158.54
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	736.84	166.76
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0025		**Metal Halide, High Bay Fixtures** *(26 51 23 00-0020)*		
		Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	435.42	138.91
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	477.73	158.54
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	624.73	166.76
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0029		**Induction, High Bay Fixtures** *(26 51 23 00-0020)*		
26 51 23 00-0030		**Induction, High Bay Fixtures (Everlast®)** *(26 51 23 00-0029)*		
		Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	508.88	121.49
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	544.85	125.54
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	555.10	129.59
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	603.40	133.64
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	618.80	137.69
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	544.88	121.49
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	580.86	125.54
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	591.10	129.59
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	639.41	133.64
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	654.81	137.69
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041		**Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0001)*		
		Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042		**High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	396.61	93.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	702.82	93.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	807.29	93.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,078.87	93.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0047		**Metal Halide, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	329.89	93.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	347.60	103.29
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	369.97	111.87
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	415.88	133.24
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0052		**High Pressure Sodium, Recessed Fixture Housings** *(26 51 23)*		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	172.96	38.68
		For ICAT Housing, Add	*14.86*	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	180.65	38.68
		For ICAT Housing, Add	*15.85*	
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	189.74	40.29
		For ICAT Housing, Add	*16.68*	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	196.62	42.03
		For ICAT Housing, Add	*17.22*	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	203.43	43.79
		For ICAT Housing, Add	*17.75*	
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	209.51	46.47
		For ICAT Housing, Add	*18.02*	
26 51 23 00-0059		**Metal Halide Track Lighting Fixtures** *(26 51 23)*		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	112.44	22.42
26 51 23 00-0061		**Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	182.05	53.73
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	187.25	53.73
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	197.79	53.73
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	213.64	53.73
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0066		**High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	169.70	53.73
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	176.15	53.73
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	201.07	53.73
		For Wall Mounted, Add	*6.67*	
26 51 33		**Interior Lighting Accessories** *(26 51)*		
26 51 33 00-0001		**Accessories And Modifiers For Fixtures** *(26 51 33)*		
26 51 33 00-0002		**Lens Modifications** *(26 51 33 00-0001)*		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	38.81	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	47.94	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	50.23	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	54.79	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	66.21	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.98	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	22.83	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.11	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	29.68	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0012		**Pendant Mounting Modifications** *(26 51 33 00-0001)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.35	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.09	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	25.71	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	30.36	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	38.35	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	52.05	
26 51 33 00-0019		**Fluorescent Light Accessories** *(26 51 33 00-0001)*		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	31.61	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	175.77	
26 51 33 00-0022		**Wire Guards** *(26 51 33 00-0001)*		
26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture	74.48	6.72
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture	104.52	10.76
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture	83.15	7.40
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture	118.08	11.43
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture	101.59	8.07
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture	138.95	12.10
26 51 33 00-0029		**Lighting Accessories** *(26 51 33)*		
26 51 33 00-0030		**Modular Flexible Wiring Systems** *(26 51 33 00-0029)*		
26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	107.68	7.25
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	127.09	7.25
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	153.64	7.25
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	127.09	7.25
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	106.51	7.25
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	159.98	7.25
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	87.05	7.25
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	98.87	7.25
26 51 33 00-0039	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	128.57	7.25
26 51 33 00-0040	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	128.57	7.25
26 51 33 00-0041	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	130.80	7.25
26 51 33 00-0042	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	129.98	7.25
26 51 33 00-0043	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	129.98	7.25
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	149.88	7.25
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	67.08	7.25
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	62.43	7.25
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	64.05	7.25
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	81.27	7.25
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	107.68	7.25
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	110.48	7.25
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	85.55	7.25
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	62.43	7.25
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	60.43	
26 51 33 00-0054		**Additional Lighting Wire Whips** *(26 51 33)*		
26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.90	
26 51 33 00-0056		**Removal And Reinstallation Of Light Fixtures** *(26 51 33)* Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	142.96	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	163.39	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001 **Commercial Emergency Lights** *(26 52 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0002		**Polycarbonate Housing, Commercial Emergency Lights** *(26 52 13 13-0001)*		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	258.68	33.58
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	178.18	33.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	283.53	33.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	331.22	33.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	495.11	33.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	561.64	33.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	820.84	33.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0010		**Remote Heads For Commercial Emergency Lights** *(26 52 13 13-0001)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	175.23	20.15
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	176.43	20.15
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	180.45	20.15
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	179.80	20.15
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	155.10	20.15
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	106.04	20.15
26 52 13 13-0017		**Industrial Emergency Lights** *(26 52 13 13)*		
26 52 13 13-0018		**Painted Steel Housing, Industrial Emergency Lights** *(26 52 13 13-0017)*		
26 52 13 13-0019		**Painted Steel Housing, Industrial Emergency Lights** *(26 52 13 13-0018)*		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	458.91	33.58
		For Wireguard, Add	*235.71*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	384.48	33.58
		For Wireguard, Add	*235.71*	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	602.02	33.58
		For Wireguard, Add	*235.71*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	639.56	33.58
		For Wireguard, Add	*235.71*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	914.89	33.58
		For Wireguard, Add	*251.06*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,441.59	33.58
		For Wireguard, Add	*251.06*	
26 52 13 13-0026		**Remote Heads For Painted Steel Housing, Industrial Emergency Lights** *(26 52 13 13-0018)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	134.31	20.15
		For Wireguard, Add	*190.22*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	138.99	20.15
		For Wireguard, Add	*190.22*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	134.97	20.15
		For Wireguard, Add	*190.22*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	135.73	20.15
		For Wireguard, Add	*190.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	138.99	20.15
		For Wireguard, Add	*190.22*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	162.72	20.15
		For Wireguard, Add	*190.22*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	452.93	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	492.65	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	481.77	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	509.52	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	861.02	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	675.47	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	757.09	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	798.44	33.58
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	

26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	116.36	20.15
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	125.83	20.15
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	116.47	20.15
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	123.43	20.15
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	105.54	20.15

26 52 13 13-0049 Outdoor Emergency Lights *(26 52 13 13)*

26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*

Note: Includes nickel-cadmium batteries.

26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	715.19	33.58
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	853.94	33.58

26 52 13 13-0053 Recessed Emergency Lights *(26 52 13 13)*

26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	779.67	33.58
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	613.38	67.15
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*251.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	882.29	67.15
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*251.06*	

26 52 13 13-0057 Square Wraparound Emergency Lights *(26 52 13 13)*

26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	355.54	33.58

26 52 13 16 Exit Signs *(26 52 13)*

Note: Excludes pendants.

26 52 13 16-0001 LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	208.23	49.09
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-12.87*	
		For >250 To 500, Deduct	*-20.82*	
		For >500, Deduct	*-28.78*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	208.23	49.09
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-12.87*	
		For >250 To 500, Deduct	*-20.82*	
		For >500, Deduct	*-28.78*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	290.54	49.09
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.72*	
		For >100 To 250, Deduct	*-16.98*	
		For >250 To 500, Deduct	*-29.05*	
		For >500, Deduct	*-41.13*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	290.54	49.09
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.72*	
		For >100 To 250, Deduct	*-16.98*	
		For >250 To 500, Deduct	*-29.05*	
		For >500, Deduct	*-41.13*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	319.96	49.09
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-10.45*	
		For >100 To 250, Deduct	*-18.45*	
		For >250 To 500, Deduct	*-32.00*	
		For >500, Deduct	*-45.54*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	362.87	49.09
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.53*	
		For >100 To 250, Deduct	*-20.60*	
		For >250 To 500, Deduct	*-36.29*	
		For >500, Deduct	*-51.98*	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	302.02	49.09
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.01*	
		For >100 To 250, Deduct	*-17.56*	
		For >250 To 500, Deduct	*-30.20*	
		For >500, Deduct	*-42.85*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	333.17	49.09
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.78*	
		For >100 To 250, Deduct	*-19.11*	
		For >250 To 500, Deduct	*-33.32*	
		For >500, Deduct	*-47.52*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4)	384.56	49.09
		Note: Includes two circular side mounted krypton emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-12.97*	
		For >100 To 250, Deduct	*-22.59*	
		For >250 To 500, Deduct	*-38.46*	
		For >500, Deduct	*-54.33*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)	329.37	49.09
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.59*	
		For >100 To 250, Deduct	*-19.83*	
		For >250 To 500, Deduct	*-32.94*	
		For >500, Deduct	*-46.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	481.73	49.09
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.40*	
		For >100 To 250, Deduct	*-27.44*	
		For >250 To 500, Deduct	*-48.17*	
		For >500, Deduct	*-68.90*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	504.34	49.09
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.97*	
		For >100 To 250, Deduct	*-28.57*	
		For >250 To 500, Deduct	*-50.43*	
		For >500, Deduct	*-72.29*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	138.89	49.09
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-9.40*	
		For >250 To 500, Deduct	*-13.89*	
		For >500, Deduct	*-18.38*	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	139.42	49.09
		For >50 To 100, Deduct	*-5.94*	
		For >100 To 250, Deduct	*-9.43*	
		For >250 To 500, Deduct	*-13.94*	
		For >500, Deduct	*-18.46*	

26 52 13 16-0016 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	285.30	49.09
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.59*	
		For >100 To 250, Deduct	*-16.72*	
		For >250 To 500, Deduct	*-28.53*	
		For >500, Deduct	*-40.34*	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	288.27	49.09
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 250, Deduct	*-16.87*	
		For >250 To 500, Deduct	*-28.83*	
		For >500, Deduct	*-40.79*	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	308.37	49.09
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.16*	
		For >100 To 250, Deduct	*-17.87*	
		For >250 To 500, Deduct	*-30.84*	
		For >500, Deduct	*-43.80*	
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	368.45	49.09
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.67*	
		For >100 To 250, Deduct	*-20.88*	
		For >250 To 500, Deduct	*-36.85*	
		For >500, Deduct	*-52.81*	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	607.47	49.09
		For >50 To 100, Deduct	*-17.64*	
		For >100 To 250, Deduct	*-32.83*	
		For >250 To 500, Deduct	*-60.75*	
		For >500, Deduct	*-88.67*	
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,116.22	49.09
		For >50 To 100, Deduct	*-30.36*	
		For >100 To 250, Deduct	*-58.27*	
		For >250 To 500, Deduct	*-111.62*	
		For >500, Deduct	*-164.98*	
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	723.37	49.09
		For >50 To 100, Deduct	*-20.54*	
		For >100 To 250, Deduct	*-38.62*	
		For >250 To 500, Deduct	*-72.34*	
		For >500, Deduct	*-106.05*	
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,209.27	49.09
		For >50 To 100, Deduct	*-32.69*	
		For >100 To 250, Deduct	*-62.92*	
		For >250 To 500, Deduct	*-120.93*	
		For >500, Deduct	*-178.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	665.15	49.09
		For >50 To 100, Deduct	*-19.08*	
		For >100 To 250, Deduct	*-35.71*	
		For >250 To 500, Deduct	*-66.52*	
		For >500, Deduct	*-97.32*	
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,209.27	49.09
		For >50 To 100, Deduct	*-32.69*	
		For >100 To 250, Deduct	*-62.92*	
		For >250 To 500, Deduct	*-120.93*	
		For >500, Deduct	*-178.94*	
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	815.87	49.09
		For >50 To 100, Deduct	*-22.85*	
		For >100 To 250, Deduct	*-43.25*	
		For >250 To 500, Deduct	*-81.59*	
		For >500, Deduct	*-119.93*	
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,500.91	49.09
		For >50 To 100, Deduct	*-39.98*	
		For >100 To 250, Deduct	*-77.50*	
		For >250 To 500, Deduct	*-150.09*	
		For >500, Deduct	*-222.68*	

26 52 13 16-0030 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	573.19	49.09
		For >50 To 100, Deduct	*-16.78*	
		For >100 To 250, Deduct	*-31.11*	
		For >250 To 500, Deduct	*-57.32*	
		For >500, Deduct	*-83.52*	
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	888.24	49.09
		For >50 To 100, Deduct	*-24.66*	
		For >100 To 250, Deduct	*-46.87*	
		For >250 To 500, Deduct	*-88.82*	
		For >500, Deduct	*-130.78*	
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,081.40	49.09
		For >50 To 100, Deduct	*-29.49*	
		For >100 To 250, Deduct	*-56.52*	
		For >250 To 500, Deduct	*-108.14*	
		For >500, Deduct	*-159.76*	

26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	100.73	
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-7.55*	
		For >250 To 500, Deduct	*-10.07*	
		For >500, Deduct	*-12.59*	

26 52 13 16-0036 Exit Sign Accessories *(26 52 13 16)*

26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	135.70	13.45
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 250, Deduct	*-7.46*	
		For >250 To 500, Deduct	*-13.57*	
		For >500, Deduct	*-19.68*	
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	79.39	13.45
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-7.94*	
		For >500, Deduct	*-11.24*	
26 52 13 16-0039	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	126.49	10.76
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-6.86*	
		For >250 To 500, Deduct	*-12.65*	
		For >500, Deduct	*-18.44*	
26 52 13 16-0040	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	135.80	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-7.63*	
		For >250 To 500, Deduct	*-13.58*	
		For >500, Deduct	*-19.53*	

26 54 Classified Location Lighting *(26 50)*

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0002		**Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV)** *(26 54 19 00-0001)* Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,798.17	110.44
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-74.56*	
		For >100 To 250, Deduct	*-144.51*	
		For >250 To 500, Deduct	*-279.82*	
		For >500, Deduct	*-415.12*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,426.75	117.80
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-90.58*	
		For >100 To 250, Deduct	*-176.25*	
		For >250 To 500, Deduct	*-342.68*	
		For >500, Deduct	*-509.10*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,870.48	125.17
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-101.98*	
		For >100 To 250, Deduct	*-198.74*	
		For >250 To 500, Deduct	*-387.05*	
		For >500, Deduct	*-575.36*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	4,326.51	132.52
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-113.68*	
		For >100 To 250, Deduct	*-221.85*	
		For >250 To 500, Deduct	*-432.65*	
		For >500, Deduct	*-643.45*	
26 54 19 00-0007		**Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)** *(26 54 19 00-0001)* Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,655.04	103.08
		For 12/24 Volt DC Driver, Add	*30.41*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Temperature LEDs, Add	*80.00*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*41.40*	
		For Stanchion Mount, Add	*256.35*	
		For Ceiling Mount, Add	*102.79*	
		For Wall Mount, Add	*150.05*	
		For Teflon Coated Lens, Add	*131.89*	
		For Wall Mount With Junction Box, Add	*219.09*	
		For >50 To 100, Deduct	*-45.67*	
		For >100 To 250, Deduct	*-87.05*	
		For >250 To 500, Deduct	*-165.50*	
		For >500, Deduct	*-243.96*	
26 54 19 00-0009		**Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV)** *(26 54 19 00-0001)* Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,629.86	103.08
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-70.04*	
		For >100 To 250, Deduct	*-135.79*	
		For >250 To 500, Deduct	*-262.99*	
		For >500, Deduct	*-390.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,912.88	110.44
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-77.42*	
		For >100 To 250, Deduct	*-150.25*	
		For >250 To 500, Deduct	*-291.29*	
		For >500, Deduct	*-432.33*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,263.82	117.80
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-86.50*	
		For >100 To 250, Deduct	*-168.10*	
		For >250 To 500, Deduct	*-326.38*	
		For >500, Deduct	*-484.66*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,251.98	125.17
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-111.51*	
		For >100 To 250, Deduct	*-217.81*	
		For >250 To 500, Deduct	*-425.20*	
		For >500, Deduct	*-632.58*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,878.29	132.52
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-127.48*	
		For >100 To 250, Deduct	*-249.44*	
		For >250 To 500, Deduct	*-487.83*	
		For >500, Deduct	*-726.22*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	6,155.83	110.44
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-158.50*	
		For >100 To 250, Deduct	*-312.39*	
		For >250 To 500, Deduct	*-615.58*	
		For >500, Deduct	*-918.77*	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	7,500.55	117.80
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-192.42*	
		For >100 To 250, Deduct	*-379.94*	
		For >250 To 500, Deduct	*-750.06*	
		For >500, Deduct	*-1,120.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	8,724.30	125.17
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-223.32*	
		For >100 To 250, Deduct	*-441.43*	
		For >250 To 500, Deduct	*-872.43*	
		For >500, Deduct	*-1,303.43*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	9,970.65	132.52
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-254.79*	
		For >100 To 250, Deduct	*-504.05*	
		For >250 To 500, Deduct	*-997.07*	
		For >500, Deduct	*-1,490.08*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	11,565.80	127.62
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-294.97*	
		For >100 To 250, Deduct	*-584.12*	
		For >250 To 500, Deduct	*-1,156.58*	
		For >500, Deduct	*-1,729.04*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001 Bollards *(26 55 13)*

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards *(26 55 13 00-0001)*

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.08	114.16
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,662.50	120.87
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,675.93	127.59
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,552.18	134.31

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,586.08	114.16
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.50	120.87
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,612.93	127.59
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,488.60	134.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,730.88	114.16
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,744.30	120.87
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,757.73	127.59
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,633.40	134.31
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,730.88	114.16
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,744.30	120.87
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,757.73	127.59
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,633.40	134.31
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,730.88	114.16
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,744.30	120.87
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,757.73	127.59
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,701.86	134.31
26 55 13 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,667.31	114.16
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,680.73	120.87
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,694.16	127.59
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,569.83	134.31
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,667.31	114.16
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,680.73	120.87
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,694.16	127.59
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,569.83	134.31
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,667.31	114.16
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,680.73	120.87
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,694.16	127.59
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,569.83	134.31
26 55 13 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.91	114.16
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.33	120.87
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,668.76	127.59
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,546.29	134.31
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.91	114.16
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.33	120.87
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,668.76	127.59
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,546.29	134.31
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.91	114.16
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,655.33	120.87
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,668.76	127.59
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,546.29	134.31
26 55 13 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.72	114.16
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,593.14	120.87
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,606.57	127.59
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.30	134.31
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.72	114.16
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,593.14	120.87
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,606.57	127.59
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.30	134.31
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,579.72	114.16
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,593.14	120.87
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,606.57	127.59
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.30	134.31
26 55 13 00-0092		LED, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0093		Square, LED, Aluminum Architectural Bollards *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,964.81	114.16
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,978.23	120.87
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,991.66	127.59
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,870.91	134.31
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,397.73	114.16
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,411.15	120.87
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,424.58	127.59
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,301.68	134.31
26 55 13 00-0102		Round, LED, Aluminum Architectural Bollards *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,900.23	114.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,913.65	120.87
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,927.08	127.59
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,804.18	134.31
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,333.15	114.16
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,346.57	120.87
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,360.00	127.59
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,237.87	134.31
26 55 13 00-0111		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,646.25	335.77
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,883.92	447.64
26 55 13 00-0114		**Low Voltage** *(26 55 13)*		
26 55 13 00-0115	EA	Low Voltage Recessed Uplight	857.88	244.44
26 55 13 00-0116	EA	Low Voltage Walkway	601.31	134.31
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	600.57	179.30
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	516.63	134.31
26 55 13 00-0119		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	992.32	214.89
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	1,083.05	214.89
26 55 13 00-0122		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	889.48	214.89
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	907.63	214.89
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	962.07	214.89
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	956.02	214.89
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	1,220.06	214.89
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	1,340.67	214.89
26 55 13 00-0129		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	462.19	134.31
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	444.04	134.31
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	715.50	179.30
26 55 13 00-0133		**Step Lights** *(26 55 13)*		
26 55 13 00-0134	EA	Incandescent Step Light	378.14	107.44
26 55 13 00-0135	EA	Fluorescent Step Light	438.70	107.44
26 55 13 00-0136	EA	5 Watt, LED Step Light	669.20	107.44
26 55 13 00-0137	EA	15 Watt, LED Step Light	797.85	107.44
26 55 13 00-0138		**Tree Lights, Surface Adjustable** *(26 55 13)*		
26 55 13 00-0139	EA	50 Watt Incandescent Tree Lights	794.14	179.30
26 55 13 00-0140	EA	100 Watt Incandescent Tree Lights	812.28	179.30
26 55 13 00-0141	EA	150 Watt Incandescent Tree Lights	1,021.14	268.62
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	430.54	124.91
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	663.05	196.35
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	700.85	203.48
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	753.32	211.26
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	807.40	228.33
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	721.80	211.26
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	723.69	196.35
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	738.70	203.48
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	579.27	139.95
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	610.80	139.95
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	642.32	139.95
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	725.06	157.54
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	550.97	125.71
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	603.91	196.35
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	636.57	203.48
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	680.92	211.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	730.71	228.33
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	656.30	211.26
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	651.29	196.35
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	666.14	203.48
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	513.77	139.95
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	538.39	139.95
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	563.02	139.95
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	635.42	157.54
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	535.00	125.71
26 55 16 00-0029		Walkway, Adjustable *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	623.00	179.30
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	638.55	179.30
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,086.74	268.62
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	517.46	134.31
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	538.20	134.31
26 55 16 00-0035		LED Walkway *(26 55 16)*		
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	991.90	103.08
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,023.44	103.08
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,079.11	103.08
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,121.78	103.08
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,291.48	132.52
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,629.65	
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,267.65	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,190.19	
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	644.41	89.32
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	717.00	89.32
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,750.62	134.31
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	674.66	89.32
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	759.34	89.32
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,945.02	201.46
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	399.20	110.34
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	402.77	110.34
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	408.72	110.34
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	540.82	110.34
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0010		**High Pressure Sodium P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	807.17	147.12
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	811.93	147.12
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	820.26	147.12
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	914.28	147.12
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	941.65	147.12
26 55 53 11-0016		**Metal Halide P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	798.84	147.12
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	840.50	147.12
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	861.92	147.12
26 55 53 11-0020		**PF-154 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		**High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	823.72	165.52
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	829.67	165.52
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	839.19	165.52
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	932.02	165.52
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	958.20	165.52
26 55 53 11-0027		**Metal Halide PF-154 GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	816.58	165.52
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	857.04	165.52
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	878.47	165.52
26 55 53 11-0031		**PF-400 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		**High Pressure Sodium PF-400 Series GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,104.58	165.52
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,187.89	165.52
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,181.94	165.52
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,211.69	165.52
26 55 53 11-0037		**Metal Halide PF-400 GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,135.53	165.52
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,160.52	165.52
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,186.70	165.52
26 55 53 11-0041		**PF-1000 (Large Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		**High Pressure Sodium PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,497.20	183.90
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,497.20	183.90
26 55 53 11-0045		**Metal Halide PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,428.18	183.90
26 55 53 11-0047		**HLU/VLU (Medium Size) FRP Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		**High Pressure Sodium HLU/VLU FRP Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,218.83	165.52
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,241.45	165.52
26 55 53 11-0051		**Metal Halide HLU/VLU Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,231.93	165.52
26 55 53 11-0053		**Accessories For Powerflood GE Flood Lights** *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	210.42	36.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	122.35	36.78
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	177.10	36.78
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	135.45	36.78
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	342.07	110.34
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	148.54	36.78
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	252.81	110.34
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	263.52	110.34
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	111.64	36.78
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	108.07	36.78
26 55 53 11-0064		Flood Lights (Lithonia Contour Series) *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	743.81	147.12
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	812.53	147.12
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	879.82	147.12
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	963.79	147.12
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	947.25	147.12
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	920.59	147.12
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	918.61	147.12
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	956.94	147.12
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,138.67	165.52
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,161.59	165.52
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,087.16	165.52
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,087.16	165.52
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,123.10	165.52
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,090.46	147.12
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,124.76	147.12
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,153.42	147.12
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,078.99	147.12
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,113.34	147.12
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,114.58	183.90
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,627.76	183.90
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,799.56	183.90
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	181.55	36.78
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	350.19	36.78
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	149.73	36.78
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	201.26	36.78
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	449.73	110.34
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	358.54	110.34
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	358.54	110.34
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	394.91	110.34
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	173.72	36.78
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	138.78	36.78

26 55 53 11-0110 Flood Lights (Eaton) *(26 55 53 11)*

26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,167.34	147.12
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*61.61*	
		For >50 To 100, Deduct	*-36.54*	
		For >100 To 250, Deduct	*-65.72*	
		For >250 To 500, Deduct	*-116.73*	
		For >500, Deduct	*-167.75*	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,452.45	162.84
		For >50 To 100, Deduct	*-44.45*	
		For >100 To 250, Deduct	*-80.76*	
		For >250 To 500, Deduct	*-145.25*	
		For >500, Deduct	*-209.73*	

26 55 53 11-0113 Flood Lights (Ruud) *(26 55 53 11)*

26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.

26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	489.64	110.34

26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	556.29	110.34
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	556.29	110.34
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	556.29	110.34

26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	420.62	110.34
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	437.28	110.34
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	442.04	110.34
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	446.80	110.34

26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.

26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	754.70	165.52
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	797.54	165.52
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	821.34	165.52

26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	745.17	165.52
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	749.94	165.52
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	764.22	165.52

26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	728.51	165.52

26 55 53 11-0141 FS (Square) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.

26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights *(26 55 53 11-0141)*

26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	880.85	165.52
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	885.61	165.52
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,498.40	183.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0146		**Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	880.85	165.52
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	885.61	165.52
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	899.89	165.52
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,341.30	183.90
26 55 53 11-0151		**MFS (Mini Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		**High Pressure Sodium MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	691.73	147.12
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	741.72	147.12
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	741.72	147.12
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	741.72	147.12
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	741.72	147.12
26 55 53 11-0158		**Metal Halide MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	758.38	147.12
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	758.38	147.12
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	758.38	147.12
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	732.20	147.12
26 55 53 11-0163		**MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		**High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights** *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	751.24	147.12
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	801.22	147.12
26 55 53 11-0170		**Metal Halide MCF/MPM/MPN Series Ruud Flood Lights** *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	817.88	147.12
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	817.88	147.12
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	817.88	147.12
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	791.70	147.12
26 55 53 11-0175		**CF (Cutoff Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		**High Pressure Sodium CF Series Ruud Flood Lights** *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	992.72	165.52
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	1,016.52	165.52
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,557.90	183.90
26 55 53 11-0180		**Metal Halide CF Series Ruud Flood Lights** *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	940.35	165.52
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	945.11	165.52
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	959.39	165.52
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,400.81	183.90
26 55 53 11-0185		**CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		**High Pressure Sodium CN Series Ruud Flood Lights** *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,281.80	183.90
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,529.34	183.90
26 55 53 11-0189		**Metal Halide CN Series Ruud Flood Lights** *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,224.67	183.90
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,372.24	183.90
26 55 53 11-0192		**PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		**High Pressure Sodium PM/PN Series Ruud Flood Lights** *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,026.04	165.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,049.84	165.52
26 55 53 11-0196		**Metal Halide PM/PN Series Ruud Flood Lights** *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	973.67	165.52
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	978.43	165.52
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	992.72	165.52
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,434.13	183.90
26 55 53 11-0201		**Accessories For Ruud Flood Lighting** *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	109.26	36.78
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	173.53	36.78
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	125.92	36.78
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	149.73	36.78
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	301.61	110.34
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	94.98	36.78
26 55 53 11-0208		**Flood Lights (Lumark)** *(26 55 53 11)*		
26 55 53 11-0209		**QZ Wedge Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	269.36	110.34
26 55 53 11-0211		**LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	339.57	110.34
26 55 53 11-0213		**Flood Lights (Kim Lighting)** *(26 55 53 11)*		
26 55 53 11-0214		**MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	562.83	47.07
		For >50 To 100, Deduct	*-16.42*	
		For >100 To 250, Deduct	*-30.50*	
		For >250 To 500, Deduct	*-56.28*	
		For >500, Deduct	*-82.07*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	694.93	47.07
		For >50 To 100, Deduct	*-19.73*	
		For >100 To 250, Deduct	*-37.10*	
		For >250 To 500, Deduct	*-69.49*	
		For >500, Deduct	*-101.89*	
26 55 53 11-0218		**Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)*		
		Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	857.23	47.07
		For >50 To 100, Deduct	*-23.78*	
		For >100 To 250, Deduct	*-45.22*	
		For >250 To 500, Deduct	*-85.72*	
		For >500, Deduct	*-126.23*	
26 55 53 11-0221		**Flood Lights (CREE® BetaLED®)** *(26 55 53 11)*		
26 55 53 11-0222		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,283.27	133.23
		For >50 To 100, Deduct	*-38.74*	
		For >100 To 250, Deduct	*-70.83*	
		For >250 To 500, Deduct	*-128.33*	
		For >500, Deduct	*-185.83*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,405.69	140.64
		For >50 To 100, Deduct	*-42.17*	
		For >100 To 250, Deduct	*-77.32*	
		For >250 To 500, Deduct	*-140.57*	
		For >500, Deduct	*-203.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0225		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,114.46	125.83
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-34.15*	
		For >100 To 250, Deduct	*-62.01*	
		For >250 To 500, Deduct	*-111.45*	
		For >500, Deduct	*-160.88*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,402.02	133.23
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-41.71*	
		For >100 To 250, Deduct	*-76.76*	
		For >250 To 500, Deduct	*-140.20*	
		For >500, Deduct	*-203.64*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,689.57	140.64
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-49.27*	
		For >100 To 250, Deduct	*-91.51*	
		For >250 To 500, Deduct	*-168.96*	
		For >500, Deduct	*-246.40*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,086.60	148.04
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-59.57*	
		For >100 To 250, Deduct	*-111.73*	
		For >250 To 500, Deduct	*-208.66*	
		For >500, Deduct	*-305.59*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,374.16	155.44
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-67.13*	
		For >100 To 250, Deduct	*-126.48*	
		For >250 To 500, Deduct	*-237.42*	
		For >500, Deduct	*-348.35*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,661.71	162.84
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-74.69*	
		For >100 To 250, Deduct	*-141.23*	
		For >250 To 500, Deduct	*-266.17*	
		For >500, Deduct	*-391.11*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,036.48	170.24
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-84.42*	
		For >100 To 250, Deduct	*-160.34*	
		For >250 To 500, Deduct	*-303.65*	
		For >500, Deduct	*-446.96*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,324.03	177.64
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-91.98*	
		For >100 To 250, Deduct	*-175.08*	
		For >250 To 500, Deduct	*-332.40*	
		For >500, Deduct	*-489.72*	
26 55 53 11-0234		Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,552.24	162.84
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*50.75*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For >50 To 100, Deduct	*-71.95*	
		For >100 To 250, Deduct	*-135.75*	
		For >250 To 500, Deduct	*-255.22*	
		For >500, Deduct	*-374.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	4,326.61	199.86
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*75.15*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-118.16*	
		For >100 To 250, Deduct	*-226.32*	
		For >250 To 500, Deduct	*-432.66*	
		For >500, Deduct	*-639.00*	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,497.56	162.84
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*39.25*	
		For Rotated Optics, Back Light Shield, Add	*39.25*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-45.58*	
		For >100 To 250, Deduct	*-83.02*	
		For >250 To 500, Deduct	*-149.76*	
		For >500, Deduct	*-216.49*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) Note: Type III, IV or V medium optics only.	1,600.96	162.84
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*39.25*	
		For Rotated Optics, Back Light Shield, Add	*39.25*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Type II Medium Or Type V Short Optics, Add	*364.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-48.17*	
		For >100 To 250, Deduct	*-88.19*	
		For >250 To 500, Deduct	*-160.10*	
		For >500, Deduct	*-232.00*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,054.11	199.86
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Front Facing Optics, Back Light Shield, Add	*47.56*	
		For Rotated Optics, Back Light Shield, Add	*47.56*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-61.35*	
		For >100 To 250, Deduct	*-112.70*	
		For >250 To 500, Deduct	*-205.41*	
		For >500, Deduct	*-298.12*	

26 55 53 11-0241 Flood Lights (PlanLED) *(26 55 53 11)*

26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*

26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	692.93	133.23
		For >50 To 100, Deduct	*-23.99*	
		For >100 To 250, Deduct	*-41.31*	
		For >250 To 500, Deduct	*-69.29*	
		For >500, Deduct	*-97.28*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	828.02	140.64
		For >50 To 100, Deduct	*-27.73*	
		For >100 To 250, Deduct	*-48.43*	
		For >250 To 500, Deduct	*-82.80*	
		For >500, Deduct	*-117.17*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	955.20	151.74
		For >50 To 100, Deduct	*-31.47*	
		For >100 To 250, Deduct	*-55.35*	
		For >250 To 500, Deduct	*-95.52*	
		For >500, Deduct	*-135.69*	

26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,937.14	296.09
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-63.23*	
		For >100 To 250, Deduct	*-111.66*	
		For >250 To 500, Deduct	*-193.71*	
		For >500, Deduct	*-275.77*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,997.80	296.09
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-89.75*	
		For >100 To 250, Deduct	*-164.69*	
		For >250 To 500, Deduct	*-299.78*	
		For >500, Deduct	*-434.87*	
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,280.97	296.09
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-146.83*	
		For >100 To 250, Deduct	*-278.85*	
		For >250 To 500, Deduct	*-528.10*	
		For >500, Deduct	*-777.34*	
26 55 53 11-0250		Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*		
26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,712.38	192.45
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*142.15*	
		For >50 To 100, Deduct	*-52.43*	
		For >100 To 250, Deduct	*-95.24*	
		For >250 To 500, Deduct	*-171.24*	
		For >500, Deduct	*-247.23*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,190.81	199.86
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*114.92*	
		For >50 To 100, Deduct	*-64.76*	
		For >100 To 250, Deduct	*-119.53*	
		For >250 To 500, Deduct	*-219.08*	
		For >500, Deduct	*-318.63*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,793.90	207.26
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*93.24*	
		For >50 To 100, Deduct	*-80.21*	
		For >100 To 250, Deduct	*-150.06*	
		For >250 To 500, Deduct	*-279.39*	
		For >500, Deduct	*-408.72*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,080.44	147.12
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,154.23	147.12
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,082.82	147.12

26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,146.35	147.12
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,111.39	147.12

26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,029.72	147.12
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,073.76	147.12

26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	910.71	147.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,455.55	183.90
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,476.97	183.90
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,448.41	183.90
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,476.97	183.90
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,080.78	165.52
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,164.09	165.52
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,509.75	220.68
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,704.93	220.68
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,714.45	220.68
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	3,011.98	220.68
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,888.21	220.68
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,756.22	220.68
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,631.14	220.68
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,754.91	220.68
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 61		**Theatrical Lighting** *(26 55)*		
26 55 61 00-0001		Stage Lighting *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	680.62	163.20
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	680.62	163.20
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	680.62	163.20
26 55 61 00-0005	EA	14" Scoop Floodlight (Altman #SC14)	702.04	163.20
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	557.15	163.20
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	902.83	163.20
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,342.70	163.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,819.45	163.20
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	509.17	163.20
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,788.11	163.20
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	3,037.48	163.20

26 55 68 Athletic Field Lighting *(26 55)*

26 55 68 00-0001 Sports Lighting System *(26 55 68)*
Note: Musco.

26 55 68 00-0002 Round Steel Tapered Poles *(26 55 68 00-0001)*
Note: With Internal wiring harness.

26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,268.84	706.18
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,136.60	853.29
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,790.63	926.86
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,334.11	963.64
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,954.32	1,000.42
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,125.92	1,221.10
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,807.75	1,294.66
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	11,141.11	1,471.21
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,649.60	1,655.10
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,015.95	1,839.23
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	15,286.40	2,055.61
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	16,664.63	2,308.05
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	18,689.48	2,776.88

26 55 68 00-0016 Steel Pole Brackets *(26 55 68 00-0001)*

26 55 68 00-0017	EA	Two Light Bracket	588.42	73.56
26 55 68 00-0018	EA	Three Light Bracket	741.25	102.99
26 55 68 00-0019	EA	Four Light Bracket	1,065.82	125.05
26 55 68 00-0020	EA	Five Light Bracket	1,215.32	147.12
26 55 68 00-0021	EA	Six Light Bracket	1,473.13	169.19
26 55 68 00-0022	EA	Seven Light Bracket	1,686.74	191.25
26 55 68 00-0023	EA	Eight Light Bracket	1,928.07	220.68
26 55 68 00-0024	EA	Nine Light Bracket	2,177.79	242.75

26 55 68 00-0025 Light Fixtures *(26 55 68 00-0001)*

26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,481.48	
		For 1,500 Watt Metal Halide Lamp, Add	*15.61*	

26 55 68 00-0027 Electrical Component Enclosure *(26 55 68 00-0001)*
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.

26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	1,057.28	87.30
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,586.76	134.31
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,820.40	167.89
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,353.27	188.03
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,645.77	201.46

26 55 68 00-0033 Accessories *(26 55 68 00-0001)*

26 55 68 00-0034	EA	Time Delay Kit (Musco®)	1,088.95	269.01
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,190.81	269.01
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,631.55	269.01
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	12,632.64	807.03
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,370.48	134.31
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,639.08	268.62

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001 Poles And Standards *(26 56 13)*
See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.

26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*
Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*		
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,776.18	441.36
		For Galvanized Finish, Add	*56.80*	
		For >10 To 20, Deduct	*-69.40*	
		For >20 To 40, Deduct	*-138.81*	
		For >40, Deduct	*-230.28*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,780.86	441.36
		For Galvanized Finish, Add	*56.94*	
		For >10 To 20, Deduct	*-69.52*	
		For >20 To 40, Deduct	*-139.04*	
		For >40, Deduct	*-230.63*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,102.83	588.48
		For Galvanized Finish, Add	*57.78*	
		For >10 To 20, Deduct	*-77.57*	
		For >20 To 40, Deduct	*-155.14*	
		For >40, Deduct	*-262.14*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,159.10	588.48
		For Galvanized Finish, Add	*59.46*	
		For >10 To 20, Deduct	*-78.98*	
		For >20 To 40, Deduct	*-157.96*	
		For >40, Deduct	*-266.36*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,215.38	588.48
		For Galvanized Finish, Add	*61.15*	
		For >10 To 20, Deduct	*-80.38*	
		For >20 To 40, Deduct	*-160.77*	
		For >40, Deduct	*-270.58*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,374.35	662.04
		For Galvanized Finish, Add	*61.51*	
		For >10 To 20, Deduct	*-84.36*	
		For >20 To 40, Deduct	*-168.72*	
		For >40, Deduct	*-286.18*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,401.03	662.04
		For Galvanized Finish, Add	*62.31*	
		For >10 To 20, Deduct	*-85.03*	
		For >20 To 40, Deduct	*-170.05*	
		For >40, Deduct	*-288.18*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,406.11	662.04
		For Galvanized Finish, Add	*62.46*	
		For >10 To 20, Deduct	*-85.15*	
		For >20 To 40, Deduct	*-170.31*	
		For >40, Deduct	*-288.56*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,574.40	698.82
		For Galvanized Finish, Add	*65.30*	
		For >10 To 20, Deduct	*-89.36*	
		For >20 To 40, Deduct	*-178.72*	
		For >40, Deduct	*-303.02*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,594.56	698.82
		For Galvanized Finish, Add	*65.91*	
		For >10 To 20, Deduct	*-89.86*	
		For >20 To 40, Deduct	*-179.73*	
		For >40, Deduct	*-304.53*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,616.57	698.82
		For Galvanized Finish, Add	*66.57*	
		For >10 To 20, Deduct	*-90.41*	
		For >20 To 40, Deduct	*-180.83*	
		For >40, Deduct	*-306.18*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,084.37	735.60
		For Galvanized Finish, Add	*78.39*	
		For >10 To 20, Deduct	*-102.11*	
		For >20 To 40, Deduct	*-204.22*	
		For >40, Deduct	*-343.11*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,091.55	735.60
		For Galvanized Finish, Add	*78.61*	
		For >10 To 20, Deduct	*-102.29*	
		For >20 To 40, Deduct	*-204.58*	
		For >40, Deduct	*-343.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,098.64	735.60
		For Galvanized Finish, Add	*78.82*	
		For >10 To 20, Deduct	*-102.47*	
		For >20 To 40, Deduct	*-204.93*	
		For >40, Deduct	*-344.18*	
26 56 13 00-0021		**Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms** *(26 56 13 00-0005)*		
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,434.03	514.92
		For Galvanized Finish, Add	*72.13*	
		For >10 To 20, Deduct	*-85.85*	
		For >20 To 40, Deduct	*-171.70*	
		For >40, Deduct	*-283.30*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,500.88	533.31
		For Galvanized Finish, Add	*73.03*	
		For >10 To 20, Deduct	*-87.52*	
		For >20 To 40, Deduct	*-175.04*	
		For >40, Deduct	*-289.23*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,560.32	551.70
		For Galvanized Finish, Add	*73.71*	
		For >10 To 20, Deduct	*-89.01*	
		For >20 To 40, Deduct	*-178.02*	
		For >40, Deduct	*-294.61*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,533.33	662.04
		For Galvanized Finish, Add	*66.28*	
		For >10 To 20, Deduct	*-88.33*	
		For >20 To 40, Deduct	*-176.67*	
		For >40, Deduct	*-298.10*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,582.04	680.43
		For Galvanized Finish, Add	*66.64*	
		For >10 To 20, Deduct	*-89.55*	
		For >20 To 40, Deduct	*-179.10*	
		For >40, Deduct	*-302.67*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,623.66	698.82
		For Galvanized Finish, Add	*66.78*	
		For >10 To 20, Deduct	*-90.59*	
		For >20 To 40, Deduct	*-181.18*	
		For >40, Deduct	*-306.72*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,827.84	735.60
		For Galvanized Finish, Add	*70.70*	
		For >10 To 20, Deduct	*-95.70*	
		For >20 To 40, Deduct	*-191.39*	
		For >40, Deduct	*-323.87*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,871.86	753.99
		For Galvanized Finish, Add	*70.92*	
		For >10 To 20, Deduct	*-96.80*	
		For >20 To 40, Deduct	*-193.59*	
		For >40, Deduct	*-328.09*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,913.24	772.38
		For Galvanized Finish, Add	*71.05*	
		For >10 To 20, Deduct	*-97.83*	
		For >20 To 40, Deduct	*-195.66*	
		For >40, Deduct	*-332.11*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,055.78	772.38
		For Galvanized Finish, Add	*75.33*	
		For >10 To 20, Deduct	*-101.39*	
		For >20 To 40, Deduct	*-202.79*	
		For >40, Deduct	*-342.80*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,123.76	790.77
		For Galvanized Finish, Add	*76.27*	
		For >10 To 20, Deduct	*-103.09*	
		For >20 To 40, Deduct	*-206.19*	
		For >40, Deduct	*-348.82*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,190.12	809.16
		For Galvanized Finish, Add	*77.15*	
		For >10 To 20, Deduct	*-104.75*	
		For >20 To 40, Deduct	*-209.51*	
		For >40, Deduct	*-354.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,538.00	809.16
		For Galvanized Finish, Add	*87.59*	
		For >10 To 20, Deduct	*-113.45*	
		For >20 To 40, Deduct	*-226.90*	
		For >40, Deduct	*-380.81*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,579.46	827.55
		For Galvanized Finish, Add	*87.73*	
		For >10 To 20, Deduct	*-114.49*	
		For >20 To 40, Deduct	*-228.97*	
		For >40, Deduct	*-384.84*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,621.08	845.94
		For Galvanized Finish, Add	*87.88*	
		For >10 To 20, Deduct	*-115.53*	
		For >20 To 40, Deduct	*-231.05*	
		For >40, Deduct	*-388.88*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,122.43	735.60
		For Galvanized Finish, Add	*79.54*	
		For >10 To 20, Deduct	*-103.06*	
		For >20 To 40, Deduct	*-206.12*	
		For >40, Deduct	*-345.96*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,200.73	772.38
		For Galvanized Finish, Add	*79.68*	
		For >10 To 20, Deduct	*-105.02*	
		For >20 To 40, Deduct	*-210.04*	
		For >40, Deduct	*-353.67*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,286.14	809.16
		For Galvanized Finish, Add	*80.03*	
		For >10 To 20, Deduct	*-107.15*	
		For >20 To 40, Deduct	*-214.31*	
		For >40, Deduct	*-361.92*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,388.37	809.16
		For Galvanized Finish, Add	*83.10*	
		For >10 To 20, Deduct	*-109.71*	
		For >20 To 40, Deduct	*-219.42*	
		For >40, Deduct	*-369.59*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,468.94	845.94
		For Galvanized Finish, Add	*83.31*	
		For >10 To 20, Deduct	*-111.72*	
		For >20 To 40, Deduct	*-223.45*	
		For >40, Deduct	*-377.47*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,547.26	882.72
		For Galvanized Finish, Add	*83.45*	
		For >10 To 20, Deduct	*-113.68*	
		For >20 To 40, Deduct	*-227.36*	
		For >40, Deduct	*-385.18*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,656.55	845.94
		For Galvanized Finish, Add	*88.94*	
		For >10 To 20, Deduct	*-116.41*	
		For >20 To 40, Deduct	*-232.83*	
		For >40, Deduct	*-391.54*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,734.87	882.72
		For Galvanized Finish, Add	*89.08*	
		For >10 To 20, Deduct	*-118.37*	
		For >20 To 40, Deduct	*-236.74*	
		For >40, Deduct	*-399.25*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,813.18	919.50
		For Galvanized Finish, Add	*89.23*	
		For >10 To 20, Deduct	*-120.33*	
		For >20 To 40, Deduct	*-240.66*	
		For >40, Deduct	*-406.96*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,991.64	882.72
		For Galvanized Finish, Add	*96.79*	
		For >10 To 20, Deduct	*-124.79*	
		For >20 To 40, Deduct	*-249.58*	
		For >40, Deduct	*-418.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,069.72	919.50
		For Galvanized Finish, Add	*96.92*	
		For >10 To 20, Deduct	*-126.74*	
		For >20 To 40, Deduct	*-253.49*	
		For >40, Deduct	*-426.20*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,152.79	956.28
		For Galvanized Finish, Add	*97.21*	
		For >10 To 20, Deduct	*-128.82*	
		For >20 To 40, Deduct	*-257.64*	
		For >40, Deduct	*-434.27*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,578.39	809.16
		For Galvanized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-114.46*	
		For >20 To 40, Deduct	*-228.92*	
		For >40, Deduct	*-383.84*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,695.83	864.33
		For Galvanized Finish, Add	*89.02*	
		For >10 To 20, Deduct	*-117.40*	
		For >20 To 40, Deduct	*-234.79*	
		For >40, Deduct	*-395.40*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,810.84	919.50
		For Galvanized Finish, Add	*89.16*	
		For >10 To 20, Deduct	*-120.27*	
		For >20 To 40, Deduct	*-240.54*	
		For >40, Deduct	*-406.79*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,873.45	882.72
		For Galvanized Finish, Add	*93.24*	
		For >10 To 20, Deduct	*-121.84*	
		For >20 To 40, Deduct	*-243.67*	
		For >40, Deduct	*-409.64*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,988.79	937.89
		For Galvanized Finish, Add	*93.39*	
		For >10 To 20, Deduct	*-124.72*	
		For >20 To 40, Deduct	*-249.44*	
		For >40, Deduct	*-421.05*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,076.72	993.06
		For Galvanized Finish, Add	*92.72*	
		For >10 To 20, Deduct	*-126.92*	
		For >20 To 40, Deduct	*-253.84*	
		For >40, Deduct	*-430.41*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,217.01	919.50
		For Galvanized Finish, Add	*101.34*	
		For >10 To 20, Deduct	*-130.43*	
		For >20 To 40, Deduct	*-260.85*	
		For >40, Deduct	*-437.25*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,364.44	974.67
		For Galvanized Finish, Add	*102.45*	
		For >10 To 20, Deduct	*-134.11*	
		For >20 To 40, Deduct	*-268.22*	
		For >40, Deduct	*-451.07*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,449.70	1,029.84
		For Galvanized Finish, Add	*101.70*	
		For >10 To 20, Deduct	*-136.24*	
		For >20 To 40, Deduct	*-272.49*	
		For >40, Deduct	*-460.22*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,445.04	956.28
		For Galvanized Finish, Add	*105.97*	
		For >10 To 20, Deduct	*-136.13*	
		For >20 To 40, Deduct	*-272.25*	
		For >40, Deduct	*-456.19*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,560.06	1,011.45
		For Galvanized Finish, Add	*106.11*	
		For >10 To 20, Deduct	*-139.00*	
		For >20 To 40, Deduct	*-278.00*	
		For >40, Deduct	*-467.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,677.50	1,066.62
		For Galvanized Finish, Add	*106.33*	
		For >10 To 20, Deduct	*-141.94*	
		For >20 To 40, Deduct	*-283.88*	
		For >40, Deduct	*-479.14*	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,276.97	588.48
		For Galvanized Finish, Add	*63.00*	
		For >10 To 20, Deduct	*-81.92*	
		For >20 To 40, Deduct	*-163.85*	
		For >40, Deduct	*-275.20*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,705.54	662.04
		For Galvanized Finish, Add	*71.44*	
		For >10 To 20, Deduct	*-92.64*	
		For >20 To 40, Deduct	*-185.28*	
		For >40, Deduct	*-311.02*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,818.28	698.82
		For Galvanized Finish, Add	*72.62*	
		For >10 To 20, Deduct	*-95.46*	
		For >20 To 40, Deduct	*-190.91*	
		For >40, Deduct	*-321.31*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,492.96	735.60
		For Galvanized Finish, Add	*90.65*	
		For >10 To 20, Deduct	*-112.32*	
		For >20 To 40, Deduct	*-224.65*	
		For >40, Deduct	*-373.75*	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,117.60	588.48
		For Galvanized Finish, Add	*88.22*	
		For >10 To 20, Deduct	*-102.94*	
		For >20 To 40, Deduct	*-205.88*	
		For >40, Deduct	*-338.24*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,153.64	588.48
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-103.84*	
		For >20 To 40, Deduct	*-207.68*	
		For >40, Deduct	*-340.95*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,170.09	588.48
		For Galvanized Finish, Add	*89.79*	
		For >10 To 20, Deduct	*-104.25*	
		For >20 To 40, Deduct	*-208.50*	
		For >40, Deduct	*-342.18*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,300.76	662.04
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-107.52*	
		For >20 To 40, Deduct	*-215.04*	
		For >40, Deduct	*-355.66*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,307.05	662.04
		For Galvanized Finish, Add	*89.49*	
		For >10 To 20, Deduct	*-107.68*	
		For >20 To 40, Deduct	*-215.35*	
		For >40, Deduct	*-356.13*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,372.03	662.04
		For Galvanized Finish, Add	*91.44*	
		For >10 To 20, Deduct	*-109.30*	
		For >20 To 40, Deduct	*-218.60*	
		For >40, Deduct	*-361.00*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,395.69	698.82
		For Galvanized Finish, Add	*89.94*	
		For >10 To 20, Deduct	*-109.89*	
		For >20 To 40, Deduct	*-219.78*	
		For >40, Deduct	*-364.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,433.74	698.82
		For Galvanized Finish, Add	*91.08*	
		For >10 To 20, Deduct	*-110.84*	
		For >20 To 40, Deduct	*-221.69*	
		For >40, Deduct	*-367.47*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,633.28	698.82
		For Galvanized Finish, Add	*97.07*	
		For >10 To 20, Deduct	*-115.83*	
		For >20 To 40, Deduct	*-231.66*	
		For >40, Deduct	*-382.44*	
26 56 13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*		
26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,370.60	735.60
		For Galvanized Finish, Add	*116.98*	
		For >10 To 20, Deduct	*-134.27*	
		For >20 To 40, Deduct	*-268.53*	
		For >40, Deduct	*-439.58*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,478.65	772.38
		For Galvanized Finish, Add	*118.02*	
		For >10 To 20, Deduct	*-136.97*	
		For >20 To 40, Deduct	*-273.93*	
		For >40, Deduct	*-449.52*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,687.65	809.16
		For Galvanized Finish, Add	*122.08*	
		For >10 To 20, Deduct	*-142.19*	
		For >20 To 40, Deduct	*-284.38*	
		For >40, Deduct	*-467.03*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,497.71	809.16
		For Galvanized Finish, Add	*116.38*	
		For >10 To 20, Deduct	*-137.44*	
		For >20 To 40, Deduct	*-274.89*	
		For >40, Deduct	*-452.79*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,749.52	845.94
		For Galvanized Finish, Add	*121.73*	
		For >10 To 20, Deduct	*-143.74*	
		For >20 To 40, Deduct	*-287.48*	
		For >40, Deduct	*-473.51*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,910.80	882.72
		For Galvanized Finish, Add	*124.36*	
		For >10 To 20, Deduct	*-147.77*	
		For >20 To 40, Deduct	*-295.54*	
		For >40, Deduct	*-487.45*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,670.84	845.94
		For Galvanized Finish, Add	*119.37*	
		For >10 To 20, Deduct	*-141.77*	
		For >20 To 40, Deduct	*-283.54*	
		For >40, Deduct	*-467.61*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,998.68	882.72
		For Galvanized Finish, Add	*127.00*	
		For >10 To 20, Deduct	*-149.97*	
		For >20 To 40, Deduct	*-299.93*	
		For >40, Deduct	*-494.04*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,202.84	919.50
		For Galvanized Finish, Add	*130.92*	
		For >10 To 20, Deduct	*-155.07*	
		For >20 To 40, Deduct	*-310.14*	
		For >40, Deduct	*-511.19*	
26 56 13 00-0090		Aluminum Roadway Light Poles *(26 56 13 00-0002)*		
		Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091		Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*		
26 56 13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*		
26 56 13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,603.11	441.36
		For >10 To 20, Deduct	*-65.08*	
		For >20 To 40, Deduct	*-130.16*	
		For >40, Deduct	*-217.30*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,623.93	441.36
		For >10 To 20, Deduct	*-65.60*	
		For >20 To 40, Deduct	*-131.20*	
		For >40, Deduct	*-218.86*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,211.70	588.48
		For >10 To 20, Deduct	*-80.29*	
		For >20 To 40, Deduct	*-160.59*	
		For >40, Deduct	*-270.30*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,251.05	588.48
		For >10 To 20, Deduct	*-81.28*	
		For >20 To 40, Deduct	*-162.55*	
		For >40, Deduct	*-273.25*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,287.24	588.48
		For >10 To 20, Deduct	*-82.18*	
		For >20 To 40, Deduct	*-164.36*	
		For >40, Deduct	*-275.97*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,680.78	662.04
		For >10 To 20, Deduct	*-92.02*	
		For >20 To 40, Deduct	*-184.04*	
		For >40, Deduct	*-309.16*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,713.98	662.04
		For >10 To 20, Deduct	*-92.85*	
		For >20 To 40, Deduct	*-185.70*	
		For >40, Deduct	*-311.65*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,751.11	662.04
		For >10 To 20, Deduct	*-93.78*	
		For >20 To 40, Deduct	*-187.56*	
		For >40, Deduct	*-314.44*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,279.60	698.82
		For >10 To 20, Deduct	*-106.99*	
		For >20 To 40, Deduct	*-213.98*	
		For >40, Deduct	*-355.91*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,312.72	698.82
		For >10 To 20, Deduct	*-107.82*	
		For >20 To 40, Deduct	*-215.64*	
		For >40, Deduct	*-358.40*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,340.46	698.82
		For >10 To 20, Deduct	*-108.51*	
		For >20 To 40, Deduct	*-217.02*	
		For >40, Deduct	*-360.48*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,986.66	514.92
		For >10 To 20, Deduct	*-74.67*	
		For >20 To 40, Deduct	*-149.33*	
		For >40, Deduct	*-249.75*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,190.74	514.92
		For >10 To 20, Deduct	*-79.77*	
		For >20 To 40, Deduct	*-159.54*	
		For >40, Deduct	*-265.05*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,304.07	551.70
		For >10 To 20, Deduct	*-82.60*	
		For >20 To 40, Deduct	*-165.20*	
		For >40, Deduct	*-275.39*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,584.07	662.04
		For >10 To 20, Deduct	*-89.60*	
		For >20 To 40, Deduct	*-179.20*	
		For >40, Deduct	*-301.91*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,750.76	680.43
		For >10 To 20, Deduct	*-93.77*	
		For >20 To 40, Deduct	*-187.54*	
		For >40, Deduct	*-315.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,987.70	698.82
		For >10 To 20, Deduct	*-99.69*	
		For >20 To 40, Deduct	*-199.39*	
		For >40, Deduct	*-334.02*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,124.68	735.60
		For >10 To 20, Deduct	*-103.12*	
		For >20 To 40, Deduct	*-206.23*	
		For >40, Deduct	*-346.13*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,281.97	753.99
		For >10 To 20, Deduct	*-107.05*	
		For >20 To 40, Deduct	*-214.10*	
		For >40, Deduct	*-358.85*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,472.22	772.38
		For >10 To 20, Deduct	*-111.81*	
		For >20 To 40, Deduct	*-223.61*	
		For >40, Deduct	*-374.04*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,652.74	772.38
		For >10 To 20, Deduct	*-116.32*	
		For >20 To 40, Deduct	*-232.64*	
		For >40, Deduct	*-387.57*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,065.25	790.77
		For >10 To 20, Deduct	*-126.63*	
		For >20 To 40, Deduct	*-253.26*	
		For >40, Deduct	*-419.43*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,543.73	809.16
		For >10 To 20, Deduct	*-138.59*	
		For >20 To 40, Deduct	*-277.19*	
		For >40, Deduct	*-456.24*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,462.30	588.48
		For >10 To 20, Deduct	*-86.56*	
		For >20 To 40, Deduct	*-173.12*	
		For >40, Deduct	*-289.10*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,700.94	625.26
		For >10 To 20, Deduct	*-92.52*	
		For >20 To 40, Deduct	*-185.05*	
		For >40, Deduct	*-308.83*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,218.66	735.60
		For >10 To 20, Deduct	*-105.47*	
		For >20 To 40, Deduct	*-210.93*	
		For >40, Deduct	*-353.18*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,401.37	772.38
		For >10 To 20, Deduct	*-110.03*	
		For >20 To 40, Deduct	*-220.07*	
		For >40, Deduct	*-368.72*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,609.54	809.16
		For >10 To 20, Deduct	*-115.24*	
		For >20 To 40, Deduct	*-230.48*	
		For >40, Deduct	*-386.17*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,777.07	845.94
		For >10 To 20, Deduct	*-119.43*	
		For >20 To 40, Deduct	*-238.85*	
		For >40, Deduct	*-400.58*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,972.53	845.94
		For >10 To 20, Deduct	*-124.31*	
		For >20 To 40, Deduct	*-248.63*	
		For >40, Deduct	*-415.24*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,392.97	882.72
		For >10 To 20, Deduct	*-134.82*	
		For >20 To 40, Deduct	*-269.65*	
		For >40, Deduct	*-448.61*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,833.44	919.50
		For >10 To 20, Deduct	*-295.84*	
		For >20 To 40, Deduct	*-591.67*	
		For >40, Deduct	*-933.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0128		**Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms** *(26 56 13 00-0092)*		
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,608.91	662.04
		For >10 To 20, Deduct	*-90.22*	
		For >20 To 40, Deduct	*-180.45*	
		For >40, Deduct	*-303.77*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,733.87	662.04
		For >10 To 20, Deduct	*-93.35*	
		For >20 To 40, Deduct	*-186.69*	
		For >40, Deduct	*-313.14*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,617.30	809.16
		For >10 To 20, Deduct	*-115.43*	
		For >20 To 40, Deduct	*-230.87*	
		For >40, Deduct	*-386.76*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,994.03	864.33
		For >10 To 20, Deduct	*-124.85*	
		For >20 To 40, Deduct	*-249.70*	
		For >40, Deduct	*-417.77*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,201.01	882.72
		For >10 To 20, Deduct	*-130.03*	
		For >20 To 40, Deduct	*-260.05*	
		For >40, Deduct	*-434.21*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,550.08	937.89
		For >10 To 20, Deduct	*-138.75*	
		For >20 To 40, Deduct	*-277.50*	
		For >40, Deduct	*-463.15*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,472.67	919.50
		For >10 To 20, Deduct	*-136.82*	
		For >20 To 40, Deduct	*-273.63*	
		For >40, Deduct	*-456.43*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,194.74	974.67
		For >10 To 20, Deduct	*-154.87*	
		For >20 To 40, Deduct	*-309.74*	
		For >40, Deduct	*-513.34*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,835.81	1,029.84
		For >10 To 20, Deduct	*-170.90*	
		For >20 To 40, Deduct	*-341.79*	
		For >40, Deduct	*-564.18*	
26 56 13 00-0138		**Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms** *(26 56 13 00-0091)*		
26 56 13 00-0139		**Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm** *(26 56 13 00-0138)*		
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,789.89	588.48
		For >10 To 20, Deduct	*-94.75*	
		For >20 To 40, Deduct	*-189.49*	
		For >40, Deduct	*-313.67*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,817.72	588.48
		For >10 To 20, Deduct	*-95.44*	
		For >20 To 40, Deduct	*-190.89*	
		For >40, Deduct	*-315.75*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,888.81	588.48
		For >10 To 20, Deduct	*-97.22*	
		For >20 To 40, Deduct	*-194.44*	
		For >40, Deduct	*-321.08*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,995.51	588.48
		For >10 To 20, Deduct	*-99.89*	
		For >20 To 40, Deduct	*-199.78*	
		For >40, Deduct	*-329.09*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,266.90	662.04
		For >10 To 20, Deduct	*-106.67*	
		For >20 To 40, Deduct	*-213.35*	
		For >40, Deduct	*-353.12*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,329.64	662.04
		For >10 To 20, Deduct	*-108.24*	
		For >20 To 40, Deduct	*-216.48*	
		For >40, Deduct	*-357.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,396.55	662.04
		For >10 To 20, Deduct	*-109.91*	
		For >20 To 40, Deduct	*-219.83*	
		For >40, Deduct	*-362.84*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,800.19	662.04
		For >10 To 20, Deduct	*-120.00*	
		For >20 To 40, Deduct	*-240.01*	
		For >40, Deduct	*-393.12*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,627.51	698.82
		For >10 To 20, Deduct	*-115.69*	
		For >20 To 40, Deduct	*-231.38*	
		For >40, Deduct	*-382.00*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,145.43	698.82
		For >10 To 20, Deduct	*-128.64*	
		For >20 To 40, Deduct	*-257.27*	
		For >40, Deduct	*-420.85*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,195.88	698.82
		For >10 To 20, Deduct	*-129.90*	
		For >20 To 40, Deduct	*-259.79*	
		For >40, Deduct	*-424.63*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,516.12	698.82
		For >10 To 20, Deduct	*-137.90*	
		For >20 To 40, Deduct	*-275.81*	
		For >40, Deduct	*-448.65*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,808.20	698.82
		For >10 To 20, Deduct	*-145.21*	
		For >20 To 40, Deduct	*-290.41*	
		For >40, Deduct	*-470.56*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,906.78	735.60
		For >10 To 20, Deduct	*-122.67*	
		For >20 To 40, Deduct	*-245.34*	
		For >40, Deduct	*-404.79*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,051.43	772.38
		For >10 To 20, Deduct	*-126.29*	
		For >20 To 40, Deduct	*-252.57*	
		For >40, Deduct	*-417.48*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,170.74	809.16
		For >10 To 20, Deduct	*-129.27*	
		For >20 To 40, Deduct	*-258.54*	
		For >40, Deduct	*-428.26*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,292.62	809.16
		For >10 To 20, Deduct	*-132.32*	
		For >20 To 40, Deduct	*-264.63*	
		For >40, Deduct	*-437.40*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,736.79	845.94
		For >10 To 20, Deduct	*-143.42*	
		For >20 To 40, Deduct	*-286.84*	
		For >40, Deduct	*-472.56*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,541.57	882.72
		For >10 To 20, Deduct	*-163.54*	
		For >20 To 40, Deduct	*-327.08*	
		For >40, Deduct	*-534.75*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,323.25	845.94
		For >10 To 20, Deduct	*-158.08*	
		For >20 To 40, Deduct	*-316.16*	
		For >40, Deduct	*-516.54*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,456.39	882.72
		For >10 To 20, Deduct	*-161.41*	
		For >20 To 40, Deduct	*-322.82*	
		For >40, Deduct	*-528.37*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,780.38	919.50
		For >10 To 20, Deduct	*-194.51*	
		For >20 To 40, Deduct	*-389.02*	
		For >40, Deduct	*-629.50*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0163			Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*		
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*		
	26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,089.45	441.36
			For >10 To 20, Deduct	*-77.24*	
			For >20 To 40, Deduct	*-154.47*	
			For >40, Deduct	*-253.78*	
	26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,168.06	441.36
			For >10 To 20, Deduct	*-79.20*	
			For >20 To 40, Deduct	*-158.40*	
			For >40, Deduct	*-259.67*	
	26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,246.84	441.36
			For >10 To 20, Deduct	*-81.17*	
			For >20 To 40, Deduct	*-162.34*	
			For >40, Deduct	*-265.58*	
	26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,705.13	588.48
			For >10 To 20, Deduct	*-92.63*	
			For >20 To 40, Deduct	*-185.26*	
			For >40, Deduct	*-307.31*	
	26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,765.05	588.48
			For >10 To 20, Deduct	*-94.13*	
			For >20 To 40, Deduct	*-188.25*	
			For >40, Deduct	*-311.80*	
	26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,830.52	588.48
			For >10 To 20, Deduct	*-95.76*	
			For >20 To 40, Deduct	*-191.53*	
			For >40, Deduct	*-316.71*	
	26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,180.69	662.04
			For >10 To 20, Deduct	*-104.52*	
			For >20 To 40, Deduct	*-209.03*	
			For >40, Deduct	*-346.65*	
	26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,262.04	662.04
			For >10 To 20, Deduct	*-106.55*	
			For >20 To 40, Deduct	*-213.10*	
			For >40, Deduct	*-352.76*	
	26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,274.24	662.04
			For >10 To 20, Deduct	*-106.86*	
			For >20 To 40, Deduct	*-213.71*	
			For >40, Deduct	*-353.67*	
	26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,543.69	698.82
			For >10 To 20, Deduct	*-113.59*	
			For >20 To 40, Deduct	*-227.18*	
			For >40, Deduct	*-375.72*	
	26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,579.37	698.82
			For >10 To 20, Deduct	*-114.48*	
			For >20 To 40, Deduct	*-228.97*	
			For >40, Deduct	*-378.39*	
	26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,663.01	698.82
			For >10 To 20, Deduct	*-116.58*	
			For >20 To 40, Deduct	*-233.15*	
			For >40, Deduct	*-384.67*	
26 56 13 00-0177			Area Light Poles *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0178			Steel Area Light Poles *(26 56 13 00-0177)* Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0180			Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*		
	26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,376.15	257.46
			For Galvanized Finish, Add	*25.84*	
			For >10 To 20, Deduct	*-47.32*	
			For >20 To 40, Deduct	*-86.03*	
			For >40, Deduct	*-180.68*	
	26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,497.42	294.24
			For Galvanized Finish, Add	*27.27*	
			For >10 To 20, Deduct	*-51.07*	
			For >20 To 40, Deduct	*-93.05*	
			For >40, Deduct	*-195.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,673.57	331.02
		For Galvanized Finish, Add	*30.35*	
		For >10 To 20, Deduct	*-57.01*	
		For >20 To 40, Deduct	*-103.91*	
		For >40, Deduct	*-217.93*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,854.48	367.80
		For Galvanized Finish, Add	*33.57*	
		For >10 To 20, Deduct	*-63.15*	
		For >20 To 40, Deduct	*-115.10*	
		For >40, Deduct	*-241.39*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,975.76	404.58
		For Galvanized Finish, Add	*35.00*	
		For >10 To 20, Deduct	*-66.89*	
		For >20 To 40, Deduct	*-122.12*	
		For >40, Deduct	*-255.91*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,085.10	441.36
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-70.16*	
		For >20 To 40, Deduct	*-128.30*	
		For >40, Deduct	*-268.63*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,438.18	257.46
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-49.80*	
		For >20 To 40, Deduct	*-90.37*	
		For >40, Deduct	*-189.98*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,561.84	294.24
		For Galvanized Finish, Add	*29.20*	
		For >10 To 20, Deduct	*-53.65*	
		For >20 To 40, Deduct	*-97.56*	
		For >40, Deduct	*-204.85*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,802.40	331.02
		For Galvanized Finish, Add	*34.21*	
		For >10 To 20, Deduct	*-62.17*	
		For >20 To 40, Deduct	*-112.93*	
		For >40, Deduct	*-237.26*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,937.98	367.80
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-66.49*	
		For >20 To 40, Deduct	*-120.95*	
		For >40, Deduct	*-253.92*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,066.41	404.58
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-70.52*	
		For >20 To 40, Deduct	*-128.47*	
		For >40, Deduct	*-269.50*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,170.99	441.36
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-73.60*	
		For >20 To 40, Deduct	*-134.31*	
		For >40, Deduct	*-281.51*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,553.50	588.48
		For Galvanized Finish, Add	*41.30*	
		For >10 To 20, Deduct	*-84.49*	
		For >20 To 40, Deduct	*-155.21*	
		For >40, Deduct	*-324.18*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,438.18	257.46
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-49.80*	
		For >20 To 40, Deduct	*-90.37*	
		For >40, Deduct	*-189.98*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,568.99	294.24
		For Galvanized Finish, Add	*29.42*	
		For >10 To 20, Deduct	*-53.93*	
		For >20 To 40, Deduct	*-98.06*	
		For >40, Deduct	*-205.92*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,840.57	331.02
		For Galvanized Finish, Add	*35.36*	
		For >10 To 20, Deduct	*-63.69*	
		For >20 To 40, Deduct	*-115.60*	
		For >40, Deduct	*-242.98*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,945.14	367.80
		For Galvanized Finish, Add	*36.29*	
		For >10 To 20, Deduct	*-66.77*	
		For >20 To 40, Deduct	*-121.45*	
		For >40, Deduct	*-254.99*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,066.41	404.58
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-70.52*	
		For >20 To 40, Deduct	*-128.47*	
		For >40, Deduct	*-269.50*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,170.99	441.36
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-73.60*	
		For >20 To 40, Deduct	*-134.31*	
		For >40, Deduct	*-281.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,620.30	588.48
		For Galvanized Finish, Add	*43.30*	
		For >10 To 20, Deduct	*-87.16*	
		For >20 To 40, Deduct	*-159.88*	
		For >40, Deduct	*-334.20*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,891.47	662.04
		For Galvanized Finish, Add	*47.02*	
		For >10 To 20, Deduct	*-95.80*	
		For >20 To 40, Deduct	*-175.92*	
		For >40, Deduct	*-367.52*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,323.67	441.36
		For Galvanized Finish, Add	*43.23*	
		For >10 To 20, Deduct	*-79.71*	
		For >20 To 40, Deduct	*-145.00*	
		For >40, Deduct	*-304.41*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,651.31	588.48
		For Galvanized Finish, Add	*44.23*	
		For >10 To 20, Deduct	*-88.40*	
		For >20 To 40, Deduct	*-162.05*	
		For >40, Deduct	*-338.85*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,951.11	662.04
		For Galvanized Finish, Add	*48.81*	
		For >10 To 20, Deduct	*-98.18*	
		For >20 To 40, Deduct	*-180.10*	
		For >40, Deduct	*-376.46*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,862.83	441.36
		For Galvanized Finish, Add	*59.40*	
		For >10 To 20, Deduct	*-101.27*	
		For >20 To 40, Deduct	*-182.74*	
		For >40, Deduct	*-385.29*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,936.79	441.36
		For Galvanized Finish, Add	*61.62*	
		For >10 To 20, Deduct	*-104.23*	
		For >20 To 40, Deduct	*-187.92*	
		For >40, Deduct	*-396.38*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,393.26	588.48
		For Galvanized Finish, Add	*66.49*	
		For >10 To 20, Deduct	*-118.08*	
		For >20 To 40, Deduct	*-213.99*	
		For >40, Deduct	*-450.14*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,545.94	588.48
		For Galvanized Finish, Add	*71.07*	
		For >10 To 20, Deduct	*-124.18*	
		For >20 To 40, Deduct	*-224.68*	
		For >40, Deduct	*-473.04*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,778.94	662.04
		For Galvanized Finish, Add	*73.65*	
		For >10 To 20, Deduct	*-131.30*	
		For >20 To 40, Deduct	*-238.04*	
		For >40, Deduct	*-500.64*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,034.21	662.04
		For Galvanized Finish, Add	*81.30*	
		For >10 To 20, Deduct	*-141.51*	
		For >20 To 40, Deduct	*-255.91*	
		For >40, Deduct	*-538.93*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,160.26	698.82
		For Galvanized Finish, Add	*82.88*	
		For >10 To 20, Deduct	*-145.45*	
		For >20 To 40, Deduct	*-263.27*	
		For >40, Deduct	*-554.16*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,317.71	698.82
		For Galvanized Finish, Add	*87.60*	
		For >10 To 20, Deduct	*-151.74*	
		For >20 To 40, Deduct	*-274.29*	
		For >40, Deduct	*-577.77*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,694.65	698.82
		For Galvanized Finish, Add	*98.91*	
		For >10 To 20, Deduct	*-166.82*	
		For >20 To 40, Deduct	*-300.67*	
		For >40, Deduct	*-634.32*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,739.59	735.60
		For Galvanized Finish, Add	*98.05*	
		For >10 To 20, Deduct	*-167.52*	
		For >20 To 40, Deduct	*-302.35*	
		For >40, Deduct	*-637.38*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,806.39	735.60
		For Galvanized Finish, Add	*100.06*	
		For >10 To 20, Deduct	*-170.19*	
		For >20 To 40, Deduct	*-307.02*	
		For >40, Deduct	*-647.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,533.62	956.28
		For Galvanized Finish, Add	*138.63*	
		For >10 To 20, Deduct	*-232.66*	
		For >20 To 40, Deduct	*-419.10*	
		For >40, Deduct	*-884.42*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,813.55	1,103.40
		For Galvanized Finish, Add	*138.20*	
		For >10 To 20, Deduct	*-239.44*	
		For >20 To 40, Deduct	*-432.81*	
		For >40, Deduct	*-911.69*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,581.33	588.48
		For Galvanized Finish, Add	*102.13*	
		For >10 To 20, Deduct	*-165.60*	
		For >20 To 40, Deduct	*-297.15*	
		For >40, Deduct	*-628.35*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,200.81	662.04
		For Galvanized Finish, Add	*116.30*	
		For >10 To 20, Deduct	*-188.17*	
		For >20 To 40, Deduct	*-337.58*	
		For >40, Deduct	*-713.92*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,025.47	735.60
		For Galvanized Finish, Add	*136.63*	
		For >10 To 20, Deduct	*-218.95*	
		For >20 To 40, Deduct	*-392.36*	
		For >40, Deduct	*-830.26*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,277.95	956.28
		For Galvanized Finish, Add	*160.96*	
		For >10 To 20, Deduct	*-262.43*	
		For >20 To 40, Deduct	*-471.21*	
		For >40, Deduct	*-996.06*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,493.07	1,103.40
		For Galvanized Finish, Add	*188.59*	
		For >10 To 20, Deduct	*-306.62*	
		For >20 To 40, Deduct	*-550.38*	
		For >40, Deduct	*-1,163.62*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,464.04	1,103.40
		For Galvanized Finish, Add	*217.72*	
		For >10 To 20, Deduct	*-345.46*	
		For >20 To 40, Deduct	*-618.35*	
		For >40, Deduct	*-1,309.27*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	12,708.56	1,103.40
		For Galvanized Finish, Add	*315.05*	
		For >10 To 20, Deduct	*-475.24*	
		For >20 To 40, Deduct	*-845.46*	
		For >40, Deduct	*-1,795.94*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	14,283.11	1,103.40
		For Galvanized Finish, Add	*362.29*	
		For >10 To 20, Deduct	*-538.22*	
		For >20 To 40, Deduct	*-955.68*	
		For >40, Deduct	*-2,032.13*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,357.06	257.46
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-46.56*	
		For >20 To 40, Deduct	*-84.70*	
		For >40, Deduct	*-177.81*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,430.62	294.24
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-48.40*	
		For >20 To 40, Deduct	*-88.37*	
		For >40, Deduct	*-185.17*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,544.74	331.02
		For Galvanized Finish, Add	*26.48*	
		For >10 To 20, Deduct	*-51.86*	
		For >20 To 40, Deduct	*-94.89*	
		For >40, Deduct	*-198.61*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,638.78	349.41
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-55.07*	
		For >20 To 40, Deduct	*-100.74*	
		For >40, Deduct	*-210.88*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,675.56	367.80
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-55.99*	
		For >20 To 40, Deduct	*-102.58*	
		For >40, Deduct	*-214.55*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,775.36	404.58
		For Galvanized Finish, Add	*28.99*	
		For >10 To 20, Deduct	*-58.88*	
		For >20 To 40, Deduct	*-108.09*	
		For >40, Deduct	*-225.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,870.39	441.36
		For Galvanized Finish, Add	*29.63*	
		For >10 To 20, Deduct	*-61.57*	
		For >20 To 40, Deduct	*-113.27*	
		For >40, Deduct	*-236.42*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,307.77	588.48
		For Galvanized Finish, Add	*33.92*	
		For >10 To 20, Deduct	*-74.66*	
		For >20 To 40, Deduct	*-138.00*	
		For >40, Deduct	*-287.32*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,192.46	441.36
		For Galvanized Finish, Add	*39.29*	
		For >10 To 20, Deduct	*-74.46*	
		For >20 To 40, Deduct	*-135.82*	
		For >40, Deduct	*-284.73*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,751.51	588.48
		For Galvanized Finish, Add	*47.24*	
		For >10 To 20, Deduct	*-92.41*	
		For >20 To 40, Deduct	*-169.07*	
		For >40, Deduct	*-353.88*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,158.67	662.04
		For Galvanized Finish, Add	*55.04*	
		For >10 To 20, Deduct	*-106.49*	
		For >20 To 40, Deduct	*-194.63*	
		For >40, Deduct	*-407.60*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,104.19	441.36
		For Galvanized Finish, Add	*36.64*	
		For >10 To 20, Deduct	*-70.93*	
		For >20 To 40, Deduct	*-129.64*	
		For >40, Deduct	*-271.49*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,579.74	588.48
		For Galvanized Finish, Add	*42.08*	
		For >10 To 20, Deduct	*-85.54*	
		For >20 To 40, Deduct	*-157.04*	
		For >40, Deduct	*-328.11*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,010.76	662.04
		For Galvanized Finish, Add	*50.60*	
		For >10 To 20, Deduct	*-100.57*	
		For >20 To 40, Deduct	*-184.27*	
		For >40, Deduct	*-385.41*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,407.17	441.36
		For Galvanized Finish, Add	*45.73*	
		For >10 To 20, Deduct	*-83.05*	
		For >20 To 40, Deduct	*-150.85*	
		For >40, Deduct	*-316.94*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,966.22	588.48
		For Galvanized Finish, Add	*53.68*	
		For >10 To 20, Deduct	*-100.99*	
		For >20 To 40, Deduct	*-184.10*	
		For >40, Deduct	*-386.09*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,361.45	662.04
		For Galvanized Finish, Add	*61.12*	
		For >10 To 20, Deduct	*-114.60*	
		For >20 To 40, Deduct	*-208.82*	
		For >40, Deduct	*-438.01*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,730.84	698.82
		For Galvanized Finish, Add	*70.00*	
		For >10 To 20, Deduct	*-128.27*	
		For >20 To 40, Deduct	*-233.21*	
		For >40, Deduct	*-489.74*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,831.43	662.04
		For Galvanized Finish, Add	*75.22*	
		For >10 To 20, Deduct	*-133.40*	
		For >20 To 40, Deduct	*-241.72*	
		For >40, Deduct	*-508.51*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,203.20	698.82
		For Galvanized Finish, Add	*84.17*	
		For >10 To 20, Deduct	*-147.16*	
		For >20 To 40, Deduct	*-266.27*	
		For >40, Deduct	*-560.60*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,446.15	735.60
		For Galvanized Finish, Add	*89.25*	
		For >10 To 20, Deduct	*-155.78*	
		For >20 To 40, Deduct	*-281.81*	
		For >40, Deduct	*-593.36*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,838.68	441.36
		For Galvanized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-180.31*	
		For >20 To 40, Deduct	*-321.05*	
		For >40, Deduct	*-681.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,401.89	588.48
		For Galvanized Finish, Add	*126.75*	
		For >10 To 20, Deduct	*-198.42*	
		For >20 To 40, Deduct	*-354.59*	
		For >40, Deduct	*-751.44*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,558.71	662.04
		For Galvanized Finish, Add	*187.04*	
		For >10 To 20, Deduct	*-282.49*	
		For >20 To 40, Deduct	*-502.63*	
		For >40, Deduct	*-1,067.60*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,935.10	441.36
		For Galvanized Finish, Add	*121.57*	
		For >10 To 20, Deduct	*-184.16*	
		For >20 To 40, Deduct	*-327.80*	
		For >40, Deduct	*-696.13*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,962.68	588.48
		For Galvanized Finish, Add	*143.57*	
		For >10 To 20, Deduct	*-220.85*	
		For >20 To 40, Deduct	*-393.85*	
		For >40, Deduct	*-835.55*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,393.54	662.04
		For Galvanized Finish, Add	*212.08*	
		For >10 To 20, Deduct	*-315.88*	
		For >20 To 40, Deduct	*-561.07*	
		For >40, Deduct	*-1,192.83*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,631.81	698.82
		For Galvanized Finish, Add	*247.03*	
		For >10 To 20, Deduct	*-364.31*	
		For >20 To 40, Deduct	*-646.27*	
		For >40, Deduct	*-1,374.89*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,321.77	735.60
		For Galvanized Finish, Add	*295.52*	
		For >10 To 20, Deduct	*-430.80*	
		For >20 To 40, Deduct	*-763.10*	
		For >40, Deduct	*-1,624.71*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,686.43	441.36
		For Galvanized Finish, Add	*114.11*	
		For >10 To 20, Deduct	*-174.22*	
		For >20 To 40, Deduct	*-310.40*	
		For >40, Deduct	*-658.83*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,158.29	588.48
		For Galvanized Finish, Add	*119.44*	
		For >10 To 20, Deduct	*-188.68*	
		For >20 To 40, Deduct	*-337.54*	
		For >40, Deduct	*-714.90*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,129.87	662.04
		For Galvanized Finish, Add	*174.17*	
		For >10 To 20, Deduct	*-265.33*	
		For >20 To 40, Deduct	*-472.61*	
		For >40, Deduct	*-1,003.28*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,861.51	441.36
		For Galvanized Finish, Add	*119.36*	
		For >10 To 20, Deduct	*-181.22*	
		For >20 To 40, Deduct	*-322.65*	
		For >40, Deduct	*-685.09*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,734.30	588.48
		For Galvanized Finish, Add	*136.72*	
		For >10 To 20, Deduct	*-211.72*	
		For >20 To 40, Deduct	*-377.86*	
		For >40, Deduct	*-801.30*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	8,076.36	662.04
		For Galvanized Finish, Add	*202.57*	
		For >10 To 20, Deduct	*-303.19*	
		For >20 To 40, Deduct	*-538.86*	
		For >40, Deduct	*-1,145.25*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,130.49	441.36
		For Galvanized Finish, Add	*127.43*	
		For >10 To 20, Deduct	*-191.98*	
		For >20 To 40, Deduct	*-341.48*	
		For >40, Deduct	*-725.44*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,218.96	588.48
		For Galvanized Finish, Add	*151.26*	
		For >10 To 20, Deduct	*-231.10*	
		For >20 To 40, Deduct	*-411.79*	
		For >40, Deduct	*-874.00*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,647.29	662.04
		For Galvanized Finish, Add	*219.70*	
		For >10 To 20, Deduct	*-326.03*	
		For >20 To 40, Deduct	*-578.83*	
		For >40, Deduct	*-1,230.89*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,941.39	698.82
		For Galvanized Finish, Add	*256.31*	
		For >10 To 20, Deduct	*-376.69*	
		For >20 To 40, Deduct	*-667.94*	
		For >40, Deduct	*-1,421.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,486.71	735.60
		For Galvanized Finish, Add	*300.47*	
		For >10 To 20, Deduct	*-437.40*	
		For >20 To 40, Deduct	*-774.65*	
		For >40, Deduct	*-1,649.45*	
26 56 13 00-0272		**Square Tapered, Steel Area Light Poles** *(26 56 13 00-0178)*		
26 56 13 00-0273		**Square Tapered, Steel Area Light Poles, Anchor Base** *(26 56 13 00-0272)*		
26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,666.81	441.36
		For Galvanized Finish, Add	*83.52*	
		For >10 To 20, Deduct	*-133.43*	
		For >20 To 40, Deduct	*-239.02*	
		For >40, Deduct	*-505.89*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,452.50	588.48
		For Galvanized Finish, Add	*98.27*	
		For >10 To 20, Deduct	*-160.45*	
		For >20 To 40, Deduct	*-288.14*	
		For >40, Deduct	*-609.03*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,955.08	662.04
		For Galvanized Finish, Add	*108.93*	
		For >10 To 20, Deduct	*-178.34*	
		For >20 To 40, Deduct	*-320.37*	
		For >40, Deduct	*-677.06*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,498.62	698.82
		For Galvanized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-198.98*	
		For >20 To 40, Deduct	*-356.95*	
		For >40, Deduct	*-754.91*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,796.45	735.60
		For Galvanized Finish, Add	*129.76*	
		For >10 To 20, Deduct	*-209.79*	
		For >20 To 40, Deduct	*-376.33*	
		For >40, Deduct	*-795.91*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,737.98	441.36
		For Galvanized Finish, Add	*115.66*	
		For >10 To 20, Deduct	*-176.28*	
		For >20 To 40, Deduct	*-314.00*	
		For >40, Deduct	*-666.56*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,292.26	588.48
		For Galvanized Finish, Add	*123.46*	
		For >10 To 20, Deduct	*-194.04*	
		For >20 To 40, Deduct	*-346.92*	
		For >40, Deduct	*-734.99*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,642.16	662.04
		For Galvanized Finish, Add	*129.54*	
		For >10 To 20, Deduct	*-205.83*	
		For >20 To 40, Deduct	*-368.47*	
		For >40, Deduct	*-780.12*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,271.98	662.04
		For Galvanized Finish, Add	*148.44*	
		For >10 To 20, Deduct	*-231.02*	
		For >20 To 40, Deduct	*-412.56*	
		For >40, Deduct	*-874.59*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,798.82	698.82
		For Galvanized Finish, Add	*162.04*	
		For >10 To 20, Deduct	*-250.99*	
		For >20 To 40, Deduct	*-447.96*	
		For >40, Deduct	*-949.94*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,578.94	698.82
		For Galvanized Finish, Add	*185.44*	
		For >10 To 20, Deduct	*-282.19*	
		For >20 To 40, Deduct	*-502.57*	
		For >40, Deduct	*-1,066.96*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,908.17	735.60
		For Galvanized Finish, Add	*163.11*	
		For >10 To 20, Deduct	*-254.26*	
		For >20 To 40, Deduct	*-454.15*	
		For >40, Deduct	*-962.67*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,828.65	735.60
		For Galvanized Finish, Add	*220.72*	
		For >10 To 20, Deduct	*-331.08*	
		For >20 To 40, Deduct	*-588.58*	
		For >40, Deduct	*-1,250.74*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,158.27	956.28
		For Galvanized Finish, Add	*187.37*	
		For >10 To 20, Deduct	*-297.64*	
		For >20 To 40, Deduct	*-532.83*	
		For >40, Deduct	*-1,128.11*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,468.01	956.28
		For Galvanized Finish, Add	*226.66*	
		For >10 To 20, Deduct	*-350.03*	
		For >20 To 40, Deduct	*-624.51*	
		For >40, Deduct	*-1,324.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,829.05	1,103.40
		For Galvanized Finish, Add	*228.67*	
		For >10 To 20, Deduct	*-360.06*	
		For >20 To 40, Deduct	*-643.90*	
		For >40, Deduct	*-1,364.02*	
26 56 13 00-0290		**Factory Accessories For Steel Area Light Poles** *(26 56 13 00-0178)*		
26 56 13 00-0291	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	84.58	
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	125.79	
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	127.96	
26 56 13 00-0294		**Aluminum Area Light Poles** *(26 56 13 00-0177)*		
		Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295		**Round Straight, Aluminum Area Light Poles** *(26 56 13 00-0294)*		
26 56 13 00-0296		**Round Straight, Aluminum Area Light Poles, Anchor Base** *(26 56 13 00-0295)*		
26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	822.78	220.68
		For Bronze Or Satin Anodized Finish, Add	*38.14*	
		For Black Anodized Finish, Add	*76.28*	
		For >10 To 20, Deduct	*-26.29*	
		For >20 To 40, Deduct	*-48.77*	
		For >40, Deduct	*-101.35*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	915.90	257.46
		For Bronze Or Satin Anodized Finish, Add	*40.10*	
		For Black Anodized Finish, Add	*80.20*	
		For >10 To 20, Deduct	*-28.91*	
		For >20 To 40, Deduct	*-53.81*	
		For >40, Deduct	*-111.64*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,013.91	294.24
		For Bronze Or Satin Anodized Finish, Add	*42.54*	
		For Black Anodized Finish, Add	*85.09*	
		For >10 To 20, Deduct	*-31.73*	
		For >20 To 40, Deduct	*-59.20*	
		For >40, Deduct	*-122.66*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,112.90	331.02
		For Bronze Or Satin Anodized Finish, Add	*45.09*	
		For Black Anodized Finish, Add	*90.17*	
		For >10 To 20, Deduct	*-34.59*	
		For >20 To 40, Deduct	*-64.66*	
		For >40, Deduct	*-133.83*	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,166.31	349.41
		For Bronze Or Satin Anodized Finish, Add	*46.75*	
		For Black Anodized Finish, Add	*93.50*	
		For >10 To 20, Deduct	*-36.17*	
		For >20 To 40, Deduct	*-67.67*	
		For >40, Deduct	*-140.01*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,218.74	367.80
		For Bronze Or Satin Anodized Finish, Add	*48.31*	
		For Black Anodized Finish, Add	*96.63*	
		For >10 To 20, Deduct	*-37.72*	
		For >20 To 40, Deduct	*-70.60*	
		For >40, Deduct	*-146.03*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,277.42	367.80
		For Bronze Or Satin Anodized Finish, Add	*54.18*	
		For Black Anodized Finish, Add	*108.36*	
		For >10 To 20, Deduct	*-40.06*	
		For >20 To 40, Deduct	*-74.71*	
		For >40, Deduct	*-154.83*	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,388.14	404.58
		For Bronze Or Satin Anodized Finish, Add	*57.90*	
		For Black Anodized Finish, Add	*115.80*	
		For >10 To 20, Deduct	*-43.39*	
		For >20 To 40, Deduct	*-80.99*	
		For >40, Deduct	*-167.76*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,493.00	441.36
		For Bronze Or Satin Anodized Finish, Add	*61.03*	
		For Black Anodized Finish, Add	*122.06*	
		For >10 To 20, Deduct	*-46.48*	
		For >20 To 40, Deduct	*-86.86*	
		For >40, Deduct	*-179.81*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,382.45	349.41
		For Bronze Or Satin Anodized Finish, Add	*68.36*	
		For Black Anodized Finish, Add	*136.73*	
		For >10 To 20, Deduct	*-44.82*	
		For >20 To 40, Deduct	*-82.80*	
		For >40, Deduct	*-172.43*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,709.14	441.36
		For Bronze Or Satin Anodized Finish, Add	*82.64*	
		For Black Anodized Finish, Add	*165.28*	
		For >10 To 20, Deduct	*-55.12*	
		For >20 To 40, Deduct	*-101.99*	
		For >40, Deduct	*-212.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,818.68	441.36
		For Bronze Or Satin Anodized Finish, Add	*93.60*	
		For Black Anodized Finish, Add	*187.19*	
		For >10 To 20, Deduct	*-59.51*	
		For >20 To 40, Deduct	*-109.65*	
		For >40, Deduct	*-228.67*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,215.61	588.48
		For Bronze Or Satin Anodized Finish, Add	*103.87*	
		For Black Anodized Finish, Add	*207.73*	
		For >10 To 20, Deduct	*-70.97*	
		For >20 To 40, Deduct	*-131.55*	
		For >40, Deduct	*-273.49*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,557.35	662.04
		For Bronze Or Satin Anodized Finish, Add	*123.33*	
		For Black Anodized Finish, Add	*246.65*	
		For >10 To 20, Deduct	*-82.43*	
		For >20 To 40, Deduct	*-152.53*	
		For >40, Deduct	*-317.40*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,560.48	441.36
		For Bronze Or Satin Anodized Finish, Add	*67.78*	
		For Black Anodized Finish, Add	*135.55*	
		For >10 To 20, Deduct	*-49.18*	
		For >20 To 40, Deduct	*-91.58*	
		For >40, Deduct	*-189.94*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,809.87	441.36
		For Bronze Or Satin Anodized Finish, Add	*92.72*	
		For Black Anodized Finish, Add	*185.43*	
		For >10 To 20, Deduct	*-59.15*	
		For >20 To 40, Deduct	*-109.04*	
		For >40, Deduct	*-227.34*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,199.96	588.48
		For Bronze Or Satin Anodized Finish, Add	*102.30*	
		For Black Anodized Finish, Add	*204.60*	
		For >10 To 20, Deduct	*-70.34*	
		For >20 To 40, Deduct	*-130.46*	
		For >40, Deduct	*-271.15*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,341.77	588.48
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-76.02*	
		For >20 To 40, Deduct	*-140.38*	
		For >40, Deduct	*-292.42*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,717.74	662.04
		For Bronze Or Satin Anodized Finish, Add	*139.37*	
		For Black Anodized Finish, Add	*278.73*	
		For >10 To 20, Deduct	*-88.85*	
		For >20 To 40, Deduct	*-163.76*	
		For >40, Deduct	*-341.46*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	922.54	220.68
		For Bronze, Satin Or Black Anodized Finish, Add	*72.18*	
		For >10 To 20, Deduct	*-30.28*	
		For >20 To 40, Deduct	*-55.75*	
		For >40, Deduct	*-116.31*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,035.22	257.46
		For Bronze, Satin Or Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-33.69*	
		For >20 To 40, Deduct	*-62.17*	
		For >40, Deduct	*-129.54*	
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,143.99	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*83.33*	
		For >10 To 20, Deduct	*-36.93*	
		For >20 To 40, Deduct	*-68.31*	
		For >40, Deduct	*-142.17*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,234.18	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*85.82*	
		For >10 To 20, Deduct	*-39.44*	
		For >20 To 40, Deduct	*-73.15*	
		For >40, Deduct	*-152.03*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,336.10	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*90.08*	
		For >10 To 20, Deduct	*-42.41*	
		For >20 To 40, Deduct	*-78.82*	
		For >40, Deduct	*-163.64*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,055.76	257.46
		For Bronze, Satin Or Black Anodized Finish, Add	*81.13*	
		For >10 To 20, Deduct	*-34.51*	
		For >20 To 40, Deduct	*-63.60*	
		For >40, Deduct	*-132.62*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,162.57	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*86.11*	
		For >10 To 20, Deduct	*-37.68*	
		For >20 To 40, Deduct	*-69.61*	
		For >40, Deduct	*-144.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,272.32	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-40.96*	
		For >20 To 40, Deduct	*-75.82*	
		For >40, Deduct	*-157.75*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,381.09	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*96.82*	
		For >10 To 20, Deduct	*-44.21*	
		For >20 To 40, Deduct	*-81.96*	
		For >40, Deduct	*-170.38*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,494.74	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-47.65*	
		For >20 To 40, Deduct	*-88.45*	
		For >40, Deduct	*-183.75*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,602.54	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*107.97*	
		For >10 To 20, Deduct	*-50.86*	
		For >20 To 40, Deduct	*-94.52*	
		For >40, Deduct	*-196.25*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,200.71	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*91.83*	
		For >10 To 20, Deduct	*-39.20*	
		For >20 To 40, Deduct	*-72.28*	
		For >40, Deduct	*-150.68*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,317.31	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*98.29*	
		For >10 To 20, Deduct	*-42.76*	
		For >20 To 40, Deduct	*-78.97*	
		For >40, Deduct	*-164.49*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,432.92	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*104.60*	
		For >10 To 20, Deduct	*-46.28*	
		For >20 To 40, Deduct	*-85.59*	
		For >40, Deduct	*-178.16*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,550.49	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*111.20*	
		For >10 To 20, Deduct	*-49.88*	
		For >20 To 40, Deduct	*-92.35*	
		For >40, Deduct	*-192.12*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,487.69	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*112.81*	
		For >10 To 20, Deduct	*-48.47*	
		For >20 To 40, Deduct	*-89.43*	
		For >40, Deduct	*-186.37*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,730.65	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*127.19*	
		For >10 To 20, Deduct	*-55.99*	
		For >20 To 40, Deduct	*-103.49*	
		For >40, Deduct	*-215.46*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,236.90	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*97.26*	
		For >10 To 20, Deduct	*-40.65*	
		For >20 To 40, Deduct	*-74.81*	
		For >40, Deduct	*-156.11*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,364.25	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*105.33*	
		For >10 To 20, Deduct	*-44.64*	
		For >20 To 40, Deduct	*-82.26*	
		For >40, Deduct	*-171.54*	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,481.82	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*111.93*	
		For >10 To 20, Deduct	*-48.24*	
		For >20 To 40, Deduct	*-89.02*	
		For >40, Deduct	*-185.49*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,605.26	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-52.07*	
		For >20 To 40, Deduct	*-96.19*	
		For >40, Deduct	*-200.33*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,725.76	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*126.46*	
		For >10 To 20, Deduct	*-55.79*	
		For >20 To 40, Deduct	*-103.15*	
		For >40, Deduct	*-214.73*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,553.22	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*122.64*	
		For >10 To 20, Deduct	*-51.09*	
		For >20 To 40, Deduct	*-94.01*	
		For >40, Deduct	*-196.20*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,685.46	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*131.45*	
		For >10 To 20, Deduct	*-55.28*	
		For >20 To 40, Deduct	*-101.80*	
		For >40, Deduct	*-212.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,756.08	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*131.00*	
		For >10 To 20, Deduct	*-57.00*	
		For >20 To 40, Deduct	*-105.27*	
		For >40, Deduct	*-219.28*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	727.71	183.90
		For Bronze Or Satin Anodized Finish, Add	*35.99*	
		For Black Anodized Finish, Add	*71.98*	
		For >10 To 20, Deduct	*-23.59*	
		For >20 To 40, Deduct	*-43.58*	
		For >40, Deduct	*-90.77*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	783.07	202.29
		For Bronze Or Satin Anodized Finish, Add	*37.85*	
		For Black Anodized Finish, Add	*75.70*	
		For >10 To 20, Deduct	*-25.25*	
		For >20 To 40, Deduct	*-46.72*	
		For >40, Deduct	*-97.23*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	863.86	220.68
		For Bronze Or Satin Anodized Finish, Add	*42.25*	
		For Black Anodized Finish, Add	*84.50*	
		For >10 To 20, Deduct	*-27.93*	
		For >20 To 40, Deduct	*-51.64*	
		For >40, Deduct	*-107.51*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	886.35	220.68
		For Bronze Or Satin Anodized Finish, Add	*44.50*	
		For Black Anodized Finish, Add	*89.00*	
		For >10 To 20, Deduct	*-28.83*	
		For >20 To 40, Deduct	*-53.22*	
		For >40, Deduct	*-110.88*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	914.72	220.68
		For Bronze Or Satin Anodized Finish, Add	*47.34*	
		For Black Anodized Finish, Add	*94.67*	
		For >10 To 20, Deduct	*-29.97*	
		For >20 To 40, Deduct	*-55.20*	
		For >40, Deduct	*-115.14*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,037.56	239.07
		For Bronze Or Satin Anodized Finish, Add	*55.94*	
		For Black Anodized Finish, Add	*111.88*	
		For >10 To 20, Deduct	*-34.33*	
		For >20 To 40, Deduct	*-63.07*	
		For >40, Deduct	*-131.73*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,110.53	257.46
		For Bronze Or Satin Anodized Finish, Add	*59.56*	
		For Black Anodized Finish, Add	*119.12*	
		For >10 To 20, Deduct	*-36.70*	
		For >20 To 40, Deduct	*-67.44*	
		For >40, Deduct	*-140.83*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,262.12	257.46
		For Bronze Or Satin Anodized Finish, Add	*74.72*	
		For Black Anodized Finish, Add	*149.44*	
		For >10 To 20, Deduct	*-42.76*	
		For >20 To 40, Deduct	*-78.05*	
		For >40, Deduct	*-163.57*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,530.30	294.24
		For Bronze Or Satin Anodized Finish, Add	*94.18*	
		For Black Anodized Finish, Add	*188.36*	
		For >10 To 20, Deduct	*-52.38*	
		For >20 To 40, Deduct	*-95.35*	
		For >40, Deduct	*-200.12*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,734.92	331.02
		For Bronze Or Satin Anodized Finish, Add	*107.29*	
		For Black Anodized Finish, Add	*214.58*	
		For >10 To 20, Deduct	*-59.47*	
		For >20 To 40, Deduct	*-108.20*	
		For >40, Deduct	*-227.14*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,913.89	331.02
		For Bronze Or Satin Anodized Finish, Add	*125.19*	
		For Black Anodized Finish, Add	*250.37*	
		For >10 To 20, Deduct	*-66.63*	
		For >20 To 40, Deduct	*-120.73*	
		For >40, Deduct	*-253.98*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	718.14	220.68
		For Bronze Or Satin Anodized Finish, Add	*27.68*	
		For Black Anodized Finish, Add	*55.36*	
		For >10 To 20, Deduct	*-22.11*	
		For >20 To 40, Deduct	*-41.44*	
		For >40, Deduct	*-85.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	814.19	257.46
		For Bronze Or Satin Anodized Finish, Add	*29.93*	
		For Black Anodized Finish, Add	*59.85*	
		For >10 To 20, Deduct	*-24.84*	
		For >20 To 40, Deduct	*-46.69*	
		For >40, Deduct	*-96.38*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	910.25	294.24
		For Bronze Or Satin Anodized Finish, Add	*32.18*	
		For Black Anodized Finish, Add	*64.35*	
		For >10 To 20, Deduct	*-27.58*	
		For >20 To 40, Deduct	*-51.95*	
		For >40, Deduct	*-107.11*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,015.10	331.02
		For Bronze Or Satin Anodized Finish, Add	*35.31*	
		For Black Anodized Finish, Add	*70.61*	
		For >10 To 20, Deduct	*-30.67*	
		For >20 To 40, Deduct	*-57.82*	
		For >40, Deduct	*-119.16*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,118.98	367.80
		For Bronze Or Satin Anodized Finish, Add	*38.34*	
		For Black Anodized Finish, Add	*76.68*	
		For >10 To 20, Deduct	*-33.73*	
		For >20 To 40, Deduct	*-63.62*	
		For >40, Deduct	*-131.07*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	839.62	257.46
		For Bronze Or Satin Anodized Finish, Add	*32.47*	
		For Black Anodized Finish, Add	*64.94*	
		For >10 To 20, Deduct	*-25.86*	
		For >20 To 40, Deduct	*-48.48*	
		For >40, Deduct	*-100.20*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	950.34	294.24
		For Bronze Or Satin Anodized Finish, Add	*36.19*	
		For Black Anodized Finish, Add	*72.37*	
		For >10 To 20, Deduct	*-29.19*	
		For >20 To 40, Deduct	*-54.75*	
		For >40, Deduct	*-113.13*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,058.13	331.02
		For Bronze Or Satin Anodized Finish, Add	*39.61*	
		For Black Anodized Finish, Add	*79.22*	
		For >10 To 20, Deduct	*-32.39*	
		For >20 To 40, Deduct	*-60.83*	
		For >40, Deduct	*-125.62*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,266.87	404.58
		For Bronze Or Satin Anodized Finish, Add	*45.77*	
		For Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-38.54*	
		For >20 To 40, Deduct	*-72.50*	
		For >40, Deduct	*-149.57*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,364.88	441.36
		For Bronze Or Satin Anodized Finish, Add	*48.22*	
		For Black Anodized Finish, Add	*96.43*	
		For >10 To 20, Deduct	*-41.35*	
		For >20 To 40, Deduct	*-77.89*	
		For >40, Deduct	*-160.60*	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	986.53	294.24
		For Bronze Or Satin Anodized Finish, Add	*39.81*	
		For Black Anodized Finish, Add	*79.61*	
		For >10 To 20, Deduct	*-30.63*	
		For >20 To 40, Deduct	*-57.29*	
		For >40, Deduct	*-118.56*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,100.19	331.02
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-34.08*	
		For >20 To 40, Deduct	*-63.77*	
		For >40, Deduct	*-131.93*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,220.69	367.80
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-37.79*	
		For >20 To 40, Deduct	*-70.74*	
		For >40, Deduct	*-146.32*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,323.59	404.58
		For Bronze Or Satin Anodized Finish, Add	*51.44*	
		For Black Anodized Finish, Add	*102.89*	
		For >10 To 20, Deduct	*-40.81*	
		For >20 To 40, Deduct	*-76.47*	
		For >40, Deduct	*-158.08*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,440.19	441.36
		For Bronze Or Satin Anodized Finish, Add	*55.75*	
		For Black Anodized Finish, Add	*111.49*	
		For >10 To 20, Deduct	*-44.37*	
		For >20 To 40, Deduct	*-83.16*	
		For >40, Deduct	*-171.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,316.54	367.80
		For Bronze Or Satin Anodized Finish, Add	*58.09*	
		For Black Anodized Finish, Add	*116.19*	
		For >10 To 20, Deduct	*-41.63*	
		For >20 To 40, Deduct	*-77.45*	
		For >40, Deduct	*-160.70*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,445.84	404.58
		For Bronze Or Satin Anodized Finish, Add	*63.67*	
		For Black Anodized Finish, Add	*127.34*	
		For >10 To 20, Deduct	*-45.70*	
		For >20 To 40, Deduct	*-85.03*	
		For >40, Deduct	*-176.42*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,535.05	441.36
		For Bronze Or Satin Anodized Finish, Add	*65.23*	
		For Black Anodized Finish, Add	*130.47*	
		For >10 To 20, Deduct	*-48.16*	
		For >20 To 40, Deduct	*-89.80*	
		For >40, Deduct	*-186.12*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,769.22	514.92
		For Bronze Or Satin Anodized Finish, Add	*73.94*	
		For Black Anodized Finish, Add	*147.88*	
		For >10 To 20, Deduct	*-55.32*	
		For >20 To 40, Deduct	*-103.25*	
		For >40, Deduct	*-213.89*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,009.25	588.48
		For Bronze Or Satin Anodized Finish, Add	*83.23*	
		For Black Anodized Finish, Add	*166.46*	
		For >10 To 20, Deduct	*-62.72*	
		For >20 To 40, Deduct	*-117.11*	
		For >40, Deduct	*-242.54*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,541.69	404.58
		For Bronze Or Satin Anodized Finish, Add	*73.25*	
		For Black Anodized Finish, Add	*146.51*	
		For >10 To 20, Deduct	*-49.53*	
		For >20 To 40, Deduct	*-91.74*	
		For >40, Deduct	*-190.80*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,651.44	441.36
		For Bronze Or Satin Anodized Finish, Add	*76.87*	
		For Black Anodized Finish, Add	*153.74*	
		For >10 To 20, Deduct	*-52.82*	
		For >20 To 40, Deduct	*-97.95*	
		For >40, Deduct	*-203.58*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,861.15	514.92
		For Bronze Or Satin Anodized Finish, Add	*83.13*	
		For Black Anodized Finish, Add	*166.26*	
		For >10 To 20, Deduct	*-59.00*	
		For >20 To 40, Deduct	*-109.68*	
		For >40, Deduct	*-227.68*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,079.66	588.48
		For Bronze Or Satin Anodized Finish, Add	*90.27*	
		For Black Anodized Finish, Add	*180.54*	
		For >10 To 20, Deduct	*-65.53*	
		For >20 To 40, Deduct	*-122.04*	
		For >40, Deduct	*-253.10*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,232.44	625.26
		For Bronze Or Satin Anodized Finish, Add	*98.19*	
		For Black Anodized Finish, Add	*196.38*	
		For >10 To 20, Deduct	*-70.54*	
		For >20 To 40, Deduct	*-131.26*	
		For >40, Deduct	*-272.34*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,387.18	662.04
		For Bronze Or Satin Anodized Finish, Add	*106.31*	
		For Black Anodized Finish, Add	*212.62*	
		For >10 To 20, Deduct	*-75.63*	
		For >20 To 40, Deduct	*-140.62*	
		For >40, Deduct	*-291.87*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,952.10	514.92
		For Bronze Or Satin Anodized Finish, Add	*92.23*	
		For Black Anodized Finish, Add	*184.45*	
		For >10 To 20, Deduct	*-62.64*	
		For >20 To 40, Deduct	*-116.05*	
		For >40, Deduct	*-241.32*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,140.30	588.48
		For Bronze Or Satin Anodized Finish, Add	*96.33*	
		For Black Anodized Finish, Add	*192.67*	
		For >10 To 20, Deduct	*-67.96*	
		For >20 To 40, Deduct	*-126.28*	
		For >40, Deduct	*-262.20*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,297.97	625.26
		For Bronze Or Satin Anodized Finish, Add	*104.75*	
		For Black Anodized Finish, Add	*209.49*	
		For >10 To 20, Deduct	*-73.16*	
		For >20 To 40, Deduct	*-135.85*	
		For >40, Deduct	*-282.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,488.89	662.04
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-79.69*	
		For >20 To 40, Deduct	*-147.74*	
		For >40, Deduct	*-307.13*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,569.68	680.43
		For Bronze Or Satin Anodized Finish, Add	*120.88*	
		For Black Anodized Finish, Add	*241.76*	
		For >10 To 20, Deduct	*-82.37*	
		For >20 To 40, Deduct	*-152.66*	
		For >40, Deduct	*-317.41*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,724.80	698.82
		For Bronze Or Satin Anodized Finish, Add	*132.72*	
		For Black Anodized Finish, Add	*265.43*	
		For >10 To 20, Deduct	*-88.03*	
		For >20 To 40, Deduct	*-162.78*	
		For >40, Deduct	*-338.84*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,026.63	294.24
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-32.24*	
		For >20 To 40, Deduct	*-60.09*	
		For >40, Deduct	*-124.57*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,147.13	331.02
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-35.95*	
		For >20 To 40, Deduct	*-67.06*	
		For >40, Deduct	*-138.97*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,271.55	367.80
		For Bronze Or Satin Anodized Finish, Add	*53.60*	
		For Black Anodized Finish, Add	*107.19*	
		For >10 To 20, Deduct	*-39.83*	
		For >20 To 40, Deduct	*-74.30*	
		For >40, Deduct	*-153.95*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,385.21	404.58
		For Bronze Or Satin Anodized Finish, Add	*57.61*	
		For Black Anodized Finish, Add	*115.21*	
		For >10 To 20, Deduct	*-43.27*	
		For >20 To 40, Deduct	*-80.78*	
		For >40, Deduct	*-167.32*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,497.89	441.36
		For Bronze Or Satin Anodized Finish, Add	*61.52*	
		For Black Anodized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-46.67*	
		For >20 To 40, Deduct	*-87.20*	
		For >40, Deduct	*-180.55*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,378.15	367.80
		For Bronze Or Satin Anodized Finish, Add	*64.26*	
		For Black Anodized Finish, Add	*128.51*	
		For >10 To 20, Deduct	*-44.09*	
		For >20 To 40, Deduct	*-81.76*	
		For >40, Deduct	*-169.94*	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,510.39	404.58
		For Bronze Or Satin Anodized Finish, Add	*70.12*	
		For Black Anodized Finish, Add	*140.25*	
		For >10 To 20, Deduct	*-48.28*	
		For >20 To 40, Deduct	*-89.54*	
		For >40, Deduct	*-186.10*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,612.32	441.36
		For Bronze Or Satin Anodized Finish, Add	*72.96*	
		For Black Anodized Finish, Add	*145.92*	
		For >10 To 20, Deduct	*-51.25*	
		For >20 To 40, Deduct	*-95.21*	
		For >40, Deduct	*-197.71*	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,841.59	514.92
		For Bronze Or Satin Anodized Finish, Add	*81.18*	
		For Black Anodized Finish, Add	*162.35*	
		For >10 To 20, Deduct	*-58.22*	
		For >20 To 40, Deduct	*-108.31*	
		For >40, Deduct	*-224.75*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,076.73	588.48
		For Bronze Or Satin Anodized Finish, Add	*89.98*	
		For Black Anodized Finish, Add	*179.95*	
		For >10 To 20, Deduct	*-65.41*	
		For >20 To 40, Deduct	*-121.83*	
		For >40, Deduct	*-252.66*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,062.62	514.92
		For Bronze Or Satin Anodized Finish, Add	*103.28*	
		For Black Anodized Finish, Add	*206.56*	
		For >10 To 20, Deduct	*-67.06*	
		For >20 To 40, Deduct	*-123.79*	
		For >40, Deduct	*-257.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,287.00	588.48
		For Bronze Or Satin Anodized Finish, Add	*111.00*	
		For Black Anodized Finish, Add	*222.01*	
		For >10 To 20, Deduct	*-73.83*	
		For >20 To 40, Deduct	*-136.55*	
		For >40, Deduct	*-284.20*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,456.41	625.26
		For Bronze Or Satin Anodized Finish, Add	*120.59*	
		For Black Anodized Finish, Add	*241.18*	
		For >10 To 20, Deduct	*-79.50*	
		For >20 To 40, Deduct	*-146.94*	
		For >40, Deduct	*-305.94*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,609.19	662.04
		For Bronze Or Satin Anodized Finish, Add	*128.51*	
		For Black Anodized Finish, Add	*257.02*	
		For >10 To 20, Deduct	*-84.51*	
		For >20 To 40, Deduct	*-156.16*	
		For >40, Deduct	*-325.17*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,740.83	680.43
		For Bronze Or Satin Anodized Finish, Add	*138.00*	
		For Black Anodized Finish, Add	*275.99*	
		For >10 To 20, Deduct	*-89.22*	
		For >20 To 40, Deduct	*-164.64*	
		For >40, Deduct	*-343.08*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,856.83	698.82
		For Bronze Or Satin Anodized Finish, Add	*145.92*	
		For Black Anodized Finish, Add	*291.84*	
		For >10 To 20, Deduct	*-93.31*	
		For >20 To 40, Deduct	*-172.03*	
		For >40, Deduct	*-358.64*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,957.18	717.21
		For Bronze Or Satin Anodized Finish, Add	*152.28*	
		For Black Anodized Finish, Add	*304.55*	
		For >10 To 20, Deduct	*-96.77*	
		For >20 To 40, Deduct	*-178.31*	
		For >40, Deduct	*-371.86*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,130.89	735.60
		For Bronze Or Satin Anodized Finish, Add	*165.97*	
		For Black Anodized Finish, Add	*331.94*	
		For >10 To 20, Deduct	*-103.17*	
		For >20 To 40, Deduct	*-189.74*	
		For >40, Deduct	*-396.07*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,878.91	625.26
		For Bronze Or Satin Anodized Finish, Add	*162.84*	
		For Black Anodized Finish, Add	*325.68*	
		For >10 To 20, Deduct	*-96.40*	
		For >20 To 40, Deduct	*-176.51*	
		For >40, Deduct	*-369.31*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,098.19	662.04
		For Bronze Or Satin Anodized Finish, Add	*177.41*	
		For Black Anodized Finish, Add	*354.82*	
		For >10 To 20, Deduct	*-104.07*	
		For >20 To 40, Deduct	*-190.39*	
		For >40, Deduct	*-398.52*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,249.40	680.43
		For Bronze Or Satin Anodized Finish, Add	*188.85*	
		For Black Anodized Finish, Add	*377.71*	
		For >10 To 20, Deduct	*-109.56*	
		For >20 To 40, Deduct	*-200.24*	
		For >40, Deduct	*-419.37*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,366.37	698.82
		For Bronze Or Satin Anodized Finish, Add	*196.87*	
		For Black Anodized Finish, Add	*393.75*	
		For >10 To 20, Deduct	*-113.69*	
		For >20 To 40, Deduct	*-207.69*	
		For >40, Deduct	*-435.07*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,435.43	717.21
		For Bronze Or Satin Anodized Finish, Add	*200.10*	
		For Black Anodized Finish, Add	*400.20*	
		For >10 To 20, Deduct	*-115.90*	
		For >20 To 40, Deduct	*-211.79*	
		For >40, Deduct	*-443.59*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,625.77	735.60
		For Bronze Or Satin Anodized Finish, Add	*215.46*	
		For Black Anodized Finish, Add	*430.91*	
		For >10 To 20, Deduct	*-122.96*	
		For >20 To 40, Deduct	*-224.38*	
		For >40, Deduct	*-470.31*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,744.92	625.26
		For Bronze Or Satin Anodized Finish, Add	*149.44*	
		For Black Anodized Finish, Add	*298.88*	
		For >10 To 20, Deduct	*-91.04*	
		For >20 To 40, Deduct	*-167.13*	
		For >40, Deduct	*-349.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,946.60	662.04
		For Bronze Or Satin Anodized Finish, Add	*162.25*	
		For Black Anodized Finish, Add	*324.50*	
		For >10 To 20, Deduct	*-98.00*	
		For >20 To 40, Deduct	*-179.78*	
		For >40, Deduct	*-375.79*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,027.39	680.43
		For Bronze Or Satin Anodized Finish, Add	*166.65*	
		For Black Anodized Finish, Add	*333.31*	
		For >10 To 20, Deduct	*-100.68*	
		For >20 To 40, Deduct	*-184.70*	
		For >40, Deduct	*-386.07*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,220.65	698.82
		For Bronze Or Satin Anodized Finish, Add	*182.30*	
		For Black Anodized Finish, Add	*364.60*	
		For >10 To 20, Deduct	*-107.86*	
		For >20 To 40, Deduct	*-197.49*	
		For >40, Deduct	*-413.22*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,320.02	717.21
		For Bronze Or Satin Anodized Finish, Add	*188.56*	
		For Black Anodized Finish, Add	*377.12*	
		For >10 To 20, Deduct	*-111.28*	
		For >20 To 40, Deduct	*-203.71*	
		For >40, Deduct	*-426.28*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,511.34	735.60
		For Bronze Or Satin Anodized Finish, Add	*204.01*	
		For Black Anodized Finish, Add	*408.03*	
		For >10 To 20, Deduct	*-118.39*	
		For >20 To 40, Deduct	*-216.37*	
		For >40, Deduct	*-453.14*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,357.15	625.26
		For Bronze Or Satin Anodized Finish, Add	*210.66*	
		For Black Anodized Finish, Add	*421.33*	
		For >10 To 20, Deduct	*-115.53*	
		For >20 To 40, Deduct	*-209.99*	
		For >40, Deduct	*-441.05*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,550.03	662.04
		For Bronze Or Satin Anodized Finish, Add	*222.60*	
		For Black Anodized Finish, Add	*445.19*	
		For >10 To 20, Deduct	*-122.14*	
		For >20 To 40, Deduct	*-222.02*	
		For >40, Deduct	*-466.30*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,703.19	680.43
		For Bronze Or Satin Anodized Finish, Add	*234.23*	
		For Black Anodized Finish, Add	*468.47*	
		For >10 To 20, Deduct	*-127.71*	
		For >20 To 40, Deduct	*-232.01*	
		For >40, Deduct	*-487.44*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,935.58	698.82
		For Bronze Or Satin Anodized Finish, Add	*253.79*	
		For Black Anodized Finish, Add	*507.59*	
		For >10 To 20, Deduct	*-136.46*	
		For >20 To 40, Deduct	*-247.54*	
		For >40, Deduct	*-520.46*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,993.87	717.21
		For Bronze Or Satin Anodized Finish, Add	*255.95*	
		For Black Anodized Finish, Add	*511.89*	
		For >10 To 20, Deduct	*-138.24*	
		For >20 To 40, Deduct	*-250.88*	
		For >40, Deduct	*-527.36*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,225.29	735.60
		For Bronze Or Satin Anodized Finish, Add	*275.41*	
		For Black Anodized Finish, Add	*550.82*	
		For >10 To 20, Deduct	*-146.94*	
		For >20 To 40, Deduct	*-266.35*	
		For >40, Deduct	*-560.23*	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,413.69	1,103.40
		For Bronze Or Satin Anodized Finish, Add	*320.69*	
		For Black Anodized Finish, Add	*641.38*	
		For >10 To 20, Deduct	*-183.45*	
		For >20 To 40, Deduct	*-334.82*	
		For >40, Deduct	*-701.71*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,534.97	1,103.40
		For Bronze Or Satin Anodized Finish, Add	*332.82*	
		For Black Anodized Finish, Add	*665.63*	
		For >10 To 20, Deduct	*-188.30*	
		For >20 To 40, Deduct	*-343.31*	
		For >40, Deduct	*-719.91*	

26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	928.41	220.68
		For Bronze, Satin Or Black Anodized Finish, Add	*73.06*	
		For >10 To 20, Deduct	*-30.52*	
		For >20 To 40, Deduct	*-56.16*	
		For >40, Deduct	*-117.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,022.51	257.46
		For Bronze, Satin Or Black Anodized Finish, Add	*76.14*	
		For >10 To 20, Deduct	*-33.18*	
		For >20 To 40, Deduct	*-61.28*	
		For >40, Deduct	*-127.63*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,117.58	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*79.37*	
		For >10 To 20, Deduct	*-35.88*	
		For >20 To 40, Deduct	*-66.46*	
		For >40, Deduct	*-138.21*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,214.62	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*82.89*	
		For >10 To 20, Deduct	*-38.65*	
		For >20 To 40, Deduct	*-71.78*	
		For >40, Deduct	*-149.09*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,310.67	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*86.26*	
		For >10 To 20, Deduct	*-41.39*	
		For >20 To 40, Deduct	*-77.03*	
		For >40, Deduct	*-159.82*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,034.24	257.46
		For Bronze, Satin Or Black Anodized Finish, Add	*77.90*	
		For >10 To 20, Deduct	*-33.65*	
		For >20 To 40, Deduct	*-62.10*	
		For >40, Deduct	*-129.39*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,131.28	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*81.42*	
		For >10 To 20, Deduct	*-36.42*	
		For >20 To 40, Deduct	*-67.42*	
		For >40, Deduct	*-140.27*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,230.26	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*85.23*	
		For >10 To 20, Deduct	*-39.28*	
		For >20 To 40, Deduct	*-72.88*	
		For >40, Deduct	*-151.44*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,328.27	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*88.90*	
		For >10 To 20, Deduct	*-42.10*	
		For >20 To 40, Deduct	*-78.27*	
		For >40, Deduct	*-162.46*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,439.00	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*94.48*	
		For >10 To 20, Deduct	*-45.42*	
		For >20 To 40, Deduct	*-84.55*	
		For >40, Deduct	*-175.39*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,540.92	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*98.73*	
		For >10 To 20, Deduct	*-48.40*	
		For >20 To 40, Deduct	*-90.21*	
		For >40, Deduct	*-187.00*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,169.42	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*87.14*	
		For >10 To 20, Deduct	*-37.95*	
		For >20 To 40, Deduct	*-70.09*	
		For >40, Deduct	*-145.99*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,273.30	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-41.00*	
		For >20 To 40, Deduct	*-75.89*	
		For >40, Deduct	*-157.89*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,388.91	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*98.00*	
		For >10 To 20, Deduct	*-44.52*	
		For >20 To 40, Deduct	*-82.51*	
		For >40, Deduct	*-171.56*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,494.74	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-47.65*	
		For >20 To 40, Deduct	*-88.45*	
		For >40, Deduct	*-183.75*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,613.29	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*109.59*	
		For >10 To 20, Deduct	*-51.29*	
		For >20 To 40, Deduct	*-95.28*	
		For >40, Deduct	*-197.86*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,444.66	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-46.75*	
		For >20 To 40, Deduct	*-86.41*	
		For >40, Deduct	*-179.92*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,570.05	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*114.13*	
		For >10 To 20, Deduct	*-50.66*	
		For >20 To 40, Deduct	*-93.72*	
		For >40, Deduct	*-195.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,673.93	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-53.72*	
		For >20 To 40, Deduct	*-99.52*	
		For >40, Deduct	*-206.95*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,199.74	294.24
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-39.16*	
		For >20 To 40, Deduct	*-72.21*	
		For >40, Deduct	*-150.54*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,319.26	331.02
		For Bronze, Satin Or Black Anodized Finish, Add	*98.58*	
		For >10 To 20, Deduct	*-42.84*	
		For >20 To 40, Deduct	*-79.11*	
		For >40, Deduct	*-164.79*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,444.66	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-46.75*	
		For >20 To 40, Deduct	*-86.41*	
		For >40, Deduct	*-179.92*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,558.32	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*112.37*	
		For >10 To 20, Deduct	*-50.20*	
		For >20 To 40, Deduct	*-92.90*	
		For >40, Deduct	*-193.29*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,678.82	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-53.91*	
		For >20 To 40, Deduct	*-99.86*	
		For >40, Deduct	*-207.69*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,508.23	367.80
		For Bronze, Satin Or Black Anodized Finish, Add	*115.89*	
		For >10 To 20, Deduct	*-49.30*	
		For >20 To 40, Deduct	*-90.86*	
		For >40, Deduct	*-189.45*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,641.45	404.58
		For Bronze, Satin Or Black Anodized Finish, Add	*124.84*	
		For >10 To 20, Deduct	*-53.52*	
		For >20 To 40, Deduct	*-98.72*	
		For >40, Deduct	*-205.76*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,750.21	441.36
		For Bronze, Satin Or Black Anodized Finish, Add	*130.12*	
		For >10 To 20, Deduct	*-56.77*	
		For >20 To 40, Deduct	*-104.86*	
		For >40, Deduct	*-218.40*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	657.29	183.90
		For Bronze Or Satin Anodized Finish, Add	*28.95*	
		For Black Anodized Finish, Add	*57.90*	
		For >10 To 20, Deduct	*-20.77*	
		For >20 To 40, Deduct	*-38.65*	
		For >40, Deduct	*-80.20*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	684.68	183.90
		For Bronze Or Satin Anodized Finish, Add	*31.69*	
		For Black Anodized Finish, Add	*63.38*	
		For >10 To 20, Deduct	*-21.87*	
		For >20 To 40, Deduct	*-40.57*	
		For >40, Deduct	*-84.31*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	743.95	202.29
		For Bronze Or Satin Anodized Finish, Add	*33.94*	
		For Black Anodized Finish, Add	*67.87*	
		For >10 To 20, Deduct	*-23.69*	
		For >20 To 40, Deduct	*-43.98*	
		For >40, Deduct	*-91.36*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	796.38	220.68
		For Bronze Or Satin Anodized Finish, Add	*35.50*	
		For Black Anodized Finish, Add	*71.00*	
		For >10 To 20, Deduct	*-25.23*	
		For >20 To 40, Deduct	*-46.92*	
		For >40, Deduct	*-97.39*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	831.59	220.68
		For Bronze Or Satin Anodized Finish, Add	*39.02*	
		For Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-26.64*	
		For >20 To 40, Deduct	*-49.38*	
		For >40, Deduct	*-102.67*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	770.36	202.29
		For Bronze Or Satin Anodized Finish, Add	*36.58*	
		For Black Anodized Finish, Add	*73.16*	
		For >10 To 20, Deduct	*-24.75*	
		For >20 To 40, Deduct	*-45.83*	
		For >40, Deduct	*-95.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	834.52	220.68
		For Bronze Or Satin Anodized Finish, Add	*39.32*	
		For Black Anodized Finish, Add	*78.63*	
		For >10 To 20, Deduct	*-26.76*	
		For >20 To 40, Deduct	*-49.59*	
		For >40, Deduct	*-103.11*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	854.08	220.68
		For Bronze Or Satin Anodized Finish, Add	*41.27*	
		For Black Anodized Finish, Add	*82.54*	
		For >10 To 20, Deduct	*-27.54*	
		For >20 To 40, Deduct	*-50.96*	
		For >40, Deduct	*-106.04*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	922.16	239.07
		For Bronze Or Satin Anodized Finish, Add	*44.40*	
		For Black Anodized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-29.71*	
		For >20 To 40, Deduct	*-54.99*	
		For >40, Deduct	*-114.42*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	986.32	257.46
		For Bronze Or Satin Anodized Finish, Add	*47.14*	
		For Black Anodized Finish, Add	*94.28*	
		For >10 To 20, Deduct	*-31.73*	
		For >20 To 40, Deduct	*-58.74*	
		For >40, Deduct	*-122.20*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	910.80	220.68
		For Bronze Or Satin Anodized Finish, Add	*46.94*	
		For Black Anodized Finish, Add	*93.89*	
		For >10 To 20, Deduct	*-29.81*	
		For >20 To 40, Deduct	*-54.93*	
		For >40, Deduct	*-114.55*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	984.75	239.07
		For Bronze Or Satin Anodized Finish, Add	*50.66*	
		For Black Anodized Finish, Add	*101.32*	
		For >10 To 20, Deduct	*-32.22*	
		For >20 To 40, Deduct	*-59.37*	
		For >40, Deduct	*-123.81*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,053.80	257.46
		For Bronze Or Satin Anodized Finish, Add	*53.89*	
		For Black Anodized Finish, Add	*107.78*	
		For >10 To 20, Deduct	*-34.43*	
		For >20 To 40, Deduct	*-63.47*	
		For >40, Deduct	*-132.32*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,064.95	239.07
		For Bronze Or Satin Anodized Finish, Add	*58.68*	
		For Black Anodized Finish, Add	*117.36*	
		For >10 To 20, Deduct	*-35.43*	
		For >20 To 40, Deduct	*-64.98*	
		For >40, Deduct	*-135.84*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,358.17	294.24
		For Bronze Or Satin Anodized Finish, Add	*76.97*	
		For Black Anodized Finish, Add	*153.94*	
		For >10 To 20, Deduct	*-45.50*	
		For >20 To 40, Deduct	*-83.30*	
		For >40, Deduct	*-174.30*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,468.69	294.24
		For Bronze Or Satin Anodized Finish, Add	*88.02*	
		For Black Anodized Finish, Add	*176.04*	
		For >10 To 20, Deduct	*-49.92*	
		For >20 To 40, Deduct	*-91.04*	
		For >40, Deduct	*-190.88*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,637.12	331.02
		For Bronze Or Satin Anodized Finish, Add	*97.51*	
		For Black Anodized Finish, Add	*195.02*	
		For >10 To 20, Deduct	*-55.55*	
		For >20 To 40, Deduct	*-101.36*	
		For >40, Deduct	*-212.47*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,757.41	331.02
		For Bronze Or Satin Anodized Finish, Add	*109.54*	
		For Black Anodized Finish, Add	*219.07*	
		For >10 To 20, Deduct	*-60.37*	
		For >20 To 40, Deduct	*-109.78*	
		For >40, Deduct	*-230.51*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	845.28	220.68
		For Bronze Or Satin Anodized Finish, Add	*40.39*	
		For Black Anodized Finish, Add	*80.78*	
		For >10 To 20, Deduct	*-27.19*	
		For >20 To 40, Deduct	*-50.34*	
		For >40, Deduct	*-104.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	939.38	257.46
		For Bronze Or Satin Anodized Finish, Add	*42.45*	
		For Black Anodized Finish, Add	*84.89*	
		For >10 To 20, Deduct	*-29.85*	
		For >20 To 40, Deduct	*-55.46*	
		For >40, Deduct	*-115.16*	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,041.30	294.24
		For Bronze Or Satin Anodized Finish, Add	*45.28*	
		For Black Anodized Finish, Add	*90.56*	
		For >10 To 20, Deduct	*-32.82*	
		For >20 To 40, Deduct	*-61.12*	
		For >40, Deduct	*-126.77*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,142.24	331.02
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-35.76*	
		For >20 To 40, Deduct	*-66.72*	
		For >40, Deduct	*-138.23*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,196.63	349.41
		For Bronze Or Satin Anodized Finish, Add	*49.78*	
		For Black Anodized Finish, Add	*99.56*	
		For >10 To 20, Deduct	*-37.38*	
		For >20 To 40, Deduct	*-69.79*	
		For >40, Deduct	*-144.55*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,251.01	367.80
		For Bronze Or Satin Anodized Finish, Add	*51.54*	
		For Black Anodized Finish, Add	*103.08*	
		For >10 To 20, Deduct	*-39.01*	
		For >20 To 40, Deduct	*-72.86*	
		For >40, Deduct	*-150.87*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,357.82	404.58
		For Bronze Or Satin Anodized Finish, Add	*54.87*	
		For Black Anodized Finish, Add	*109.73*	
		For >10 To 20, Deduct	*-42.18*	
		For >20 To 40, Deduct	*-78.86*	
		For >40, Deduct	*-163.22*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,473.44	441.36
		For Bronze Or Satin Anodized Finish, Add	*59.07*	
		For Black Anodized Finish, Add	*118.14*	
		For >10 To 20, Deduct	*-45.70*	
		For >20 To 40, Deduct	*-85.49*	
		For >40, Deduct	*-176.88*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,318.49	367.80
		For Bronze Or Satin Anodized Finish, Add	*58.29*	
		For Black Anodized Finish, Add	*116.58*	
		For >10 To 20, Deduct	*-41.71*	
		For >20 To 40, Deduct	*-77.58*	
		For >40, Deduct	*-160.99*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,427.26	404.58
		For Bronze Or Satin Anodized Finish, Add	*61.81*	
		For Black Anodized Finish, Add	*123.62*	
		For >10 To 20, Deduct	*-44.95*	
		For >20 To 40, Deduct	*-83.73*	
		For >40, Deduct	*-173.63*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,548.74	441.36
		For Bronze Or Satin Anodized Finish, Add	*66.60*	
		For Black Anodized Finish, Add	*133.20*	
		For >10 To 20, Deduct	*-48.71*	
		For >20 To 40, Deduct	*-90.76*	
		For >40, Deduct	*-188.18*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,490.03	349.41
		For Bronze Or Satin Anodized Finish, Add	*79.12*	
		For Black Anodized Finish, Add	*158.24*	
		For >10 To 20, Deduct	*-49.12*	
		For >20 To 40, Deduct	*-90.33*	
		For >40, Deduct	*-188.56*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,829.43	441.36
		For Bronze Or Satin Anodized Finish, Add	*94.67*	
		For Black Anodized Finish, Add	*189.34*	
		For >10 To 20, Deduct	*-59.94*	
		For >20 To 40, Deduct	*-110.41*	
		For >40, Deduct	*-230.28*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,245.92	588.48
		For Bronze Or Satin Anodized Finish, Add	*106.90*	
		For Black Anodized Finish, Add	*213.79*	
		For >10 To 20, Deduct	*-72.18*	
		For >20 To 40, Deduct	*-133.68*	
		For >40, Deduct	*-278.04*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,609.38	441.36
		For Bronze Or Satin Anodized Finish, Add	*72.67*	
		For Black Anodized Finish, Add	*145.33*	
		For >10 To 20, Deduct	*-51.13*	
		For >20 To 40, Deduct	*-95.00*	
		For >40, Deduct	*-197.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,947.77	441.36
		For Bronze Or Satin Anodized Finish, Add	*106.51*	
		For Black Anodized Finish, Add	*213.01*	
		For >10 To 20, Deduct	*-64.67*	
		For >20 To 40, Deduct	*-118.69*	
		For >40, Deduct	*-248.03*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,353.51	588.48
		For Bronze Or Satin Anodized Finish, Add	*117.66*	
		For Black Anodized Finish, Add	*235.31*	
		For >10 To 20, Deduct	*-76.49*	
		For >20 To 40, Deduct	*-141.21*	
		For >40, Deduct	*-294.18*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,133.59	441.36
		For Bronze Or Satin Anodized Finish, Add	*125.09*	
		For Black Anodized Finish, Add	*250.17*	
		For >10 To 20, Deduct	*-72.10*	
		For >20 To 40, Deduct	*-131.70*	
		For >40, Deduct	*-275.90*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,596.05	588.48
		For Bronze Or Satin Anodized Finish, Add	*141.91*	
		For Black Anodized Finish, Add	*283.82*	
		For >10 To 20, Deduct	*-86.19*	
		For >20 To 40, Deduct	*-158.18*	
		For >40, Deduct	*-330.56*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,995.50	662.04
		For Bronze Or Satin Anodized Finish, Add	*167.14*	
		For Black Anodized Finish, Add	*334.28*	
		For >10 To 20, Deduct	*-99.96*	
		For >20 To 40, Deduct	*-183.20*	
		For >40, Deduct	*-383.12*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	753.14	183.90
		For Bronze Or Satin Anodized Finish, Add	*38.53*	
		For Black Anodized Finish, Add	*77.07*	
		For >10 To 20, Deduct	*-24.61*	
		For >20 To 40, Deduct	*-45.36*	
		For >40, Deduct	*-94.58*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	839.79	202.29
		For Bronze Or Satin Anodized Finish, Add	*43.52*	
		For Black Anodized Finish, Add	*87.04*	
		For >10 To 20, Deduct	*-27.52*	
		For >20 To 40, Deduct	*-50.69*	
		For >40, Deduct	*-105.74*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	897.11	220.68
		For Bronze Or Satin Anodized Finish, Add	*45.58*	
		For Black Anodized Finish, Add	*91.15*	
		For >10 To 20, Deduct	*-29.26*	
		For >20 To 40, Deduct	*-53.97*	
		For >40, Deduct	*-112.50*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	921.56	220.68
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-30.24*	
		For >20 To 40, Deduct	*-55.68*	
		For >40, Deduct	*-116.17*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	951.88	220.68
		For Bronze Or Satin Anodized Finish, Add	*51.05*	
		For Black Anodized Finish, Add	*102.10*	
		For >10 To 20, Deduct	*-31.45*	
		For >20 To 40, Deduct	*-57.80*	
		For >40, Deduct	*-120.71*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,092.33	239.07
		For Bronze Or Satin Anodized Finish, Add	*61.42*	
		For Black Anodized Finish, Add	*122.84*	
		For >10 To 20, Deduct	*-36.52*	
		For >20 To 40, Deduct	*-66.90*	
		For >40, Deduct	*-139.94*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,171.16	257.46
		For Bronze Or Satin Anodized Finish, Add	*65.62*	
		For Black Anodized Finish, Add	*131.25*	
		For >10 To 20, Deduct	*-39.12*	
		For >20 To 40, Deduct	*-71.68*	
		For >40, Deduct	*-149.93*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,324.71	257.46
		For Bronze Or Satin Anodized Finish, Add	*80.98*	
		For Black Anodized Finish, Add	*161.96*	
		For >10 To 20, Deduct	*-45.26*	
		For >20 To 40, Deduct	*-82.43*	
		For >40, Deduct	*-172.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,521.50	294.24
		For Bronze Or Satin Anodized Finish, Add	*93.30*	
		For Black Anodized Finish, Add	*186.60*	
		For >10 To 20, Deduct	*-52.03*	
		For >20 To 40, Deduct	*-94.74*	
		For >40, Deduct	*-198.80*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,864.78	294.24
		For Bronze Or Satin Anodized Finish, Add	*127.63*	
		For Black Anodized Finish, Add	*255.26*	
		For >10 To 20, Deduct	*-65.76*	
		For >20 To 40, Deduct	*-118.77*	
		For >40, Deduct	*-250.29*	
26 56 13 00-0506		**Factory Accessories For Aluminum Area Light Poles** *(26 56 13 00-0294)*		
26 56 13 00-0507	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	84.58	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	36.45	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	127.96	
26 56 13 00-0510		**Fiberglass Area Light Poles** *(26 56 13 00-0177)*		
		Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511		**Round Tapered, Fiberglass Area Light Poles** *(26 56 13 00-0510)*		
26 56 13 00-0512		**Round Tapered, Fiberglass Area Light Poles, Anchor Base** *(26 56 13 00-0511)*		
26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,295.87	257.46
		For >10 To 20, Deduct	*-44.11*	
		For >20 To 40, Deduct	*-80.41*	
		For >40, Deduct	*-168.63*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,415.91	294.24
		For >10 To 20, Deduct	*-47.81*	
		For >20 To 40, Deduct	*-87.34*	
		For >40, Deduct	*-182.96*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,537.28	331.02
		For >10 To 20, Deduct	*-51.56*	
		For >20 To 40, Deduct	*-94.37*	
		For >40, Deduct	*-197.49*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,657.33	367.80
		For >10 To 20, Deduct	*-55.26*	
		For >20 To 40, Deduct	*-101.30*	
		For >40, Deduct	*-211.82*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,801.28	404.58
		For >10 To 20, Deduct	*-59.91*	
		For >20 To 40, Deduct	*-109.91*	
		For >40, Deduct	*-229.73*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,923.98	441.36
		For >10 To 20, Deduct	*-63.72*	
		For >20 To 40, Deduct	*-117.02*	
		For >40, Deduct	*-244.46*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,118.91	514.92
		For >10 To 20, Deduct	*-69.31*	
		For >20 To 40, Deduct	*-127.73*	
		For >40, Deduct	*-266.34*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,312.52	588.48
		For >10 To 20, Deduct	*-74.85*	
		For >20 To 40, Deduct	*-138.34*	
		For >40, Deduct	*-288.03*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,420.10	588.48
		For >10 To 20, Deduct	*-79.15*	
		For >20 To 40, Deduct	*-145.87*	
		For >40, Deduct	*-304.17*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,587.96	625.26
		For >10 To 20, Deduct	*-84.76*	
		For >20 To 40, Deduct	*-156.15*	
		For >40, Deduct	*-325.67*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,755.81	662.04
		For >10 To 20, Deduct	*-90.37*	
		For >20 To 40, Deduct	*-166.43*	
		For >40, Deduct	*-347.17*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,418.06	257.46
		For >10 To 20, Deduct	*-49.00*	
		For >20 To 40, Deduct	*-88.97*	
		For >40, Deduct	*-186.96*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,514.19	294.24
		For >10 To 20, Deduct	*-51.74*	
		For >20 To 40, Deduct	*-94.22*	
		For >40, Deduct	*-197.70*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,611.66	331.02
		For >10 To 20, Deduct	*-54.54*	
		For >20 To 40, Deduct	*-99.58*	
		For >40, Deduct	*-208.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,711.78	367.80
		For >10 To 20, Deduct	*-57.44*	
		For >20 To 40, Deduct	*-105.11*	
		For >40, Deduct	*-219.99*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,818.55	404.58
		For >10 To 20, Deduct	*-60.60*	
		For >20 To 40, Deduct	*-111.12*	
		For >40, Deduct	*-232.32*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,923.98	441.36
		For >10 To 20, Deduct	*-63.72*	
		For >20 To 40, Deduct	*-117.02*	
		For >40, Deduct	*-244.46*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,102.98	514.92
		For >10 To 20, Deduct	*-68.67*	
		For >20 To 40, Deduct	*-126.61*	
		For >40, Deduct	*-263.96*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,312.52	588.48
		For >10 To 20, Deduct	*-74.85*	
		For >20 To 40, Deduct	*-138.34*	
		For >40, Deduct	*-288.03*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,357.68	588.48
		For >10 To 20, Deduct	*-76.65*	
		For >20 To 40, Deduct	*-141.50*	
		For >40, Deduct	*-294.80*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,477.72	625.26
		For >10 To 20, Deduct	*-80.35*	
		For >20 To 40, Deduct	*-148.43*	
		For >40, Deduct	*-309.13*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,597.77	662.04
		For >10 To 20, Deduct	*-84.05*	
		For >20 To 40, Deduct	*-155.36*	
		For >40, Deduct	*-323.46*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,597.35	257.46
		For >10 To 20, Deduct	*-56.17*	
		For >20 To 40, Deduct	*-101.52*	
		For >40, Deduct	*-213.86*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,712.09	294.24
		For >10 To 20, Deduct	*-59.66*	
		For >20 To 40, Deduct	*-108.08*	
		For >40, Deduct	*-227.39*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,826.82	331.02
		For >10 To 20, Deduct	*-63.14*	
		For >20 To 40, Deduct	*-114.64*	
		For >40, Deduct	*-240.92*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,942.88	367.80
		For >10 To 20, Deduct	*-66.68*	
		For >20 To 40, Deduct	*-121.29*	
		For >40, Deduct	*-254.65*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,064.25	404.58
		For >10 To 20, Deduct	*-70.43*	
		For >20 To 40, Deduct	*-128.31*	
		For >40, Deduct	*-269.18*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,193.59	441.36
		For >10 To 20, Deduct	*-74.50*	
		For >20 To 40, Deduct	*-135.90*	
		For >40, Deduct	*-284.90*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,408.45	514.92
		For >10 To 20, Deduct	*-80.89*	
		For >20 To 40, Deduct	*-147.99*	
		For >40, Deduct	*-309.78*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,624.63	588.48
		For >10 To 20, Deduct	*-87.33*	
		For >20 To 40, Deduct	*-160.18*	
		For >40, Deduct	*-334.85*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,693.70	588.48
		For >10 To 20, Deduct	*-90.09*	
		For >20 To 40, Deduct	*-165.02*	
		For >40, Deduct	*-345.21*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,876.16	625.26
		For >10 To 20, Deduct	*-96.29*	
		For >20 To 40, Deduct	*-176.32*	
		For >40, Deduct	*-368.90*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,028.08	662.04
		For >10 To 20, Deduct	*-101.26*	
		For >20 To 40, Deduct	*-185.48*	
		For >40, Deduct	*-388.01*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,143.22	680.43
		For >10 To 20, Deduct	*-105.32*	
		For >20 To 40, Deduct	*-192.81*	
		For >40, Deduct	*-403.44*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,258.36	698.82
		For >10 To 20, Deduct	*-109.37*	
		For >20 To 40, Deduct	*-200.13*	
		For >40, Deduct	*-418.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0548		Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*		
26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	814.06	183.90
		For >10 To 20, Deduct	*-27.05*	
		For >20 To 40, Deduct	*-49.63*	
		For >40, Deduct	*-103.72*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	876.07	202.29
		For >10 To 20, Deduct	*-28.97*	
		For >20 To 40, Deduct	*-53.23*	
		For >40, Deduct	*-111.18*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	936.76	220.68
		For >10 To 20, Deduct	*-30.85*	
		For >20 To 40, Deduct	*-56.75*	
		For >40, Deduct	*-118.45*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	959.33	220.68
		For >10 To 20, Deduct	*-31.75*	
		For >20 To 40, Deduct	*-58.33*	
		For >40, Deduct	*-121.83*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,033.30	239.07
		For >10 To 20, Deduct	*-34.16*	
		For >20 To 40, Deduct	*-62.77*	
		For >40, Deduct	*-131.09*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,096.65	257.46
		For >10 To 20, Deduct	*-36.14*	
		For >20 To 40, Deduct	*-66.47*	
		For >40, Deduct	*-138.75*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,163.97	275.85
		For >10 To 20, Deduct	*-38.28*	
		For >20 To 40, Deduct	*-70.44*	
		For >40, Deduct	*-147.01*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,237.94	294.24
		For >10 To 20, Deduct	*-40.69*	
		For >20 To 40, Deduct	*-74.89*	
		For >40, Deduct	*-156.27*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,365.44	294.24
		For >10 To 20, Deduct	*-45.79*	
		For >20 To 40, Deduct	*-83.81*	
		For >40, Deduct	*-175.39*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,529.72	312.63
		For >10 To 20, Deduct	*-51.81*	
		For >20 To 40, Deduct	*-94.58*	
		For >40, Deduct	*-198.20*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,694.00	331.02
		For >10 To 20, Deduct	*-57.83*	
		For >20 To 40, Deduct	*-105.34*	
		For >40, Deduct	*-221.00*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	936.24	183.90
		For >10 To 20, Deduct	*-31.93*	
		For >20 To 40, Deduct	*-58.18*	
		For >40, Deduct	*-122.05*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,004.90	202.29
		For >10 To 20, Deduct	*-34.13*	
		For >20 To 40, Deduct	*-62.25*	
		For >40, Deduct	*-130.51*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,073.55	220.68
		For >10 To 20, Deduct	*-36.32*	
		For >20 To 40, Deduct	*-66.32*	
		For >40, Deduct	*-138.96*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,106.76	220.68
		For >10 To 20, Deduct	*-37.65*	
		For >20 To 40, Deduct	*-68.65*	
		For >40, Deduct	*-143.95*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,175.41	239.07
		For >10 To 20, Deduct	*-39.84*	
		For >20 To 40, Deduct	*-72.72*	
		For >40, Deduct	*-152.40*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,244.07	257.46
		For >10 To 20, Deduct	*-42.04*	
		For >20 To 40, Deduct	*-76.79*	
		For >40, Deduct	*-160.86*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,312.72	275.85
		For >10 To 20, Deduct	*-44.23*	
		For >20 To 40, Deduct	*-80.86*	
		For >40, Deduct	*-169.32*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,411.93	294.24
		For >10 To 20, Deduct	*-47.65*	
		For >20 To 40, Deduct	*-87.07*	
		For >40, Deduct	*-182.37*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,535.44	294.24
		For >10 To 20, Deduct	*-52.59*	
		For >20 To 40, Deduct	*-95.71*	
		For >40, Deduct	*-200.89*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,697.07	312.63
		For >10 To 20, Deduct	*-58.50*	
		For >20 To 40, Deduct	*-106.29*	
		For >40, Deduct	*-223.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,857.37	331.02
		For >10 To 20, Deduct	*-64.36*	
		For >20 To 40, Deduct	*-116.78*	
		For >40, Deduct	*-245.50*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,043.82	183.90
		For >10 To 20, Deduct	*-36.24*	
		For >20 To 40, Deduct	*-65.71*	
		For >40, Deduct	*-138.18*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,104.51	202.29
		For >10 To 20, Deduct	*-38.11*	
		For >20 To 40, Deduct	*-69.22*	
		For >40, Deduct	*-145.45*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,163.87	220.68
		For >10 To 20, Deduct	*-39.93*	
		For >20 To 40, Deduct	*-72.64*	
		For >40, Deduct	*-152.51*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,186.45	220.68
		For >10 To 20, Deduct	*-40.84*	
		For >20 To 40, Deduct	*-74.22*	
		For >40, Deduct	*-155.90*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,245.80	239.07
		For >10 To 20, Deduct	*-42.66*	
		For >20 To 40, Deduct	*-77.64*	
		For >40, Deduct	*-162.96*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,306.49	257.46
		For >10 To 20, Deduct	*-44.54*	
		For >20 To 40, Deduct	*-81.16*	
		For >40, Deduct	*-170.23*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,412.33	275.85
		For >10 To 20, Deduct	*-48.22*	
		For >20 To 40, Deduct	*-87.83*	
		For >40, Deduct	*-184.26*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,534.12	294.24
		For >10 To 20, Deduct	*-52.54*	
		For >20 To 40, Deduct	*-95.62*	
		For >40, Deduct	*-200.69*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,611.15	294.24
		For >10 To 20, Deduct	*-55.62*	
		For >20 To 40, Deduct	*-101.01*	
		For >40, Deduct	*-212.25*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,726.29	312.63
		For >10 To 20, Deduct	*-59.67*	
		For >20 To 40, Deduct	*-108.34*	
		For >40, Deduct	*-227.68*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,841.43	331.02
		For >10 To 20, Deduct	*-63.73*	
		For >20 To 40, Deduct	*-115.66*	
		For >40, Deduct	*-243.11*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.09
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.09
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	89.35
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	118.33

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,444.53	625.26
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,577.79	662.04
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,672.89	680.43
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,298.06	698.82
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,656.68	735.60
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,533.86	956.28
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,436.96	1,176.96
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,181.62	625.26
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,969.94	662.04
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	733.00	220.68
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,103.24	441.21
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	284.05	90.03
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	582.70	180.08

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,560.84	294.24
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,899.79	367.80
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,208.10	441.36
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,478.19	662.04
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,152.89	698.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,881.92	735.60
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,836.39	956.28
26 56 13 00-0610		**Round Tapered, Spun Concrete Area Light Poles, Direct Burial** *(26 56 13 00-0587)*		
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,296.28	1,655.10
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	23,033.38	2,055.61
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	27,336.69	2,776.88
26 56 13 00-0614		**Treated Wood Area Light Poles** *(26 56 13 00-0177)*		
		See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615		**Cast Iron Decorative Light Posts** *(26 56 13 00-0177)*		
26 56 13 00-0616		**Round Tapered, Cast Iron Decorative Light Post, Anchor Base** *(26 56 13 00-0615)*		
		Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,300.53	183.90
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,381.20	211.85
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,492.89	220.68
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,826.84	257.46
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,122.24	279.53
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,431.34	301.60
26 56 13 00-0623		**Landscape Light Poles** *(26 56 13 00-0001)*		
		Note: Excludes lighting fixtures.		
26 56 13 00-0624		**Aluminum Landscape Light Poles** *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0625		**Round Straight, Aluminum Landscape Light Poles** *(26 56 13 00-0624)*		
26 56 13 00-0626		**Round Straight, Aluminum Landscape Light Poles, Anchor Base** *(26 56 13 00-0625)*		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	528.39	220.68
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	863.93	294.24
26 56 13 00-0629		**Round Straight, Aluminum Landscape Light Poles, Direct Burial** *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	487.43	220.68
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	822.97	294.24
26 56 13 00-0632		**Steel Landscape Light Poles** *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0633		**Round Straight, Steel Landscape Light Poles** *(26 56 13 00-0632)*		
26 56 13 00-0634		**Round Straight, Steel Landscape Light Poles, Anchor Base** *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	585.77	220.68
26 56 13 00-0636		**Round Straight, Steel Landscape Light Poles, Direct Burial** *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	553.42	220.68
26 56 13 00-0638		**Light Pole Brackets And Arms** *(26 56 13 00-0001)*		
26 56 13 00-0639		**Light Pole Brackets** *(26 56 13 00-0638)*		
26 56 13 00-0640		**Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0639)*		
26 56 13 00-0641		**Round Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0640)*		
26 56 13 00-0642		**Steel, Round Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	667.37	44.14
		For Galvanized Finish, Add	*57.91*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	842.09	44.14
		For Galvanized Finish, Add	*75.38*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	895.42	44.14
		For Galvanized Finish, Add	*80.72*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,224.63	44.14
		For Galvanized Finish, Add	*113.64*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,275.90	44.14
		For Galvanized Finish, Add	*118.76*	
26 56 13 00-0648		**Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	247.69	44.14
		For Bronze Or Satin Anodized Finish, Add	*15.94*	
		For Black Anodized Finish, Add	*31.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	298.54	44.14
		For Bronze Or Satin Anodized Finish, Add	*21.03*	
		For Black Anodized Finish, Add	*42.05*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	312.23	44.14
		For Bronze Or Satin Anodized Finish, Add	*22.40*	
		For Black Anodized Finish, Add	*44.79*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	360.16	44.14
		For Bronze Or Satin Anodized Finish, Add	*27.19*	
		For Black Anodized Finish, Add	*54.38*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	369.94	44.14
		For Bronze Or Satin Anodized Finish, Add	*28.17*	
		For Black Anodized Finish, Add	*56.33*	
26 56 13 00-0654		**Square Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0640)*		
26 56 13 00-0655		**Steel, Square Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	717.26	44.14
		For Galvanized Finish, Add	*62.90*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	884.62	44.14
		For Galvanized Finish, Add	*79.64*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,081.18	44.14
		For Galvanized Finish, Add	*99.29*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,278.65	44.14
		For Galvanized Finish, Add	*119.04*	
26 56 13 00-0660		**Wood Pole Clamp On Style, Pole Top Area Light Brackets** *(26 56 13 00-0639)*		
26 56 13 00-0661		**Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets** *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	682.77	73.56
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,025.31	73.56
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,430.61	73.56
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,563.95	73.56
26 56 13 00-0666		**Light Pole Arms** *(26 56 13 00-0638)*		
26 56 13 00-0667		**Wood Pole Streetlight Arms** *(26 56 13 00-0666)*		
26 56 13 00-0668		**Steel, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	399.55	66.20
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	423.22	73.56
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	491.50	91.95
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	587.36	73.56
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	655.18	91.95
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	795.18	110.34
26 56 13 00-0675		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	256.63	73.56
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	312.80	73.56
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	416.31	91.95
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	543.09	110.34
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	757.85	73.56
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,185.29	80.92
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,316.91	88.27
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,563.02	95.63
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	904.38	91.95
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,288.87	99.30
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	306.54	73.56
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	378.52	91.95
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	452.47	110.34
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	304.58	73.56
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	424.91	80.92
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	374.61	91.95
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	518.42	99.30
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	454.42	110.34
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	628.55	117.69
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,427.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0700		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	59,004.24	2,281.79
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	62,326.53	2,389.84
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	65,686.79	2,545.93
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	69,083.01	2,750.04
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	72,499.18	3,002.09
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	76,895.40	3,302.53
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	80,447.94	3,602.72
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	83,729.26	3,902.91
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	87,281.79	4,203.24
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	91,601.72	4,503.44
26 56 13 00-0712		**High Mast Light Poles** *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	22,452.14	1,370.40
26 56 13 00-0714	EA	70' High Mast Light Poles	25,741.97	1,435.32
26 56 13 00-0715	EA	80' High Mast Light Poles	29,055.34	1,529.08
26 56 13 00-0716	EA	90' High Mast Light Poles	32,390.25	1,651.70
26 56 13 00-0717	EA	100' High Mast Light Poles	35,748.73	1,803.16
26 56 13 00-0718	EA	110' High Mast Light Poles	39,130.75	1,983.48
26 56 13 00-0719	EA	120' High Mast Light Poles	41,689.11	2,163.80
26 56 13 00-0720	EA	130' High Mast Light Poles	41,630.16	4,010.23
26 56 13 00-0721	EA	140' High Mast Light Poles	46,532.64	2,524.43
26 56 13 00-0722	EA	150' High Mast Light Poles	49,364.23	2,704.75
26 56 13 00-0723		**High Mast Lighting Accessories** *(26 56 13 00-0700)*		
		See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,039.74	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,940.24	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,226.77	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	936.76	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,746.59	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,003.09	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,115.30	
26 56 13 00-0731		**Concrete Bases** *(26 56 13 00-0001)*		
26 56 13 00-0732		**Concrete Bases, Cast In Place** *(26 56 13 00-0731)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA	Minimum Charge For Cast In Place Concrete Base For Poles	565.26	
		Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	64.76	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	92.12	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	125.44	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	165.86	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	223.17	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	281.63	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	410.47	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	565.81	
26 56 18		**Incandescent Exterior Lighting** *(26 56)*		
26 56 18 00-0001		**Exterior Globe** *(26 56 18)*		
26 56 18 00-0002		**Incandescent, Exterior Globe** *(26 56 18 00-0001)*		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	64.24	24.55
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	96.20	24.55
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	74.20	24.55
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	100.03	24.55
26 56 18 00-0007		**Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 18)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	284.97	98.17
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	297.29	104.31
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	326.91	110.44
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	320.86	122.71
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	360.99	141.11

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19		**LED Exterior Lighting** *(26 56)*		
26 56 19 00-0001		LED, Pole Mounted *(26 56 19)*		
26 56 19 00-0002		LED, Pole Mounted (Dialight) *(26 56 19 00-0001)*		
26 56 19 00-0003	EA	131 Watt, Enclosed And Gasketed, Exterior LED Roadway Fixture (Dialight SL2C4ELGH)	2,077.40	211.70
		For >50 To 100, Deduct	*-103.87*	
		For >100 To 250, Deduct	*-155.81*	
		For >250 To 500, Deduct	*-249.09*	
		For >500 To 1,000, Deduct	*-342.38*	
		For >1,000, Deduct	*-435.66*	
26 56 19 00-0004		LED, Pole Mounted (LED-Era) *(26 56 19 00-0001)*		
26 56 19 00-0005	EA	88 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS5)	2,579.52	192.45
		For >50 To 100, Deduct	*-128.98*	
		For >100 To 250, Deduct	*-193.46*	
		For >250 To 500, Deduct	*-312.82*	
		For >500 To 1,000, Deduct	*-432.17*	
		For >1,000, Deduct	*-551.52*	
26 56 19 00-0006	EA	124 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS7)	3,070.23	211.70
		For >50 To 100, Deduct	*-153.51*	
		For >100 To 250, Deduct	*-230.27*	
		For >250 To 500, Deduct	*-373.19*	
		For >500 To 1,000, Deduct	*-516.12*	
		For >1,000, Deduct	*-659.05*	
26 56 19 00-0007		LED, Pole Mounted (Lighting Science Group) *(26 56 19 00-0001)*		
26 56 19 00-0008	EA	50 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR1 CW R3 2B)	1,883.97	173.21
		For >50 To 100, Deduct	*-94.20*	
		For >100 To 250, Deduct	*-141.30*	
		For >250 To 500, Deduct	*-226.84*	
		For >500 To 1,000, Deduct	*-312.37*	
		For >1,000, Deduct	*-397.91*	
26 56 19 00-0009	EA	75 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR2 CW R3 2B)	1,922.47	192.45
		For >50 To 100, Deduct	*-96.12*	
		For >100 To 250, Deduct	*-144.19*	
		For >250 To 500, Deduct	*-230.69*	
		For >500 To 1,000, Deduct	*-317.19*	
		For >1,000, Deduct	*-403.69*	
26 56 19 00-0010	EA	100 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R2 2B)	2,080.03	202.08
		For >50 To 100, Deduct	*-104.00*	
		For >100 To 250, Deduct	*-156.00*	
		For >250 To 500, Deduct	*-249.90*	
		For >500 To 1,000, Deduct	*-343.80*	
		For >1,000, Deduct	*-437.70*	
26 56 19 00-0011	EA	100 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R3 2B)	2,080.03	202.08
		For >50 To 100, Deduct	*-104.00*	
		For >100 To 250, Deduct	*-156.00*	
		For >250 To 500, Deduct	*-249.90*	
		For >500 To 1,000, Deduct	*-343.80*	
		For >1,000, Deduct	*-437.70*	
26 56 19 00-0012	EA	150 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R2 2B)	2,118.53	221.32
		For >50 To 100, Deduct	*-105.93*	
		For >100 To 250, Deduct	*-158.89*	
		For >250 To 500, Deduct	*-253.75*	
		For >500 To 1,000, Deduct	*-348.61*	
		For >1,000, Deduct	*-443.47*	
26 56 19 00-0013	EA	150 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R3 2B)	2,118.53	221.32
		For >50 To 100, Deduct	*-105.93*	
		For >100 To 250, Deduct	*-158.89*	
		For >250 To 500, Deduct	*-253.75*	
		For >500 To 1,000, Deduct	*-348.61*	
		For >1,000, Deduct	*-443.47*	
26 56 19 00-0014	EA	86 Watt, Type V Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group SHB CW CLR)	2,481.09	192.45
		For >50 To 100, Deduct	*-124.05*	
		For >100 To 250, Deduct	*-186.08*	
		For >250 To 500, Deduct	*-300.51*	
		For >500 To 1,000, Deduct	*-414.95*	
		For >1,000, Deduct	*-529.38*	
26 56 19 00-0015		LED, Roadway Lighting *(26 56 19)*		
26 56 19 00-0016		LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0015)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0017		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)** *(26 56 19 00-0016)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0018	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,508.93	178.02
		For >50 To 100, Deduct	*-75.45*	
		For >100 To 250, Deduct	*-113.17*	
		For >250 To 500, Deduct	*-179.72*	
		For >500 To 1,000, Deduct	*-246.26*	
		For >1,000, Deduct	*-312.81*	
26 56 19 00-0019	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,332.77	182.83
		For >50 To 100, Deduct	*-116.64*	
		For >100 To 250, Deduct	*-174.96*	
		For >250 To 500, Deduct	*-282.45*	
		For >500 To 1,000, Deduct	*-389.95*	
		For >1,000, Deduct	*-497.45*	
26 56 19 00-0020		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)** *(26 56 19 00-0016)* Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0021	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,219.16	178.02
		For >50 To 100, Deduct	*-60.96*	
		For >100 To 250, Deduct	*-91.44*	
		For >250 To 500, Deduct	*-143.49*	
		For >500 To 1,000, Deduct	*-195.55*	
		For >1,000, Deduct	*-247.61*	
26 56 19 00-0022	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,305.47	178.02
		For >50 To 100, Deduct	*-65.27*	
		For >100 To 250, Deduct	*-97.91*	
		For >250 To 500, Deduct	*-154.28*	
		For >500 To 1,000, Deduct	*-210.66*	
		For >1,000, Deduct	*-267.03*	
26 56 19 00-0023	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,391.78	178.02
		For >50 To 100, Deduct	*-69.59*	
		For >100 To 250, Deduct	*-104.38*	
		For >250 To 500, Deduct	*-165.07*	
		For >500 To 1,000, Deduct	*-225.76*	
		For >1,000, Deduct	*-286.45*	
26 56 19 00-0024		**LED Roadway Lighting (Lithonia)** *(26 56 19 00-0015)*		
26 56 19 00-0025		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series)** *(26 56 19 00-0024)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0026	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,439.25	168.39
		For >50 To 100, Deduct	*-121.96*	
		For >100 To 250, Deduct	*-182.94*	
		For >250 To 500, Deduct	*-296.49*	
		For >500 To 1,000, Deduct	*-410.03*	
		For >1,000, Deduct	*-523.57*	
26 56 19 00-0027	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	4,034.89	173.21
		For >50 To 100, Deduct	*-201.74*	
		For >100 To 250, Deduct	*-302.62*	
		For >250 To 500, Deduct	*-495.70*	
		For >500 To 1,000, Deduct	*-688.79*	
		For >1,000, Deduct	*-881.87*	
26 56 19 00-0028		**LED Roadway Lighting (CREE® BetaLED®)** *(26 56 19 00-0015)*		
26 56 19 00-0029		**Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY)** *(26 56 19 00-0028)* Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0030	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	961.74	163.58
		For >50 To 100, Deduct	*-48.09*	
		For >100 To 250, Deduct	*-72.13*	
		For >250 To 500, Deduct	*-112.04*	
		For >500 To 1,000, Deduct	*-151.95*	
		For >1,000, Deduct	*-191.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0031	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,078.98	168.39
		For >50 To 100, Deduct	*-53.95*	
		For >100 To 250, Deduct	*-80.92*	
		For >250 To 500, Deduct	*-126.45*	
		For >500 To 1,000, Deduct	*-171.98*	
		For >1,000, Deduct	*-217.51*	
26 56 19 00-0032	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,220.33	173.21
		For >50 To 100, Deduct	*-61.02*	
		For >100 To 250, Deduct	*-91.52*	
		For >250 To 500, Deduct	*-143.88*	
		For >500 To 1,000, Deduct	*-196.24*	
		For >1,000, Deduct	*-248.59*	
26 56 19 00-0033	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,339.43	178.02
		For >50 To 100, Deduct	*-66.97*	
		For >100 To 250, Deduct	*-100.46*	
		For >250 To 500, Deduct	*-158.53*	
		For >500 To 1,000, Deduct	*-216.60*	
		For >1,000, Deduct	*-274.67*	
26 56 19 00-0034	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,458.52	182.83
		For >50 To 100, Deduct	*-72.93*	
		For >100 To 250, Deduct	*-109.39*	
		For >250 To 500, Deduct	*-173.17*	
		For >500 To 1,000, Deduct	*-236.96*	
		For >1,000, Deduct	*-300.74*	
26 56 19 00-0035	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,740.90	187.64
		For >50 To 100, Deduct	*-87.05*	
		For >100 To 250, Deduct	*-130.57*	
		For >250 To 500, Deduct	*-208.23*	
		For >500 To 1,000, Deduct	*-285.89*	
		For >1,000, Deduct	*-363.56*	
26 56 19 00-0036	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,860.00	192.45
		For >50 To 100, Deduct	*-93.00*	
		For >100 To 250, Deduct	*-139.50*	
		For >250 To 500, Deduct	*-222.88*	
		For >500 To 1,000, Deduct	*-306.25*	
		For >1,000, Deduct	*-389.63*	
26 56 19 00-0037	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,977.23	197.27
		For >50 To 100, Deduct	*-98.86*	
		For >100 To 250, Deduct	*-148.29*	
		For >250 To 500, Deduct	*-237.29*	
		For >500 To 1,000, Deduct	*-326.29*	
		For >1,000, Deduct	*-415.29*	
26 56 19 00-0038	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,205.80	202.08
		For >50 To 100, Deduct	*-110.29*	
		For >100 To 250, Deduct	*-165.44*	
		For >250 To 500, Deduct	*-265.62*	
		For >500 To 1,000, Deduct	*-365.81*	
		For >1,000, Deduct	*-465.99*	
26 56 19 00-0039	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,324.89	206.89
		For >50 To 100, Deduct	*-116.24*	
		For >100 To 250, Deduct	*-174.37*	
		For >250 To 500, Deduct	*-280.27*	
		For >500 To 1,000, Deduct	*-386.17*	
		For >1,000, Deduct	*-492.07*	
26 56 19 00-0040	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,443.99	211.70
		For >50 To 100, Deduct	*-122.20*	
		For >100 To 250, Deduct	*-183.30*	
		For >250 To 500, Deduct	*-294.91*	
		For >500 To 1,000, Deduct	*-406.53*	
		For >1,000, Deduct	*-518.14*	

26 56 19 00-0041 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0028)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0042	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,897.57	173.21
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-94.88*	
		For >100 To 250, Deduct	*-142.32*	
		For >250 To 500, Deduct	*-228.54*	
		For >500 To 1,000, Deduct	*-314.75*	
		For >1,000, Deduct	*-400.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0043	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,189.57	182.83
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-109.48*	
		For >100 To 250, Deduct	*-164.22*	
		For >250 To 500, Deduct	*-264.55*	
		For >500 To 1,000, Deduct	*-364.89*	
		For >1,000, Deduct	*-465.23*	
26 56 19 00-0044	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,481.57	192.45
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-124.08*	
		For >100 To 250, Deduct	*-186.12*	
		For >250 To 500, Deduct	*-300.57*	
		For >500 To 1,000, Deduct	*-415.03*	
		For >1,000, Deduct	*-529.49*	
26 56 19 00-0045	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,773.57	202.08
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-138.68*	
		For >100 To 250, Deduct	*-208.02*	
		For >250 To 500, Deduct	*-336.59*	
		For >500 To 1,000, Deduct	*-465.17*	
		For >1,000, Deduct	*-593.74*	
26 56 19 00-0046	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,644.47	211.70
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-182.22*	
		For >100 To 250, Deduct	*-273.34*	
		For >250 To 500, Deduct	*-444.97*	
		For >500 To 1,000, Deduct	*-616.61*	
		For >1,000, Deduct	*-788.25*	
26 56 19 00-0047	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,936.47	221.32
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-196.82*	
		For >100 To 250, Deduct	*-295.24*	
		For >250 To 500, Deduct	*-480.99*	
		For >500 To 1,000, Deduct	*-666.75*	
		For >1,000, Deduct	*-852.51*	
26 56 19 00-0048	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,228.45	230.94
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-211.42*	
		For >100 To 250, Deduct	*-317.13*	
		For >250 To 500, Deduct	*-517.01*	
		For >500 To 1,000, Deduct	*-716.88*	
		For >1,000, Deduct	*-916.76*	

26 56 19 00-0049 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0028)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0050	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	803.67	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*38.01*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.68*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-40.18*	
		For >100 To 250, Deduct	*-60.28*	
		For >250 To 500, Deduct	*-91.80*	
		For >500 To 1,000, Deduct	*-123.32*	
		For >1,000, Deduct	*-154.85*	
26 56 19 00-0051	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	803.67	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*38.01*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.68*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-40.18*	
		For >100 To 250, Deduct	*-60.28*	
		For >250 To 500, Deduct	*-91.80*	
		For >500 To 1,000, Deduct	*-123.32*	
		For >1,000, Deduct	*-154.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0052	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	886.38	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*38.01*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.68*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-44.32*	
		For >100 To 250, Deduct	*-66.48*	
		For >250 To 500, Deduct	*-102.14*	
		For >500 To 1,000, Deduct	*-137.80*	
		For >1,000, Deduct	*-173.45*	
26 56 19 00-0053	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	886.38	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*38.01*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.68*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-44.32*	
		For >100 To 250, Deduct	*-66.48*	
		For >250 To 500, Deduct	*-102.14*	
		For >500 To 1,000, Deduct	*-137.80*	
		For >1,000, Deduct	*-173.45*	
26 56 19 00-0054	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,033.43	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*54.08*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.45*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-51.67*	
		For >100 To 250, Deduct	*-77.51*	
		For >250 To 500, Deduct	*-120.52*	
		For >500 To 1,000, Deduct	*-163.53*	
		For >1,000, Deduct	*-206.54*	
26 56 19 00-0055	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,033.43	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*54.08*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.45*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-51.67*	
		For >100 To 250, Deduct	*-77.51*	
		For >250 To 500, Deduct	*-120.52*	
		For >500 To 1,000, Deduct	*-163.53*	
		For >1,000, Deduct	*-206.54*	
26 56 19 00-0056	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,171.31	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*54.08*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.45*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-58.57*	
		For >100 To 250, Deduct	*-87.85*	
		For >250 To 500, Deduct	*-137.75*	
		For >500 To 1,000, Deduct	*-187.66*	
		For >1,000, Deduct	*-237.56*	
26 56 19 00-0057	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,171.31	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*54.08*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.45*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-58.57*	
		For >100 To 250, Deduct	*-87.85*	
		For >250 To 500, Deduct	*-137.75*	
		For >500 To 1,000, Deduct	*-187.66*	
		For >1,000, Deduct	*-237.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0058	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	656.61	173.21
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-32.83*	
		For >100 To 250, Deduct	*-49.25*	
		For >250 To 500, Deduct	*-73.42*	
		For >500 To 1,000, Deduct	*-97.59*	
		For >1,000, Deduct	*-121.76*	
26 56 19 00-0059	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	656.61	173.21
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-32.83*	
		For >100 To 250, Deduct	*-49.25*	
		For >250 To 500, Deduct	*-73.42*	
		For >500 To 1,000, Deduct	*-97.59*	
		For >1,000, Deduct	*-121.76*	
26 56 19 00-0060	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	691.08	173.21
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-34.55*	
		For >100 To 250, Deduct	*-51.83*	
		For >250 To 500, Deduct	*-77.72*	
		For >500 To 1,000, Deduct	*-103.62*	
		For >1,000, Deduct	*-129.51*	
26 56 19 00-0061	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	691.08	173.21
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-34.55*	
		For >100 To 250, Deduct	*-51.83*	
		For >250 To 500, Deduct	*-77.72*	
		For >500 To 1,000, Deduct	*-103.62*	
		For >1,000, Deduct	*-129.51*	
26 56 19 00-0062	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	702.56	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-35.13*	
		For >100 To 250, Deduct	*-52.69*	
		For >250 To 500, Deduct	*-79.16*	
		For >500 To 1,000, Deduct	*-105.63*	
		For >1,000, Deduct	*-132.10*	
26 56 19 00-0063	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	702.56	173.21
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-35.13*	
		For >100 To 250, Deduct	*-52.69*	
		For >250 To 500, Deduct	*-79.16*	
		For >500 To 1,000, Deduct	*-105.63*	
		For >1,000, Deduct	*-132.10*	

26 56 19 00-0064 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0028)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0065	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	679.59	173.21
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*72.03*	
		For Bird Spikes, Add	*96.10*	
		For >50 To 100, Deduct	*-33.98*	
		For >100 To 250, Deduct	*-50.97*	
		For >250 To 500, Deduct	*-76.29*	
		For >500 To 1,000, Deduct	*-101.61*	
		For >1,000, Deduct	*-126.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0066	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	679.59	173.21
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*72.03*	
		For Bird Spikes, Add	*96.10*	
		For >50 To 100, Deduct	*-33.98*	
		For >100 To 250, Deduct	*-50.97*	
		For >250 To 500, Deduct	*-76.29*	
		For >500 To 1,000, Deduct	*-101.61*	
		For >1,000, Deduct	*-126.93*	
26 56 19 00-0067	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	702.56	173.21
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*72.03*	
		For Bird Spikes, Add	*96.10*	
		For >50 To 100, Deduct	*-35.13*	
		For >100 To 250, Deduct	*-52.69*	
		For >250 To 500, Deduct	*-79.16*	
		For >500 To 1,000, Deduct	*-105.63*	
		For >1,000, Deduct	*-132.10*	
26 56 19 00-0068	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	702.56	173.21
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*72.03*	
		For Bird Spikes, Add	*96.10*	
		For >50 To 100, Deduct	*-35.13*	
		For >100 To 250, Deduct	*-52.69*	
		For >250 To 500, Deduct	*-79.16*	
		For >500 To 1,000, Deduct	*-105.63*	
		For >1,000, Deduct	*-132.10*	

26 56 19 00-0069 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0015)*

26 56 19 00-0070 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0069)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0071	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,069.40	173.21
		For >50 To 100, Deduct	*-53.47*	
		For >100 To 250, Deduct	*-80.21*	
		For >250 To 500, Deduct	*-125.01*	
		For >500 To 1,000, Deduct	*-169.82*	
		For >1,000, Deduct	*-214.63*	
26 56 19 00-0072	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,450.21	192.45
		For >50 To 100, Deduct	*-72.51*	
		For >100 To 250, Deduct	*-108.77*	
		For >250 To 500, Deduct	*-171.65*	
		For >500 To 1,000, Deduct	*-234.54*	
		For >1,000, Deduct	*-297.43*	
26 56 19 00-0073	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,555.31	221.32
		For >50 To 100, Deduct	*-77.77*	
		For >100 To 250, Deduct	*-116.65*	
		For >250 To 500, Deduct	*-183.35*	
		For >500 To 1,000, Deduct	*-250.05*	
		For >1,000, Deduct	*-316.75*	
26 56 19 00-0074	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,315.67	240.57
		For >50 To 100, Deduct	*-115.78*	
		For >100 To 250, Deduct	*-173.68*	
		For >250 To 500, Deduct	*-277.43*	
		For >500 To 1,000, Deduct	*-381.19*	
		For >1,000, Deduct	*-484.94*	
26 56 19 00-0075	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	3,037.85	273.88
		For >50 To 100, Deduct	*-151.89*	
		For >100 To 250, Deduct	*-227.84*	
		For >250 To 500, Deduct	*-366.04*	
		For >500 To 1,000, Deduct	*-504.24*	
		For >1,000, Deduct	*-642.44*	

26 56 19 00-0076 LED Roadway Lighting (PlanLED) *(26 56 19 00-0015)*

26 56 19 00-0077 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0076)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0078	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,285.93	168.39
		For >50 To 100, Deduct	*-64.30*	
		For >100 To 250, Deduct	*-96.44*	
		For >250 To 500, Deduct	*-152.32*	
		For >500 To 1,000, Deduct	*-208.20*	
		For >1,000, Deduct	*-264.07*	
26 56 19 00-0079	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,398.98	170.24
		For >50 To 100, Deduct	*-69.95*	
		For >100 To 250, Deduct	*-104.92*	
		For >250 To 500, Deduct	*-166.36*	
		For >500 To 1,000, Deduct	*-227.80*	
		For >1,000, Deduct	*-289.23*	
26 56 19 00-0080	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,487.99	173.21
		For >50 To 100, Deduct	*-74.40*	
		For >100 To 250, Deduct	*-111.60*	
		For >250 To 500, Deduct	*-177.34*	
		For >500 To 1,000, Deduct	*-243.08*	
		For >1,000, Deduct	*-308.82*	

26 56 19 00-0081 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0076)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0082	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	846.95	164.33
		For >50 To 100, Deduct	*-42.35*	
		For >100 To 250, Deduct	*-63.52*	
		For >250 To 500, Deduct	*-97.65*	
		For >500 To 1,000, Deduct	*-131.78*	
		For >1,000, Deduct	*-165.92*	
26 56 19 00-0083	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	907.55	167.28
		For >50 To 100, Deduct	*-45.38*	
		For >100 To 250, Deduct	*-68.07*	
		For >250 To 500, Deduct	*-105.08*	
		For >500 To 1,000, Deduct	*-142.09*	
		For >1,000, Deduct	*-179.11*	
26 56 19 00-0084	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	1,003.14	170.24
		For >50 To 100, Deduct	*-50.16*	
		For >100 To 250, Deduct	*-75.24*	
		For >250 To 500, Deduct	*-116.88*	
		For >500 To 1,000, Deduct	*-158.52*	
		For >1,000, Deduct	*-200.17*	

26 56 19 00-0085 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0076)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0086	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,066.56	170.24
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*94.53*	
		For >50 To 100, Deduct	*-53.33*	
		For >100 To 250, Deduct	*-79.99*	
		For >250 To 500, Deduct	*-124.81*	
		For >500 To 1,000, Deduct	*-169.62*	
		For >1,000, Deduct	*-214.44*	
26 56 19 00-0087	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,183.24	171.73
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*28.56*	
		For >50 To 100, Deduct	*-59.16*	
		For >100 To 250, Deduct	*-88.74*	
		For >250 To 500, Deduct	*-139.32*	
		For >500 To 1,000, Deduct	*-189.89*	
		For >1,000, Deduct	*-240.47*	
26 56 19 00-0088	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,273.67	173.21
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*118.07*	
		For >50 To 100, Deduct	*-63.68*	
		For >100 To 250, Deduct	*-95.53*	
		For >250 To 500, Deduct	*-150.55*	
		For >500 To 1,000, Deduct	*-205.57*	
		For >1,000, Deduct	*-260.60*	

26 56 19 00-0089 LED Roadway Lighting (General Electric) *(26 56 19 00-0015)*

26 56 19 00-0090 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0089)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0091	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	646.59	163.58
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-32.33*	
		For >100 To 250, Deduct	*-48.49*	
		For >250 To 500, Deduct	*-72.64*	
		For >500 To 1,000, Deduct	*-96.79*	
		For >1,000, Deduct	*-120.95*	
26 56 19 00-0092	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	651.03	165.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-32.55*	
		For >100 To 250, Deduct	*-48.83*	
		For >250 To 500, Deduct	*-73.09*	
		For >500 To 1,000, Deduct	*-97.35*	
		For >1,000, Deduct	*-121.61*	
26 56 19 00-0093	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	678.31	168.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-33.92*	
		For >100 To 250, Deduct	*-50.87*	
		For >250 To 500, Deduct	*-76.37*	
		For >500 To 1,000, Deduct	*-101.86*	
		For >1,000, Deduct	*-127.36*	
26 56 19 00-0094	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	706.12	170.24
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-35.31*	
		For >100 To 250, Deduct	*-52.96*	
		For >250 To 500, Deduct	*-79.75*	
		For >500 To 1,000, Deduct	*-106.55*	
		For >1,000, Deduct	*-133.34*	
26 56 19 00-0095	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	779.81	173.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-38.99*	
		For >100 To 250, Deduct	*-58.49*	
		For >250 To 500, Deduct	*-88.78*	
		For >500 To 1,000, Deduct	*-119.07*	
		For >1,000, Deduct	*-149.36*	
26 56 19 00-0096	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	818.93	175.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-40.95*	
		For >100 To 250, Deduct	*-61.42*	
		For >250 To 500, Deduct	*-93.59*	
		For >500 To 1,000, Deduct	*-125.77*	
		For >1,000, Deduct	*-157.94*	
26 56 19 00-0097	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	892.42	178.02
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-44.62*	
		For >100 To 250, Deduct	*-66.93*	
		For >250 To 500, Deduct	*-102.65*	
		For >500 To 1,000, Deduct	*-138.37*	
		For >1,000, Deduct	*-174.09*	
26 56 19 00-0098	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,048.69	182.83
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-52.43*	
		For >100 To 250, Deduct	*-78.65*	
		For >250 To 500, Deduct	*-121.94*	
		For >500 To 1,000, Deduct	*-165.24*	
		For >1,000, Deduct	*-208.53*	
26 56 19 00-0099	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,228.65	192.45
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-61.43*	
		For >100 To 250, Deduct	*-92.15*	
		For >250 To 500, Deduct	*-143.96*	
		For >500 To 1,000, Deduct	*-195.77*	
		For >1,000, Deduct	*-247.58*	

26 56 19 00-0100 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0015)*

26 56 19 00-0101 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0100)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0102	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,246.62	168.39
		For >50 To 100, Deduct	*-62.33*	
		For >100 To 250, Deduct	*-93.50*	
		For >250 To 500, Deduct	*-147.41*	
		For >500 To 1,000, Deduct	*-201.32*	
		For >1,000, Deduct	*-255.23*	
26 56 19 00-0103	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,547.99	173.21
		For >50 To 100, Deduct	*-77.40*	
		For >100 To 250, Deduct	*-116.10*	
		For >250 To 500, Deduct	*-184.84*	
		For >500 To 1,000, Deduct	*-253.58*	
		For >1,000, Deduct	*-322.32*	
26 56 19 00-0104	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,158.56	178.02
		For >50 To 100, Deduct	*-107.93*	
		For >100 To 250, Deduct	*-161.89*	
		For >250 To 500, Deduct	*-260.92*	
		For >500 To 1,000, Deduct	*-359.95*	
		For >1,000, Deduct	*-458.97*	
26 56 19 00-0105	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,773.40	185.05
		For >50 To 100, Deduct	*-138.67*	
		For >100 To 250, Deduct	*-208.01*	
		For >250 To 500, Deduct	*-337.42*	
		For >500 To 1,000, Deduct	*-466.84*	
		For >1,000, Deduct	*-596.26*	
26 56 19 00-0106	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,374.29	190.23
		For >50 To 100, Deduct	*-168.71*	
		For >100 To 250, Deduct	*-253.07*	
		For >250 To 500, Deduct	*-412.27*	
		For >500 To 1,000, Deduct	*-571.48*	
		For >1,000, Deduct	*-730.68*	

26 56 19 00-0107 LED Roadway Lighting (Leotek) *(26 56 19 00-0015)*

26 56 19 00-0108 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0107)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0109	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	661.64	168.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-33.08*	
		For >100 To 250, Deduct	*-49.62*	
		For >250 To 500, Deduct	*-74.29*	
		For >500 To 1,000, Deduct	*-98.95*	
		For >1,000, Deduct	*-123.61*	
26 56 19 00-0110	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	675.89	170.24
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-33.79*	
		For >100 To 250, Deduct	*-50.69*	
		For >250 To 500, Deduct	*-75.97*	
		For >500 To 1,000, Deduct	*-101.26*	
		For >1,000, Deduct	*-126.54*	
26 56 19 00-0111	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	720.28	171.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-36.01*	
		For >100 To 250, Deduct	*-54.02*	
		For >250 To 500, Deduct	*-81.47*	
		For >500 To 1,000, Deduct	*-108.91*	
		For >1,000, Deduct	*-136.36*	
26 56 19 00-0112	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	834.86	178.02
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-41.74*	
		For >100 To 250, Deduct	*-62.61*	
		For >250 To 500, Deduct	*-95.46*	
		For >500 To 1,000, Deduct	*-128.30*	
		For >1,000, Deduct	*-161.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0113	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	975.26	182.83
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-48.76*	
		For >100 To 250, Deduct	*-73.14*	
		For >250 To 500, Deduct	*-112.77*	
		For >500 To 1,000, Deduct	*-152.39*	
		For >1,000, Deduct	*-192.01*	
26 56 19 00-0114	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	981.19	185.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-49.06*	
		For >100 To 250, Deduct	*-73.59*	
		For >250 To 500, Deduct	*-113.36*	
		For >500 To 1,000, Deduct	*-153.13*	
		For >1,000, Deduct	*-192.90*	
26 56 19 00-0115	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,200.15	188.75
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-60.01*	
		For >100 To 250, Deduct	*-90.01*	
		For >250 To 500, Deduct	*-140.58*	
		For >500 To 1,000, Deduct	*-191.15*	
		For >1,000, Deduct	*-241.72*	
26 56 19 00-0116	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,258.18	192.45
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-62.91*	
		For >100 To 250, Deduct	*-94.36*	
		For >250 To 500, Deduct	*-147.65*	
		For >500 To 1,000, Deduct	*-200.94*	
		For >1,000, Deduct	*-254.22*	
26 56 19 00-0117	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,403.32	195.42
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-70.17*	
		For >100 To 250, Deduct	*-105.25*	
		For >250 To 500, Deduct	*-165.64*	
		For >500 To 1,000, Deduct	*-226.04*	
		For >1,000, Deduct	*-286.43*	
26 56 19 00-0118	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,504.16	198.38
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-75.21*	
		For >100 To 250, Deduct	*-112.81*	
		For >250 To 500, Deduct	*-178.10*	
		For >500 To 1,000, Deduct	*-243.39*	
		For >1,000, Deduct	*-308.68*	
26 56 19 00-0119	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	764.48	170.24
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-38.22*	
		For >100 To 250, Deduct	*-57.34*	
		For >250 To 500, Deduct	*-87.05*	
		For >500 To 1,000, Deduct	*-116.76*	
		For >1,000, Deduct	*-146.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0120	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	838.74	174.69
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-41.94*	
		For >100 To 250, Deduct	*-62.91*	
		For >250 To 500, Deduct	*-96.11*	
		For >500 To 1,000, Deduct	*-129.31*	
		For >1,000, Deduct	*-162.51*	
26 56 19 00-0121	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	904.47	178.02
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-45.22*	
		For >100 To 250, Deduct	*-67.84*	
		For >250 To 500, Deduct	*-104.16*	
		For >500 To 1,000, Deduct	*-140.48*	
		For >1,000, Deduct	*-176.80*	
26 56 19 00-0122	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	961.13	182.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-48.06*	
		For >100 To 250, Deduct	*-72.08*	
		For >250 To 500, Deduct	*-111.04*	
		For >500 To 1,000, Deduct	*-149.99*	
		For >1,000, Deduct	*-188.94*	
26 56 19 00-0123	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	1,018.93	183.57
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-50.95*	
		For >100 To 250, Deduct	*-76.42*	
		For >250 To 500, Deduct	*-118.19*	
		For >500 To 1,000, Deduct	*-159.96*	
		For >1,000, Deduct	*-201.72*	
26 56 19 00-0124	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,211.54	190.23
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-60.58*	
		For >100 To 250, Deduct	*-90.87*	
		For >250 To 500, Deduct	*-141.93*	
		For >500 To 1,000, Deduct	*-193.00*	
		For >1,000, Deduct	*-244.06*	
26 56 19 00-0125	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,368.72	193.93
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-68.44*	
		For >100 To 250, Deduct	*-102.65*	
		For >250 To 500, Deduct	*-161.39*	
		For >500 To 1,000, Deduct	*-220.13*	
		For >1,000, Deduct	*-278.87*	
26 56 19 00-0126	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,454.57	194.68
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-72.73*	
		For >100 To 250, Deduct	*-109.09*	
		For >250 To 500, Deduct	*-172.09*	
		For >500 To 1,000, Deduct	*-235.08*	
		For >1,000, Deduct	*-298.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0127	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,537.05	196.89
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-76.85*	
		For >100 To 250, Deduct	*-115.28*	
		For >250 To 500, Deduct	*-182.29*	
		For >500 To 1,000, Deduct	*-249.29*	
		For >1,000, Deduct	*-316.30*	
26 56 19 00-0128	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	820.88	185.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-41.04*	
		For >100 To 250, Deduct	*-61.57*	
		For >250 To 500, Deduct	*-93.32*	
		For >500 To 1,000, Deduct	*-125.07*	
		For >1,000, Deduct	*-156.83*	
26 56 19 00-0129	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	887.86	187.64
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-44.39*	
		For >100 To 250, Deduct	*-66.59*	
		For >250 To 500, Deduct	*-101.60*	
		For >500 To 1,000, Deduct	*-136.61*	
		For >1,000, Deduct	*-171.62*	
26 56 19 00-0130	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	632.95	169.88
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-31.65*	
		For >100 To 250, Deduct	*-47.47*	
		For >250 To 500, Deduct	*-70.63*	
		For >500 To 1,000, Deduct	*-93.78*	
		For >1,000, Deduct	*-116.93*	
26 56 19 00-0131	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	644.35	171.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-32.22*	
		For >100 To 250, Deduct	*-48.33*	
		For >250 To 500, Deduct	*-71.98*	
		For >500 To 1,000, Deduct	*-95.63*	
		For >1,000, Deduct	*-119.28*	
26 56 19 00-0132	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	699.52	174.69
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-34.98*	
		For >100 To 250, Deduct	*-52.46*	
		For >250 To 500, Deduct	*-78.71*	
		For >500 To 1,000, Deduct	*-104.95*	
		For >1,000, Deduct	*-131.19*	
26 56 19 00-0133	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,071.48	188.75
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-53.57*	
		For >100 To 250, Deduct	*-80.36*	
		For >250 To 500, Deduct	*-124.50*	
		For >500 To 1,000, Deduct	*-168.63*	
		For >1,000, Deduct	*-212.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0134	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,395.51	194.68
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-69.78*	
		For >100 To 250, Deduct	*-104.66*	
		For >250 To 500, Deduct	*-164.71*	
		For >500 To 1,000, Deduct	*-224.75*	
		For >1,000, Deduct	*-284.79*	
26 56 19 00-0135	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,245.11	195.42
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-62.26*	
		For >100 To 250, Deduct	*-93.38*	
		For >250 To 500, Deduct	*-145.87*	
		For >500 To 1,000, Deduct	*-198.35*	
		For >1,000, Deduct	*-250.84*	
26 56 19 00-0136	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	608.39	170.24
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-30.42*	
		For >100 To 250, Deduct	*-45.63*	
		For >250 To 500, Deduct	*-67.54*	
		For >500 To 1,000, Deduct	*-89.44*	
		For >1,000, Deduct	*-111.35*	

26 56 19 00-0137 LED, Wall Packs *(26 56 19)*

26 56 19 00-0138 Full Cutoff, LED Wall Packs *(26 56 19 00-0137)*

26 56 19 00-0139 Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0138)*

26 56 19 00-0140	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,017.22	129.53
		For >50 To 100, Deduct	*-50.86*	
		For >100 To 250, Deduct	*-76.29*	
		For >250 To 500, Deduct	*-120.68*	
		For >500 To 1,000, Deduct	*-165.06*	
		For >1,000, Deduct	*-209.44*	
26 56 19 00-0141	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,099.52	129.53
		For >50 To 100, Deduct	*-54.98*	
		For >100 To 250, Deduct	*-82.46*	
		For >250 To 500, Deduct	*-130.96*	
		For >500 To 1,000, Deduct	*-179.46*	
		For >1,000, Deduct	*-227.96*	

26 56 19 00-0142 Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0138)*

26 56 19 00-0143 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0142)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0144	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,044.39	125.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*53.94*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-52.22*	
		For >100 To 250, Deduct	*-78.33*	
		For >250 To 500, Deduct	*-124.26*	
		For >500 To 1,000, Deduct	*-170.18*	
		For >1,000, Deduct	*-216.11*	
26 56 19 00-0145	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,346.43	133.23
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*54.68*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-67.32*	
		For >100 To 250, Deduct	*-100.98*	
		For >250 To 500, Deduct	*-161.64*	
		For >500 To 1,000, Deduct	*-222.30*	
		For >1,000, Deduct	*-282.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0146	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,509.59	140.64
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*55.42*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-75.48*	
		For >100 To 250, Deduct	*-113.22*	
		For >250 To 500, Deduct	*-181.67*	
		For >500 To 1,000, Deduct	*-250.11*	
		For >1,000, Deduct	*-318.56*	
26 56 19 00-0147	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,950.49	148.04
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*56.16*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-97.52*	
		For >100 To 250, Deduct	*-146.29*	
		For >250 To 500, Deduct	*-236.41*	
		For >500 To 1,000, Deduct	*-326.53*	
		For >1,000, Deduct	*-416.65*	
26 56 19 00-0148	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,252.51	155.44
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*56.90*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-112.63*	
		For >100 To 250, Deduct	*-168.94*	
		For >250 To 500, Deduct	*-273.79*	
		For >500 To 1,000, Deduct	*-378.64*	
		For >1,000, Deduct	*-483.50*	
26 56 19 00-0149	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,554.54	162.84
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*57.64*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-127.73*	
		For >100 To 250, Deduct	*-191.59*	
		For >250 To 500, Deduct	*-311.18*	
		For >500 To 1,000, Deduct	*-430.76*	
		For >1,000, Deduct	*-550.34*	

26 56 19 00-0150 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0142)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0151	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	617.88	125.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-30.89*	
		For >100 To 250, Deduct	*-46.34*	
		For >250 To 500, Deduct	*-70.94*	
		For >500 To 1,000, Deduct	*-95.55*	
		For >1,000, Deduct	*-120.15*	
26 56 19 00-0152	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	718.13	133.23
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-35.91*	
		For >100 To 250, Deduct	*-53.86*	
		For >250 To 500, Deduct	*-83.10*	
		For >500 To 1,000, Deduct	*-112.35*	
		For >1,000, Deduct	*-141.59*	

26 56 19 00-0153 Full Cutoff, LED Wall Packs (McGraw-Edison) *(26 56 19 00-0138)*

26 56 19 00-0154	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,345.28	125.83
26 56 19 00-0155	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,670.60	133.23
26 56 19 00-0156	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,361.27	125.83
26 56 19 00-0157	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,816.72	133.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0158		**Open Face LED Wall Pack** *(26 56 19 00-0137)* Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0159	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	762.13	134.31
		For >50 To 100, Deduct	*-38.11*	
		For >100 To 250, Deduct	*-57.16*	
		For >250 To 500, Deduct	*-85.19*	
		For >500 To 1,000, Deduct	*-113.23*	
		For >1,000, Deduct	*-141.26*	
26 56 19 00-0160	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	780.75	134.31
		For >50 To 100, Deduct	*-39.04*	
		For >100 To 250, Deduct	*-58.56*	
		For >250 To 500, Deduct	*-87.52*	
		For >500 To 1,000, Deduct	*-116.49*	
		For >1,000, Deduct	*-145.45*	
26 56 19 00-0161	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	820.80	134.31
		For >50 To 100, Deduct	*-41.04*	
		For >100 To 250, Deduct	*-61.56*	
		For >250 To 500, Deduct	*-92.53*	
		For >500 To 1,000, Deduct	*-123.49*	
		For >1,000, Deduct	*-154.46*	
26 56 19 00-0162	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	855.26	134.31
		For >50 To 100, Deduct	*-42.76*	
		For >100 To 250, Deduct	*-64.14*	
		For >250 To 500, Deduct	*-96.83*	
		For >500 To 1,000, Deduct	*-129.52*	
		For >1,000, Deduct	*-162.21*	
26 56 19 00-0163	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	916.45	134.31
		For >50 To 100, Deduct	*-45.82*	
		For >100 To 250, Deduct	*-68.73*	
		For >250 To 500, Deduct	*-104.48*	
		For >500 To 1,000, Deduct	*-140.23*	
		For >1,000, Deduct	*-175.98*	
26 56 19 00-0164		**Wall Pack Accessories** *(26 56 19 00-0137)*		
26 56 19 00-0165	EA	Photocell For Wall Pack	147.61	33.58
26 56 19 00-0166	EA	Wire Guard For Mini And Small Wall Pack	164.43	33.58
26 56 19 00-0167	EA	Wire Guard For Medium And Large Wall Pack	234.77	33.58
26 56 19 00-0168	EA	Clear Polycarbonate Vandal Guard For Wall Packs	336.27	33.58
26 56 19 00-0169	EA	Full Cutoff Visor For Wall Pack	159.84	33.58
26 56 19 00-0170		**LED, Industrial Strip Fixtures** *(26 56 19)*		
26 56 19 00-0171		**LED Industrial Strip Fixtures (Albeo Technologies)** *(26 56 19 00-0170)*		
26 56 19 00-0172	EA	4' Length, 54 Watt, 45 Diodes, LED Industrial Strip Fixture (Albeo Technologies C Series)	1,304.50	53.73
		For >50 To 100, Deduct	*-65.23*	
		For >100 To 250, Deduct	*-97.84*	
		For >250 To 500, Deduct	*-160.38*	
		For >500 To 1,000, Deduct	*-222.92*	
		For >1,000, Deduct	*-285.45*	
26 56 19 00-0173		**LED Industrial Strip Fixtures (Lighting Science Group)** *(26 56 19 00-0170)*		
26 56 19 00-0174	EA	2' Length, 59 Watt, LED Industrial Strip Fixture (Lighting Science Group BYL CW CLR PND 24)	1,135.39	43.65
		For >50 To 100, Deduct	*-56.77*	
		For >100 To 250, Deduct	*-85.15*	
		For >250 To 500, Deduct	*-139.74*	
		For >500 To 1,000, Deduct	*-194.33*	
		For >1,000, Deduct	*-248.92*	
26 56 19 00-0175	EA	4' Length, 105 Watt, LED Industrial Strip Fixture (Lighting Science Group BYL CW CLR PND 48)	1,855.15	53.73
		For >50 To 100, Deduct	*-92.76*	
		For >100 To 250, Deduct	*-139.14*	
		For >250 To 500, Deduct	*-229.21*	
		For >500 To 1,000, Deduct	*-319.28*	
		For >1,000, Deduct	*-409.35*	
26 56 19 00-0176		**LED, Post Top Acorn Style Fixtures** *(26 56 19)* Note: Excludes pole.		
26 56 19 00-0177	EA	90 Watt, 49 Diodes, Asymetrical, LED, Post Top Acorn Style Fixture (Philips Lumec S55-90W49LED4K-LE3)	3,453.41	129.74
		For >50 To 100, Deduct	*-172.67*	
		For >100 To 250, Deduct	*-259.01*	
		For >250 To 500, Deduct	*-425.15*	
		For >500 To 1,000, Deduct	*-591.28*	
		For >1,000, Deduct	*-757.42*	
26 56 19 00-0178		**LED, Area Fixtures** *(26 56 19)*		
26 56 19 00-0179		**Pole Mount, LED Area Fixtures** *(26 56 19 00-0178)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0180		**Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX)** *(26 56 19 00-0179)* Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0181	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,510.97	125.83
		For >50 To 100, Deduct	*-125.55*	
		For >100 To 250, Deduct	*-188.32*	
		For >250 To 500, Deduct	*-307.58*	
		For >500 To 1,000, Deduct	*-426.84*	
		For >1,000, Deduct	*-546.09*	
26 56 19 00-0182	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,706.53	133.23
		For >50 To 100, Deduct	*-135.33*	
		For >100 To 250, Deduct	*-202.99*	
		For >250 To 500, Deduct	*-331.65*	
		For >500 To 1,000, Deduct	*-460.32*	
		For >1,000, Deduct	*-588.98*	
26 56 19 00-0183	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,916.88	148.04
		For >50 To 100, Deduct	*-145.84*	
		For >100 To 250, Deduct	*-218.77*	
		For >250 To 500, Deduct	*-357.21*	
		For >500 To 1,000, Deduct	*-495.65*	
		For >1,000, Deduct	*-634.09*	
26 56 19 00-0184	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,931.68	155.44
		For >50 To 100, Deduct	*-146.58*	
		For >100 To 250, Deduct	*-219.88*	
		For >250 To 500, Deduct	*-358.69*	
		For >500 To 1,000, Deduct	*-497.50*	
		For >1,000, Deduct	*-636.31*	
26 56 19 00-0185		**Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG)** *(26 56 19 00-0179)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0186	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,402.02	133.23
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*44.51*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-70.10*	
		For >100 To 250, Deduct	*-105.15*	
		For >250 To 500, Deduct	*-168.59*	
		For >500 To 1,000, Deduct	*-232.03*	
		For >1,000, Deduct	*-295.47*	
26 56 19 00-0187	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,689.57	140.64
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*45.25*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-84.48*	
		For >100 To 250, Deduct	*-126.72*	
		For >250 To 500, Deduct	*-204.16*	
		For >500 To 1,000, Deduct	*-281.61*	
		For >1,000, Deduct	*-359.06*	
26 56 19 00-0188	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,086.60	148.04
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*45.99*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-104.33*	
		For >100 To 250, Deduct	*-156.50*	
		For >250 To 500, Deduct	*-253.42*	
		For >500 To 1,000, Deduct	*-350.35*	
		For >1,000, Deduct	*-447.28*	
26 56 19 00-0189	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,374.16	155.44
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*46.73*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-118.71*	
		For >100 To 250, Deduct	*-178.06*	
		For >250 To 500, Deduct	*-289.00*	
		For >500 To 1,000, Deduct	*-399.93*	
		For >1,000, Deduct	*-510.87*	
26 56 19 00-0190	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,661.71	162.84
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*47.47*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-133.09*	
		For >100 To 250, Deduct	*-199.63*	
		For >250 To 500, Deduct	*-324.57*	
		For >500 To 1,000, Deduct	*-449.51*	
		For >1,000, Deduct	*-574.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0191	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,036.48	170.24
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*48.22*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-151.82*	
		For >100 To 250, Deduct	*-227.74*	
		For >250 To 500, Deduct	*-371.05*	
		For >500 To 1,000, Deduct	*-514.36*	
		For >1,000, Deduct	*-657.67*	
26 56 19 00-0192	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,324.03	177.64
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*48.96*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-166.20*	
		For >100 To 250, Deduct	*-249.30*	
		For >250 To 500, Deduct	*-406.62*	
		For >500 To 1,000, Deduct	*-563.94*	
		For >1,000, Deduct	*-721.26*	

26 56 19 00-0193 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0179)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0194	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,460.32	162.84
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*50.75*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.84*	
		For >50 To 100, Deduct	*-123.02*	
		For >100 To 250, Deduct	*-184.52*	
		For >250 To 500, Deduct	*-299.40*	
		For >500 To 1,000, Deduct	*-414.27*	
		For >1,000, Deduct	*-529.15*	
26 56 19 00-0195	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	4,142.79	199.86
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*75.15*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-207.14*	
		For >100 To 250, Deduct	*-310.71*	
		For >250 To 500, Deduct	*-507.86*	
		For >500 To 1,000, Deduct	*-705.00*	
		For >1,000, Deduct	*-902.15*	

26 56 19 00-0196 Wall Mount, LED Area Fixtures *(26 56 19 00-0178)*

26 56 19 00-0197 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0196)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0198	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,121.05	125.83
		For >50 To 100, Deduct	*-56.05*	
		For >100 To 250, Deduct	*-84.08*	
		For >250 To 500, Deduct	*-133.84*	
		For >500 To 1,000, Deduct	*-183.60*	
		For >1,000, Deduct	*-233.36*	
26 56 19 00-0199	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,150.66	140.64
		For >50 To 100, Deduct	*-57.53*	
		For >100 To 250, Deduct	*-86.30*	
		For >250 To 500, Deduct	*-136.80*	
		For >500 To 1,000, Deduct	*-187.30*	
		For >1,000, Deduct	*-237.80*	

26 56 19 00-0200 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0178)*

26 56 19 00-0201 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0200)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0202	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,238.74	133.23
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-61.94*	
		For >100 To 250, Deduct	*-92.91*	
		For >250 To 500, Deduct	*-148.18*	
		For >500 To 1,000, Deduct	*-203.46*	
		For >1,000, Deduct	*-258.73*	
26 56 19 00-0203	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,526.29	140.64
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-76.31*	
		For >100 To 250, Deduct	*-114.47*	
		For >250 To 500, Deduct	*-183.75*	
		For >500 To 1,000, Deduct	*-253.04*	
		For >1,000, Deduct	*-322.32*	
26 56 19 00-0204	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,813.85	148.04
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-90.69*	
		For >100 To 250, Deduct	*-136.04*	
		For >250 To 500, Deduct	*-219.33*	
		For >500 To 1,000, Deduct	*-302.62*	
		For >1,000, Deduct	*-385.91*	
26 56 19 00-0205	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	2,101.40	155.44
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-105.07*	
		For >100 To 250, Deduct	*-157.61*	
		For >250 To 500, Deduct	*-254.90*	
		For >500 To 1,000, Deduct	*-352.20*	
		For >1,000, Deduct	*-449.50*	

26 56 19 00-0206 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0200)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0207	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,194.21	133.23
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-59.71*	
		For >100 To 250, Deduct	*-89.57*	
		For >250 To 500, Deduct	*-142.61*	
		For >500 To 1,000, Deduct	*-195.66*	
		For >1,000, Deduct	*-248.71*	
26 56 19 00-0208	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,318.48	140.64
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-65.92*	
		For >100 To 250, Deduct	*-98.89*	
		For >250 To 500, Deduct	*-157.78*	
		For >500 To 1,000, Deduct	*-216.67*	
		For >1,000, Deduct	*-275.56*	

26 56 19 00-0209 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0200)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0210	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	1,047.22	133.23
		For >50 To 100, Deduct	*-52.36*	
		For >100 To 250, Deduct	*-78.54*	
		For >250 To 500, Deduct	*-124.24*	
		For >500 To 1,000, Deduct	*-169.94*	
		For >1,000, Deduct	*-215.64*	

26 56 19 00-0211 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0200)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0212	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,071.90	140.64
		For >50 To 100, Deduct	*-103.60*	
		For >100 To 250, Deduct	*-155.39*	
		For >250 To 500, Deduct	*-251.96*	
		For >500 To 1,000, Deduct	*-348.52*	
		For >1,000, Deduct	*-445.08*	
26 56 19 00-0213	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,101.51	155.44
		For >50 To 100, Deduct	*-105.08*	
		For >100 To 250, Deduct	*-157.61*	
		For >250 To 500, Deduct	*-254.92*	
		For >500 To 1,000, Deduct	*-352.22*	
		For >1,000, Deduct	*-449.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0214		**Surface Mount, LED Canopy Fixtures** *(26 56 19 00-0178)*		
26 56 19 00-0215		**Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG)** *(26 56 19 00-0214)* Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0216	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,435.42	133.23
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-71.77*	
		For >100 To 250, Deduct	*-107.66*	
		For >250 To 500, Deduct	*-172.77*	
		For >500 To 1,000, Deduct	*-237.87*	
		For >1,000, Deduct	*-302.98*	
26 56 19 00-0217	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,722.97	140.64
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-86.15*	
		For >100 To 250, Deduct	*-129.22*	
		For >250 To 500, Deduct	*-208.34*	
		For >500 To 1,000, Deduct	*-287.46*	
		For >1,000, Deduct	*-366.57*	
26 56 19 00-0218	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,010.53	148.04
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-100.53*	
		For >100 To 250, Deduct	*-150.79*	
		For >250 To 500, Deduct	*-243.91*	
		For >500 To 1,000, Deduct	*-337.04*	
		For >1,000, Deduct	*-430.16*	
26 56 19 00-0219	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,298.08	155.44
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-114.90*	
		For >100 To 250, Deduct	*-172.36*	
		For >250 To 500, Deduct	*-279.49*	
		For >500 To 1,000, Deduct	*-386.62*	
		For >1,000, Deduct	*-493.75*	
26 56 19 00-0220	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,585.63	162.84
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-129.28*	
		For >100 To 250, Deduct	*-193.92*	
		For >250 To 500, Deduct	*-315.06*	
		For >500 To 1,000, Deduct	*-436.20*	
		For >1,000, Deduct	*-557.34*	
26 56 19 00-0221	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,982.67	170.24
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-149.13*	
		For >100 To 250, Deduct	*-223.70*	
		For >250 To 500, Deduct	*-364.32*	
		For >500 To 1,000, Deduct	*-504.94*	
		For >1,000, Deduct	*-645.56*	
26 56 19 00-0222	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,270.22	177.64
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-163.51*	
		For >100 To 250, Deduct	*-245.27*	
		For >250 To 500, Deduct	*-399.90*	
		For >500 To 1,000, Deduct	*-554.52*	
		For >1,000, Deduct	*-709.15*	
26 56 19 00-0223	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,845.33	192.45
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-192.27*	
		For >100 To 250, Deduct	*-288.40*	
		For >250 To 500, Deduct	*-471.04*	
		For >500 To 1,000, Deduct	*-653.69*	
		For >1,000, Deduct	*-836.33*	
26 56 19 00-0224	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	4,405.64	199.86
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-220.28*	
		For >100 To 250, Deduct	*-330.42*	
		For >250 To 500, Deduct	*-540.71*	
		For >500 To 1,000, Deduct	*-751.00*	
		For >1,000, Deduct	*-961.29*	
26 56 19 00-0225		**Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250)** *(26 56 19 00-0214)* Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0226	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	995.60	148.04
		For >50 To 100, Deduct	*-49.78*	
		For >100 To 250, Deduct	*-74.67*	
		For >250 To 500, Deduct	*-117.05*	
		For >500 To 1,000, Deduct	*-159.43*	
		For >1,000, Deduct	*-201.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0227		Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0178)*		
26 56 19 00-0228		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0227)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0229	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,216.47	133.23
		For >50 To 100, Deduct	*-60.82*	
		For >100 To 250, Deduct	*-91.24*	
		For >250 To 500, Deduct	*-145.40*	
		For >500 To 1,000, Deduct	*-199.56*	
		For >1,000, Deduct	*-253.72*	
26 56 19 00-0230	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,340.74	140.64
		For >50 To 100, Deduct	*-67.04*	
		For >100 To 250, Deduct	*-100.56*	
		For >250 To 500, Deduct	*-160.56*	
		For >500 To 1,000, Deduct	*-220.57*	
		For >1,000, Deduct	*-280.57*	
26 56 19 00-0231		Surface Mount, LED Area Fixtures *(26 56 19 00-0178)*		
26 56 19 00-0232		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0231)* Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0233	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	687.95	133.23
		For >50 To 100, Deduct	*-34.40*	
		For >100 To 250, Deduct	*-51.60*	
		For >250 To 500, Deduct	*-79.33*	
		For >500 To 1,000, Deduct	*-107.07*	
		For >1,000, Deduct	*-134.80*	
26 56 19 00-0234	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,512.22	133.23
		For >50 To 100, Deduct	*-75.61*	
		For >100 To 250, Deduct	*-113.42*	
		For >250 To 500, Deduct	*-182.37*	
		For >500 To 1,000, Deduct	*-251.31*	
		For >1,000, Deduct	*-320.26*	
26 56 19 00-0235	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,260.03	148.04
		For >50 To 100, Deduct	*-63.00*	
		For >100 To 250, Deduct	*-94.50*	
		For >250 To 500, Deduct	*-150.10*	
		For >500 To 1,000, Deduct	*-205.70*	
		For >1,000, Deduct	*-261.30*	
26 56 19 00-0236	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,557.48	148.04
		For >50 To 100, Deduct	*-77.87*	
		For >100 To 250, Deduct	*-116.81*	
		For >250 To 500, Deduct	*-187.28*	
		For >500 To 1,000, Deduct	*-257.75*	
		For >1,000, Deduct	*-328.23*	
26 56 19 00-0237		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0231)* Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0238	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	222.74	48.35
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-11.14*	
		For >100 To 250, Deduct	*-16.71*	
		For >250 To 500, Deduct	*-25.83*	
		For >500 To 1,000, Deduct	*-34.95*	
		For >1,000, Deduct	*-44.07*	
26 56 19 00-0239	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	252.90	48.35
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-12.65*	
		For >100 To 250, Deduct	*-18.97*	
		For >250 To 500, Deduct	*-29.60*	
		For >500 To 1,000, Deduct	*-40.23*	
		For >1,000, Deduct	*-50.86*	
26 56 19 00-0240	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	310.34	48.35
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-15.52*	
		For >100 To 250, Deduct	*-23.28*	
		For >250 To 500, Deduct	*-36.78*	
		For >500 To 1,000, Deduct	*-50.28*	
		For >1,000, Deduct	*-63.78*	
26 56 19 00-0241		Surface Mount, LED Facade Fixtures *(26 56 19 00-0178)*		
26 56 19 00-0242		Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0241)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0243	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	787.93	56.45
		For >50 To 100, Deduct	*-39.40*	
		For >100 To 250, Deduct	*-59.09*	
		For >250 To 500, Deduct	*-96.34*	
		For >500 To 1,000, Deduct	*-133.59*	
		For >1,000, Deduct	*-170.84*	
26 56 19 00-0244	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,281.97	51.54
		For >50 To 100, Deduct	*-64.10*	
		For >100 To 250, Deduct	*-96.15*	
		For >250 To 500, Deduct	*-158.41*	
		For >500 To 1,000, Deduct	*-220.66*	
		For >1,000, Deduct	*-282.92*	
26 56 19 00-0245	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,636.26	42.95
		For >50 To 100, Deduct	*-81.81*	
		For >100 To 250, Deduct	*-122.72*	
		For >250 To 500, Deduct	*-203.00*	
		For >500 To 1,000, Deduct	*-283.28*	
		For >1,000, Deduct	*-363.56*	
26 56 19 00-0246	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,990.51	34.36
		For >50 To 100, Deduct	*-99.53*	
		For >100 To 250, Deduct	*-149.29*	
		For >250 To 500, Deduct	*-247.59*	
		For >500 To 1,000, Deduct	*-345.89*	
		For >1,000, Deduct	*-444.18*	

26 56 19 00-0247 Post Top, LED Area Fixtures *(26 56 19 00-0178)*

26 56 19 00-0248 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0247)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0249	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,208.75	203.56
		For >50 To 100, Deduct	*-110.44*	
		For >100 To 250, Deduct	*-165.66*	
		For >250 To 500, Deduct	*-265.92*	
		For >500 To 1,000, Deduct	*-366.18*	
		For >1,000, Deduct	*-466.44*	
26 56 19 00-0250	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,438.63	203.56
		For >50 To 100, Deduct	*-121.93*	
		For >100 To 250, Deduct	*-182.90*	
		For >250 To 500, Deduct	*-294.65*	
		For >500 To 1,000, Deduct	*-406.40*	
		For >1,000, Deduct	*-518.16*	
26 56 19 00-0251	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,620.34	203.56
		For >50 To 100, Deduct	*-131.02*	
		For >100 To 250, Deduct	*-196.53*	
		For >250 To 500, Deduct	*-317.36*	
		For >500 To 1,000, Deduct	*-438.20*	
		For >1,000, Deduct	*-559.04*	

26 56 19 00-0252 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0247)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0253	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,602.94	203.56
		For >50 To 100, Deduct	*-130.15*	
		For >100 To 250, Deduct	*-195.22*	
		For >250 To 500, Deduct	*-315.19*	
		For >500 To 1,000, Deduct	*-435.16*	
		For >1,000, Deduct	*-555.13*	
26 56 19 00-0254	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,662.00	203.56
		For >50 To 100, Deduct	*-133.10*	
		For >100 To 250, Deduct	*-199.65*	
		For >250 To 500, Deduct	*-322.57*	
		For >500 To 1,000, Deduct	*-445.49*	
		For >1,000, Deduct	*-568.42*	

26 56 19 00-0255 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0247)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0256	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,803.30	203.56
		For >50 To 100, Deduct	*-90.17*	
		For >100 To 250, Deduct	*-135.25*	
		For >250 To 500, Deduct	*-215.23*	
		For >500 To 1,000, Deduct	*-295.22*	
		For >1,000, Deduct	*-375.21*	
26 56 19 00-0257	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,891.69	203.56
		For >50 To 100, Deduct	*-94.58*	
		For >100 To 250, Deduct	*-141.88*	
		For >250 To 500, Deduct	*-226.28*	
		For >500 To 1,000, Deduct	*-310.69*	
		For >1,000, Deduct	*-395.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0258		Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0247)*		
		Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0259	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,401.52	203.56
		For >50 To 100, Deduct	*-70.08*	
		For >100 To 250, Deduct	*-105.11*	
		For >250 To 500, Deduct	*-165.01*	
		For >500 To 1,000, Deduct	*-224.91*	
		For >1,000, Deduct	*-284.81*	
26 56 19 00-0260	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,489.91	203.56
		For >50 To 100, Deduct	*-74.50*	
		For >100 To 250, Deduct	*-111.74*	
		For >250 To 500, Deduct	*-176.06*	
		For >500 To 1,000, Deduct	*-240.38*	
		For >1,000, Deduct	*-304.70*	
26 56 19 00-0261		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0247)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0262	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	3,234.82	203.56
		For >50 To 100, Deduct	*-161.74*	
		For >100 To 250, Deduct	*-242.61*	
		For >250 To 500, Deduct	*-394.17*	
		For >500 To 1,000, Deduct	*-545.74*	
		For >1,000, Deduct	*-697.30*	
26 56 19 00-0263		LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0247)*		
		Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0264	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	899.92	111.03
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-45.00*	
		For >100 To 250, Deduct	*-67.49*	
		For >250 To 500, Deduct	*-106.94*	
		For >500 To 1,000, Deduct	*-146.38*	
		For >1,000, Deduct	*-185.83*	
26 56 19 00-0265		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0247)*		
		Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0266	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	563.49	23.69
		For Backlight Control Shield, Add	*43.80*	
		For >50 To 100, Deduct	*-28.17*	
		For >100 To 250, Deduct	*-42.26*	
		For >250 To 500, Deduct	*-68.07*	
		For >500 To 1,000, Deduct	*-93.87*	
		For >1,000, Deduct	*-119.68*	
26 56 19 00-0267		Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0178)*		
26 56 19 00-0268	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	544.72	44.91
		For >50 To 100, Deduct	*-27.24*	
		For >100 To 250, Deduct	*-40.85*	
		For >250 To 500, Deduct	*-66.40*	
		For >500 To 1,000, Deduct	*-91.95*	
		For >1,000, Deduct	*-117.50*	
26 56 21		**HID Exterior Lighting** *(26 56)*		
26 56 21 00-0001		High Mast Fixtures *(26 56 21)*		
26 56 21 00-0002		Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,026.99	183.17
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,165.67	183.17
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,148.64	209.25
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,231.85	209.25
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,259.99	261.57
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,343.20	261.57
26 56 21 00-0009		High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,093.80	183.17
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,177.01	183.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,532.64	193.63
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,595.17	209.25
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,748.12	261.57
26 56 21 00-0015		**HID, Pole Mounted** *(26 56 21)*		
26 56 21 00-0016		**Metal Halide, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	770.38	298.67
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	867.78	324.20
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,012.50	348.75
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,282.54	408.75
26 56 21 00-0021		**High Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	875.88	348.75
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	901.78	348.75
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	943.36	348.75
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,052.77	348.75
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,215.42	348.75
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,229.88	348.75
26 56 21 00-0028		**Low Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	780.81	189.72
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	841.74	279.01
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	991.04	279.01
26 56 21 00-0032		**Metal Halide, Area Fixtures** *(26 56 21)*		
26 56 21 00-0033		**Metal Halide, Pole Mount, Area Fixtures** *(26 56 21 00-0032)*		
		Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,200.55	183.90
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,317.47	202.29
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,457.03	220.68
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,540.76	257.46
26 56 21 00-0038		**High Pressure Sodium, Area Fixtures** *(26 56 21)*		
26 56 21 00-0039		**Pole Mount, High Pressure Sodium Area Fixtures** *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	997.43	147.12
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,085.33	183.90
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,177.06	220.68
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,240.74	257.46
26 56 21 00-0044		**Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21)*		
26 56 21 00-0045		**Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	723.67	279.01
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	824.83	313.88
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	988.69	348.75
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,260.40	408.75
26 56 21 00-0050		**High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	696.20	238.55
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	756.54	253.90
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	815.58	267.84
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	842.84	279.01
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	936.03	313.88
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,009.92	348.75
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,387.79	408.75
26 56 21 00-0058		**Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21)*		
26 56 21 00-0059		**High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	855.46	188.33
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	887.24	209.25
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	948.14	238.55
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	974.24	253.90
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,001.28	267.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,049.13	279.01
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,149.81	313.88
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,396.72	348.75
26 56 21 00-0068		**Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	941.70	209.25
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	994.32	238.55
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,028.16	253.90
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,071.78	267.84
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,095.38	279.01
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,198.43	313.88
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,525.93	348.75
26 56 21 00-0076		**Wall Packs** *(26 56 21)*		
26 56 21 00-0077		**Non-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	390.57	67.15
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	418.35	67.15
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	418.35	67.15
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	553.05	67.15
26 56 21 00-0082		**Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	770.47	67.15
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	780.47	67.15
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	789.11	67.15
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	773.35	67.15
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	708.52	67.15
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	672.92	67.15
26 56 21 00-0089		**Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	811.48	67.15
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	820.59	67.15
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	804.85	67.15
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	817.53	67.15
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	817.53	67.15
26 56 21 00-0095		**Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	773.91	89.45
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	773.91	89.45
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	725.12	89.45
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.82	89.45
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.82	89.45
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	689.73	89.45
26 56 21 00-0102		**Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	802.81	89.45
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	802.81	89.45
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	802.81	89.45
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	774.12	89.45
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	774.12	89.45
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	774.12	89.45
26 56 21 00-0109		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,036.32	89.45
26 56 21 00-0111		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	975.29	110.80
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,041.43	110.80
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,120.28	110.80
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,141.98	110.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0116		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,060.36	110.80
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,134.67	110.80
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	980.07	134.31
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	901.36	134.31
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	961.85	134.31
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	967.88	134.31
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	974.19	134.31
26 56 21 00-0125		**Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	980.09	134.31
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,006.35	134.31
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,085.06	134.31
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,032.59	134.31
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,058.86	134.31
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,111.28	134.31
26 56 21 00-0132		**Semi-Cutoff, Induction Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0133		**Semi-Cutoff, Induction Wall Packs (Everlast®)** *(26 56 21 00-0132)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,257.14	125.83
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,283.15	133.23
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,309.15	140.64
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,458.40	148.04
26 56 21 00-0138		**Non-Cutoff, Polycarbonate Lens, Small Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	402.81	67.15
26 56 21 00-0140		**Induction, Roadway Lighting** *(26 56 21)*		
26 56 21 00-0141		**Induction Roadway Lighting (US Lighting Tech)** *(26 56 21 00-0140)*		
		Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	706.43	222.07
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	772.68	229.47
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	802.28	244.27
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	831.89	259.08
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	965.00	266.48
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	983.91	273.88
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	663.23	222.07
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	735.65	229.47
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	765.25	244.27
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	794.86	259.08
26 56 21 00-0152		**Induction, Area Fixtures** *(26 56 21)*		
26 56 21 00-0153		**Post Top, Induction Area Fixtures** *(26 56 21 00-0152)*		
26 56 21 00-0154		**Post Top, Induction Area Fixtures (US Lighting Tech)** *(26 56 21 00-0153)*		
		Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	778.47	203.56
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	838.13	203.56
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	838.13	203.56
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	838.13	203.56
26 56 21 00-0159		**Surface Mount, Induction Parking Structure Fixtures** *(26 56 21 00-0152)*		
26 56 21 00-0160		**Surface Mount, Induction Parking Structure Fixtures (Everlast®)** *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	707.25	185.05
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	749.64	188.75
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	761.15	192.45
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	772.67	196.16
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	784.18	199.86
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	799.81	203.56
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	820.82	192.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	832.33	196.16
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	843.85	199.86
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	876.96	203.56
26 56 21 00-0171		Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,313.15	125.83
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,350.37	133.23
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,387.57	140.64

END OF SECTION 26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

27 05 26 00-0001	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	196.18	36.32
27 05 26 00-0002	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	211.10	36.32
27 05 26 00-0003	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	397.29	36.32
27 05 26 00-0004	EA	#6 AWG, Cable Runway Ground Strap	79.05	6.72
27 05 26 00-0005	EA	1/4" Screw Size, #6 AWG Compression Lug	28.03	6.72
27 05 26 00-0006	EA	3/8" Screw Size, #6 AWG Compression Lug	29.82	6.72
27 05 26 00-0007	EA	Two Mounting Hole, Ground Terminal Block	33.15	6.72
27 05 26 00-0008	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	1,098.60	137.47
27 05 26 00-0009	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,406.68	183.33
27 05 26 00-0010	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	2,225.47	274.93
27 05 26 00-0011	EA	Lucent 3B1-EW, Gas Tube Protector Unit	13.27	2.02

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	10.35	3.36
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.38*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	
		For Painted Powder Coated Finish, Add	*0.74*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	10.91	3.36
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-2.44*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	
		For Painted Powder Coated Finish, Add	*2.58*	
		For Low Friction Xylan® Coated Finish, Add	*9.20*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	11.78	3.36
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.52*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	
		For Painted Powder Coated Finish, Add	*3.17*	
		For Low Friction Xylan® Coated Finish, Add	*11.44*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	19.31	3.36
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.28*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	
		For Painted Powder Coated Finish, Add	*1.69*	
		For Low Friction Xylan® Coated Finish, Add	*10.14*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	11.67	3.36
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.51*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	15.06	3.36
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	16.71	3.36
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-2.09*	
		For >500, Deduct	*-3.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	22.61	3.36
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.61*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.78*	
		For Work In Restricted Working Space, Add	*2.02*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	12.30	3.36
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.57*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	14.56	3.36
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.93*	
		For >500, Deduct	*-2.80*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	15.73	3.36
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.92*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	21.31	3.36
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-3.48*	
		For Work In Restricted Working Space, Add	*2.02*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	14.77	3.36
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.82*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	18.59	3.36
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	19.59	3.36
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.31*	
		For >500, Deduct	*-3.30*	
		For Work In Restricted Working Space, Add	*2.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021		**Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod.		
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	12.00	3.36
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.54*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	12.52	3.36
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.60*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	15.16	3.36
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.86*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0025		**Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod, nuts and washers.		
27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	14.86	3.36
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.83*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	16.10	3.36
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.95*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	22.26	3.36
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.57*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0029		**Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	14.69	3.36
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.81*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	16.90	3.36
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-3.03*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	18.07	3.36
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-3.15*	
		For Work In Restricted Working Space, Add	*2.02*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	24.50	3.36
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.79*	
		For Work In Restricted Working Space, Add	*2.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034		Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*		
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.71	4.43
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.81*	
		For >500, Deduct	*-6.86*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*3.46*	
		For Work In Restricted Working Space, Add	*4.03*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.54	4.43
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.87*	
		For >500, Deduct	*-6.94*	
		For Work In Restricted Working Space, Add	*4.03*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	46.84	4.43
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-5.19*	
		For >500, Deduct	*-7.37*	
		For Work In Restricted Working Space, Add	*4.03*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.57	4.43
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.80*	
		For >500, Deduct	*-6.84*	
		For Work In Restricted Working Space, Add	*4.03*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.57	4.43
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.85*	
		For >250 To 500, Deduct	*-4.95*	
		For >500, Deduct	*-7.04*	
		For Work In Restricted Working Space, Add	*4.03*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.54	4.43
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-5.09*	
		For >500, Deduct	*-7.24*	
		For Work In Restricted Working Space, Add	*4.03*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.89	4.43
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.82*	
		For >250 To 500, Deduct	*-4.90*	
		For >500, Deduct	*-6.98*	
		For Work In Restricted Working Space, Add	*4.03*	

27 10 Structured Cabling *(27)*

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, and Enclosures *(27 11)*

27 11 16 00-0001		3/4" Fire Retardant Plywood Backboards *(27 11 16)*		
27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	102.69	34.92
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*63.06*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	205.38	69.84
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*126.12*	
27 11 16 00-0004		Terminal Cabinets *(27 11 16)*		
27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	411.31	100.73
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	521.40	110.80
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	599.95	127.59
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	622.80	130.95
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	764.46	134.31
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	948.09	151.09
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	971.34	147.74
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,245.82	210.46
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,332.06	231.27
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,613.07	244.31
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,332.32	201.46
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,440.86	218.25
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,795.49	279.76
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,154.50	349.74
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,448.68	345.84
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,810.03	420.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0021		Equipment Racks And Cable Managers *(27 11 16)*		
27 11 16 00-0022		Equipment Racks *(27 11 16 00-0021)* Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023		Standard Equipment Racks *(27 11 16 00-0022)*		
27 11 16 00-0024		19" Width, Standard Equipment Racks *(27 11 16 00-0023)*		
27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	620.31	214.89
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.53*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	832.62	228.33
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	897.47	241.75
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.70*	
27 11 16 00-0028		Universal Equipment Racks *(27 11 16 00-0022)*		
27 11 16 00-0029		Universal Equipment Racks *(27 11 16 00-0028)*		
27 11 16 00-0030		19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*		
27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	770.06	188.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.70*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	835.81	191.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	836.17	194.75
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.33*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	856.99	198.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.04*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	877.59	201.46
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.73*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	899.79	204.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.51*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	780.22	208.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.19*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	942.99	211.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.00*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	974.70	214.89
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	1,002.57	218.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.30*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	1,010.36	221.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.36*	
27 11 16 00-0042		23" Width, Universal Equipment Racks *(27 11 16 00-0029)*		
27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	810.49	188.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.72*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	837.31	191.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.73*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	861.07	194.75
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.58*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	904.34	198.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.41*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	926.34	201.46
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	950.15	204.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.03*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	831.16	208.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	996.44	211.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.67*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	1,030.68	214.89
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.05*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	1,060.76	218.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.21*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	1,068.64	221.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.27*	
27 11 16 00-0054		35" Width, Universal Equipment Racks *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	994.87	201.46
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.60*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	1,046.08	208.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.49*	
27 11 16 00-0057		UL Listed Universal Equipment Racks *(27 11 16 00-0028)* Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		19" Width, UL Listed Universal Equipment Racks *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	809.47	188.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	870.29	191.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.38*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	883.80	194.75
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	903.10	198.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.35*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	925.05	201.46
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	948.80	204.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.96*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	971.66	208.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.77*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	995.01	211.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.60*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	1,029.21	214.89
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	1,059.21	218.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.14*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	1,067.03	221.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.19*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	853.98	188.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.90*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	930.66	191.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.39*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	942.89	194.75
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.67*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	955.14	198.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.95*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	978.67	201.46
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	1,004.21	204.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.73*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	1,028.70	208.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.62*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	1,053.76	211.53
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.53*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	1,090.75	214.89
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.05*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,123.19	218.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.33*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,131.27	221.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.40*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,618.40	335.77
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.34*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,760.18	349.20
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*53.09*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,894.21	362.62
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*58.45*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,660.04	335.77
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*49.43*	
27 11 16 00-0089		**Cable Managers** *(27 11 16 00-0021)*		
27 11 16 00-0090		**Horizontal Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0091		**Single-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	91.30	13.43
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	101.07	13.43
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	77.09	13.43
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	92.77	13.43
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	107.90	13.43
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	84.81	13.43
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	123.26	13.43
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	139.58	13.43
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	100.27	13.43
27 11 16 00-0101		**Double-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	112.13	13.43
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	125.02	13.43
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	117.71	13.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	136.16	13.43
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	150.79	13.43
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	168.23	13.43
27 11 16 00-0108		**Vertical Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0109		**Single-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	200.63	20.15
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	279.83	20.15
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	445.96	20.15
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	503.92	20.15
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	214.15	20.15
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	301.08	20.15
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	484.60	20.15
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	542.55	20.15
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	241.19	20.15
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	330.06	20.15
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	542.55	20.15
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	600.51	20.15
27 11 16 00-0122		**Double-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	287.56	20.15
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	337.78	20.15
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	542.55	20.15
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	639.14	20.15
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	310.74	20.15
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	360.97	20.15
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	581.19	20.15
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	677.78	20.15
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	341.65	20.15
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	391.87	20.15
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	639.14	20.15
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	735.73	20.15
27 11 16 00-0135		**Accessories For Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	123.45	13.43
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	131.18	13.43
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	138.90	13.43
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	127.31	13.43
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	138.90	13.43
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	150.49	13.43
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	142.77	13.43
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	154.36	13.43
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	165.95	13.43
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	150.49	13.43
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	165.95	13.43
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	177.54	13.43
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	104.13	13.43
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	119.59	13.43
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	124.80	13.43
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	80.95	13.43

27 11 19 Communications Termination Blocks and Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

27 11 19 00-0002 Ethernet Patch Panels *(27 11 19 00-0001)*

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	259.79	67.15
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	366.85	67.15
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	468.15	67.15
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	562.55	67.15
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	877.01	83.94
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,025.70	100.73
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	342.90	67.15
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	373.75	67.15
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	613.20	67.15
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,122.40	100.73
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	809.65	100.73
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	852.00	100.73
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	294.11	67.15
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	47.59	
		For >5 To 10 Cables, Deduct	*-8.57*	
		For >10 Cables, Deduct	*-19.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	13.09	
		For >20 To 40 Pairs, Deduct	*-2.09*	
		For >40 Pairs, Deduct	*-4.97*	
27 11 19 00-0018		**Fiber Optic Cable Patch Panels And Enclosures** *(27 11 19 00-0001)*		
27 11 19 00-0019		**Fiber Optic Cable Connector Housings** *(27 11 19 00-0018)*		
27 11 19 00-0020		**Wall Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	142.68	30.22
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	206.69	30.22
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	301.39	30.22
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	447.14	50.36
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	615.74	50.36
27 11 19 00-0026		**Rack Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	472.30	50.36
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	528.70	50.36
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	568.02	50.36
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	663.03	50.36
27 11 19 00-0031		**Rack Mount, Fiber Optic Cable Pretium® Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	574.59	50.36
		For Splice Tray Bracket, Add	*82.74*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	670.21	50.36
		For Splice Tray Bracket, Add	*90.48*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	831.36	50.36
		For Splice Tray Bracket, Add	*329.62*	
27 11 19 00-0035		**Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	968.72	50.36
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,243.02	50.36
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,409.31	50.36
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,833.40	50.36
27 11 19 00-0040		**Wall Mount, Fiber Optic Cable Industrial Connector Housings** *(27 11 19 00-0019)* Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	642.01	30.22
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	890.95	50.36
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	934.12	50.36
27 11 19 00-0044		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0019)* Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	671.84	30.22
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	890.42	50.36
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,043.16	50.36
27 11 19 00-0048		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0018)*		
27 11 19 00-0049		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	89.22	6.71
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	96.63	6.71
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	108.13	6.71
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	118.01	6.71
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	145.99	6.71
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	160.76	6.71
27 11 19 00-0056		**SC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	85.95	6.71
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	87.69	6.71
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	103.79	6.71
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	106.11	6.71
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	139.47	6.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	142.91	6.71
27 11 19 00-0063		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	123.54	6.71
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	135.68	6.71
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	151.40	6.71
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	167.60	6.71
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	152.81	6.71
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	170.25	6.71
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	262.97	6.71
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	295.29	6.71
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	374.49	6.71
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	281.24	6.71
27 11 19 00-0074		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	74.55	6.71
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	80.16	6.71
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	88.58	6.71
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	96.06	6.71
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	116.62	6.71
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	127.85	6.71
27 11 19 00-0081		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	92.11	6.71
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	136.68	6.71
27 11 19 00-0084		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,073.85	6.71
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,077.58	6.71
27 11 19 00-0087		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0018)*		
27 11 19 00-0088		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	410.55	67.15
27 11 19 00-0090		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	612.06	50.36
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	639.61	50.36
27 11 19 00-0093		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	118.11	16.78
27 11 19 00-0095		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	224.24	50.36
27 11 19 00-0097		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	67.26	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	88.58	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	97.40	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	108.86	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	554.16	67.15
27 11 19 00-0103		**Telephone Components** *(27 11 19)*		
27 11 19 00-0104		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	39.10	13.45
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	73.55	13.45
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	59.45	13.45
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	30.32	13.45
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	21.51	9.41
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	40.59	13.45
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	30.32	13.45
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	21.29	9.41
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	21.14	9.41
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	21.82	9.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0115		**Terminal Block Mounting Channel** *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	20.64	6.72
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	26.48	6.72
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	36.72	6.72
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	26.35	8.07
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	36.04	8.07
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	52.00	8.07
27 11 19 00-0122		**Outlet Termination Hardware** *(27 11 19 00-0103)*		
27 11 19 00-0123	EA	Telephone Outlet Blocks	39.31	6.72
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box Note: Excludes box.	112.50	51.03
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	97.79	30.22
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	97.79	30.22
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	57.41	20.15
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	146.51	33.58
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	146.51	33.58
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	176.07	33.58
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	176.07	33.58
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	160.51	33.58
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,381.44	167.89
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	68.75	13.43
27 11 19 00-0135	EA	5-Pair, Connecting Block	4.14	1.34
27 11 19 00-0136	EA	4-Pair, Connecting Block	4.47	1.34
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	16.82	3.36
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	4.59	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	4.59	
27 11 19 00-0140		**Terminations in Manhole or Junction Box** *(27 11 19 00-0103)*		
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	214.89	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	429.78	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	859.57	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,289.35	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,508.26	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	2,261.73	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,844.61	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	3,556.45	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	5,334.64	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	6,469.50	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	7,373.50	
27 11 23		**Communications Cable Management and Ladder Rack** *(27 11)*		
27 11 23 00-0001		**Equipment Supports** *(27 11 23)*		
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	36.97	6.71
27 11 23 00-0003	LF	Velcro CMP	3.30	1.34
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	131.88	32.23
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	227.37	53.73
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	41.77	10.07
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	17.90	6.71
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	19.01	6.71
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	43.58	12.08
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	92.70	20.15
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	8.44	2.96
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	47.64	16.78

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001		**Modular Plugs For Copper Communications Cable** *(27 13 13 13)*		
27 13 13 13-0002	EA	Modular Plug For Non Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	33.37	
		For >5 To 10, Deduct	*-4.02*	
		For >10, Deduct	*-8.04*	
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	38.12	
		For >5 To 10, Deduct	*-4.52*	
		For >10, Deduct	*-9.05*	
27 13 13 13-0004		**Communications Termination Blocks** *(27 13 13 13)*		
27 13 13 13-0005	EA	100-Pair, 110 Block With Legs	65.66	16.78
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs	112.32	16.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	14.34	6.71
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block	8.12	3.36
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block	8.29	3.36
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	361.80	20.15
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	590.16	20.15

27 13 13 13-0012 Testing And Certification Of Copper Communications Cable *(27 13 13 13)*

Note: Use for existing systems.

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	6.71	
		For >25-Pair, Deduct	*-2.68*	
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable	10.07	
		For >25-Pair, Deduct	*-4.02*	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable	16.11	
		For >25-Pair, Deduct	*-6.43*	
27 13 13 13-0016	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	26.86	
		For >25-Pair, Deduct	*-10.72*	
27 13 13 13-0017	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	40.29	
		For >25-Pair, Deduct	*-16.08*	
27 13 13 13-0018	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	64.47	
		For >25-Pair, Deduct	*-25.74*	

27 13 13 13-0019 Building Entrance Terminals *(27 13 13 13)*

27 13 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,003.03	294.51
27 13 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,984.98	490.85
27 13 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,619.25	785.97

27 13 23 Communications Optical Fiber Backbone Cabling *(27 13)*

27 13 23 13 Communications Optical Fiber Splicing and Terminations *(27 13 23)*

27 13 23 13-0001 Fiber Optic Cable Connectors *(27 13 23 13)*

27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	39.78
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	46.20
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	44.53
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	52.73
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	61.11
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	63.02
27 13 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	92.61

27 13 23 13-0009 Fiber Optic Cable Fan Out Kits *(27 13 23 13)*

27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*

27 13 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	290.28
27 13 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	294.42
27 13 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	329.36
27 13 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	355.56

27 13 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*

Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.

27 13 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	341.25
27 13 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	369.01
27 13 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	539.62
27 13 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	701.68

27 13 23 13-0020 Fiber Optic Cable Splice Closures *(27 13 23 13)*

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 13 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,029.39	134.31
27 13 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,297.99	268.62
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,297.99	268.62
27 13 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,717.77	134.31
27 13 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,986.37	268.62
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,986.37	268.62
27 13 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	71.93	16.78

27 13 23 13-0028 Fiber Optic Cable Splicing *(27 13 23 13)*

27 13 23 13-0029	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	40.29	
27 13 23 13-0030	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	134.31	

27 13 23 13-0031 Fiber Optic Cable Testing *(27 13 23 13)*

Note: Price based on testing one wavelength.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0032		**Fiber Optic Cable Testing Using An OTDR** *(27 13 23 13-0031)*		
		Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	26.86	
		For >12 To 48 Strands, Deduct	*-2.01*	
		For >48 Strands, Deduct	*-2.69*	
27 13 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	40.29	
		For >12 To 48 Strands, Deduct	*-3.02*	
		For >48 Strands, Deduct	*-4.03*	
27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	67.15	
		For >12 To 48 Strands, Deduct	*-5.04*	
		For >48 Strands, Deduct	*-6.72*	
27 13 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	100.73	
		For >12 To 48 Strands, Deduct	*-7.55*	
		For >48 Strands, Deduct	*-10.07*	
27 13 23 13-0037		**Fiber Optic Cable Testing Using A Power Meter** *(27 13 23 13-0031)*		
27 13 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	26.86	
		For >12 To 48 Strands, Deduct	*-2.01*	
		For >48 Strands, Deduct	*-2.69*	
27 13 23 13-0039	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	40.29	
		For >12 To 48 Strands, Deduct	*-3.02*	
		For >48 Strands, Deduct	*-4.03*	
27 13 23 13-0040		**Fiber Optic Cable Light Source/Continuity Testing** *(27 13 23 13-0031)*		
27 13 23 13-0041	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	26.86	
		For >12 To 48 Strands, Deduct	*-2.01*	
		For >48 Strands, Deduct	*-2.69*	
27 13 23 13-0042		**Other Fiber Optic Cable Equipment** *(27 13 23 13)*		
27 13 23 13-0043	EA	8 Port Ethernet Switch	1,093.79	264.24
27 13 23 13-0044	EA	18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth	1,529.29	264.24
		Note: Patch antenna with 1 meter 3' SMA-N cable		
27 13 23 13-0045	EA	Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge	36,912.74	264.24
		Note: 8 Volt DC input		
27 13 23 13-0046	EA	UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	371.10	33.08
27 13 23 13-0047	EA	Hardened Ethernet Switch	3,903.45	132.27
27 13 23 13-0048	EA	1,440 Watt, 120 Volt AC Solar Power Station	101,060.30	3,174.61
27 13 23 13-0049	EA	2,880 Watt, 120 Volt AC Solar Power Station	125,538.81	4,232.82
27 13 23 13-0050	EA	Fiber Break Out Box For 24 Fiber	1,658.50	264.55
27 13 23 13-0051	EA	Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	1,890.89	132.27
27 13 23 13-0052	EA	Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	1,585.94	132.27
27 13 23 13-0053	EA	Fiber Optic 19" Rack, 115 Volt AC Input	2,023.16	198.42
27 13 23 13-0054	EA	Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100 Volt AC - 260 Volt AC, Power Module Included. Gigabit Ports: 1 x 1000TX And 1 x 1000LX SM 20KM, (Etherwan Systems)	1,543.15	
27 13 23 13-0055	EA	Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100 Volt AC - 260 Volt AC.	1,543.15	
27 13 23 13-0056		**Other Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0057	EA	Fiber Optic Finger Splice	48.40	25.25
27 13 23 13-0058	EA	Fiber Optic Splice Box - Manholes	8,278.83	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001		**Fire Alarm/Life Safety Cable** *(27 15 01 19)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0002			Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0003			Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*		
27 15 01 19-0004		MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,097.82	913.83
27 15 01 19-0005		MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,534.00	946.86
27 15 01 19-0006		MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,391.32	1,038.73
27 15 01 19-0007		MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,082.89	1,075.80
27 15 01 19-0008		MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,740.01	1,162.83
27 15 01 19-0009		MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,722.40	1,204.74
27 15 01 19-0010		MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,471.55	1,329.64
27 15 01 19-0011		MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,993.66	1,377.05
27 15 01 19-0012			Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*		
27 15 01 19-0013		MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,620.87	1,827.92
27 15 01 19-0014		MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,112.12	1,893.72
27 15 01 19-0015		MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,122.54	2,077.73
27 15 01 19-0016		MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,875.88	2,151.60
27 15 01 19-0017		MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,678.05	2,326.20
27 15 01 19-0018		MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,730.28	2,409.46
27 15 01 19-0019		MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,687.60	2,659.27
27 15 01 19-0020		MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	7,288.96	2,754.63
27 15 01 19-0021			Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0001)*		
27 15 01 19-0022		MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,371.39	747.82
27 15 01 19-0023		MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,474.79	774.42
27 15 01 19-0024		MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,669.35	913.83
27 15 01 19-0025		MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,769.88	930.35
27 15 01 19-0026		MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,832.24	946.86
27 15 01 19-0027		MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,028.98	979.91
27 15 01 19-0028		MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,307.81	1,012.94
27 15 01 19-0029		MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,941.01	1,038.73
27 15 01 19-0030		MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,160.69	1,075.80
27 15 01 19-0031		MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,238.72	1,162.83
27 15 01 19-0032		MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,578.03	1,204.74
27 15 01 19-0033		MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,710.66	1,329.64
27 15 01 19-0034		MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,253.06	1,377.05
27 15 01 19-0035			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0036			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0035)*		
27 15 01 19-0037		MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,361.55	747.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,662.96	913.83
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,831.66	930.35
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,849.35	946.86
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,118.26	979.91
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,931.35	1,038.73
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,182.37	1,075.80
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,195.24	1,162.83
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,750.83	1,204.74
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,696.45	1,329.64
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,515.38	1,377.05
27 15 01 19-0048		**Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed** *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,607.92	1,496.18
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,186.01	1,827.92
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,381.56	1,860.15
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,427.47	1,893.72
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,751.44	1,959.53
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,662.57	2,077.73
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,975.36	2,151.60
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,133.28	2,326.20
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,758.71	2,409.46
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,912.50	2,659.27
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,810.68	2,754.63
27 15 01 19-0060		**Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable** *(27 15 01 19-0001)*		
27 15 01 19-0061		**Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,402.06	747.82
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,691.88	913.83
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,939.03	930.35
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,878.95	946.86
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,148.53	979.91
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,997.83	1,038.73
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,213.12	1,075.80
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,338.62	1,162.83
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,678.93	1,204.74
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,802.55	1,329.64
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,297.10	1,377.05
27 15 01 19-0073		**Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed** *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,648.43	1,496.18
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,214.93	1,827.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,488.93	1,860.15
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,457.07	1,893.72
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,781.71	1,959.53
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,729.05	2,077.73
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,006.11	2,151.60
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,276.66	2,326.20
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,686.81	2,409.46
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,018.60	2,659.27
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,592.40	2,754.63

27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*

27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*

27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,371.30	747.82
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,720.62	913.83
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,846.04	930.35
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,951.85	946.86
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,183.09	979.91
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,981.79	1,038.73
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,296.25	1,075.80
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,309.87	1,162.83
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,869.97	1,204.74
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,764.06	1,329.64

27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*

27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,617.67	1,496.18
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,243.67	1,827.92
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,395.94	1,860.15
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,529.97	1,893.72
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,816.27	1,959.53
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,713.01	2,077.73
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,089.24	2,151.60
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,247.91	2,326.20
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,877.85	2,409.46
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,980.11	2,659.27

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0002 Indoor Telecommunications Cable *(27 15 13 00-0001)*

Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0003 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0002)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0004 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0003)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0005			24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*		
27 15 13 00-0006			24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0005)*		
27 15 13 00-0007		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,050.96	564.09
27 15 13 00-0008		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,098.25	564.09
27 15 13 00-0009		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,114.96	564.09
27 15 13 00-0010		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,343.36	644.68
27 15 13 00-0011		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,691.47	644.68
27 15 13 00-0012		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,244.20	644.68
27 15 13 00-0013		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,557.86	805.84
27 15 13 00-0014		MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,419.12	1,289.35
27 15 13 00-0015		MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,664.75	1,450.52
27 15 13 00-0016		MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,483.66	1,611.68
27 15 13 00-0017		MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,787.19	2,256.36
27 15 13 00-0018		MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,987.54	2,788.21
27 15 13 00-0019		MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,791.36	3,868.04
27 15 13 00-0020		MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	56,642.73	7,736.08
27 15 13 00-0021		MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	77,107.66	11,604.11
27 15 13 00-0022			24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0005)*		
27 15 13 00-0023		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,991.11	1,128.17
			For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0024		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,038.40	1,128.17
			For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0025		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,055.11	1,128.17
			For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0026		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,149.20	1,128.17
			For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0027		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,497.31	1,128.17
			For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0028		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,318.65	1,289.35
			For Work In Restricted Working Space, Add	*644.67*	
27 15 13 00-0029		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,900.93	1,611.68
			For Work In Restricted Working Space, Add	*805.84*	
27 15 13 00-0030		MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,493.58	1,934.02
			For Work In Restricted Working Space, Add	*967.01*	
27 15 13 00-0031		MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,873.51	2,175.78
			For Work In Restricted Working Space, Add	*1,087.88*	
27 15 13 00-0032		MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,826.73	2,417.52
			For Work In Restricted Working Space, Add	*1,208.76*	
27 15 13 00-0033		MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,667.49	3,384.53
			For Work In Restricted Working Space, Add	*1,692.27*	
27 15 13 00-0034		MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,324.48	4,190.37
			For Work In Restricted Working Space, Add	*2,095.19*	
27 15 13 00-0035		MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	38,014.73	5,802.06
			For Work In Restricted Working Space, Add	*2,901.03*	
27 15 13 00-0036		MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	63,089.47	11,604.11
			For Work In Restricted Working Space, Add	*5,802.06*	
27 15 13 00-0037		MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	86,777.77	17,406.18
			For Work In Restricted Working Space, Add	*8,703.09*	
27 15 13 00-0038			22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*		
27 15 13 00-0039			22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0038)*		
27 15 13 00-0040		MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,620.92	644.68
27 15 13 00-0041		MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,385.24	805.84
27 15 13 00-0042		MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,825.54	1,289.35
27 15 13 00-0043		MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,416.98	1,611.68
27 15 13 00-0044		MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,610.93	2,256.36
27 15 13 00-0045		MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,352.32	2,788.21
27 15 13 00-0046		MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	49,436.57	3,868.04
27 15 13 00-0047			22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0038)*		
27 15 13 00-0048		MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,695.37	1,289.35
			For Work In Restricted Working Space, Add	*644.67*	
27 15 13 00-0049		MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,728.31	1,611.68
			For Work In Restricted Working Space, Add	*805.84*	
27 15 13 00-0050		MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,900.00	1,934.02
			For Work In Restricted Working Space, Add	*967.01*	
27 15 13 00-0051		MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,760.05	2,417.52
			For Work In Restricted Working Space, Add	*1,208.76*	
27 15 13 00-0052		MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	27,491.23	3,384.53
			For Work In Restricted Working Space, Add	*1,692.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0053	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	35,689.26	4,190.37
		For Work In Restricted Working Space, Add	*2,095.19*	
27 15 13 00-0054	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	52,659.94	5,802.06
		For Work In Restricted Working Space, Add	*2,901.03*	

27 15 13 00-0055 Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0003)*

27 15 13 00-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0055)*

27 15 13 00-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0056)*

27 15 13 00-0058	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,089.20	564.09
27 15 13 00-0059	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,136.30	564.09
27 15 13 00-0060	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,171.52	564.09
27 15 13 00-0061	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,406.88	644.68
27 15 13 00-0062	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,786.34	644.68
27 15 13 00-0063	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,814.93	644.68
27 15 13 00-0064	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,719.82	805.84
27 15 13 00-0065	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,853.73	1,289.35
27 15 13 00-0066	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,298.84	1,611.68
27 15 13 00-0067	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,918.73	2,256.36

27 15 13 00-0068 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0056)*

27 15 13 00-0069	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,029.35	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0070	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,076.45	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0071	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,111.67	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0072	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,212.72	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0073	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,592.18	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0074	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,889.38	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	
27 15 13 00-0075	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	6,062.89	1,611.68
		For Work In Restricted Working Space, Add	*805.84*	
27 15 13 00-0076	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	9,928.19	1,934.02
		For Work In Restricted Working Space, Add	*967.01*	
27 15 13 00-0077	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	16,641.91	2,417.52
		For Work In Restricted Working Space, Add	*1,208.76*	
27 15 13 00-0078	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	24,799.03	3,384.53
		For Work In Restricted Working Space, Add	*1,692.27*	

27 15 13 00-0079 Category 5E, Indoor Telecommunications Cable *(27 15 13 00-0002)*

27 15 13 00-0080 Category 5E, Indoor Telecommunications Riser Cable *(27 15 13 00-0079)*

27 15 13 00-0081 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0080)*

27 15 13 00-0082	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,127.14	564.09
27 15 13 00-0083	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,170.94	564.09
27 15 13 00-0084	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,306.09	644.68
27 15 13 00-0085	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,349.87	644.68

27 15 13 00-0086 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0080)*

27 15 13 00-0087	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,067.29	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0088	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,111.09	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0089	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,380.54	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	
27 15 13 00-0090	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,424.32	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	

27 15 13 00-0091 Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0079)*

27 15 13 00-0092 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0091)*

27 15 13 00-0093	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,288.20	564.09
27 15 13 00-0094	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,764.74	644.68

27 15 13 00-0095 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0091)*

27 15 13 00-0096	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,228.35	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0097	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,839.19	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	
27 15 13 00-0098		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0099		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0098)*		
27 15 13 00-0100		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0099)*		
27 15 13 00-0101	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,233.63	564.09
27 15 13 00-0102	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,266.44	564.09
27 15 13 00-0103		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0099)*		
27 15 13 00-0104	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,173.78	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0105	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,206.59	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0106		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0098)*		
27 15 13 00-0107		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0106)*		
27 15 13 00-0108	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,461.87	564.09
27 15 13 00-0109		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0106)*		
27 15 13 00-0110	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,402.02	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0111		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0112		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0111)*		
27 15 13 00-0113		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0112)*		
27 15 13 00-0114	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	1,286.06	564.09
27 15 13 00-0115		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0112)*		
27 15 13 00-0116	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	2,226.21	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0117		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0111)*		
27 15 13 00-0118		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0117)*		
27 15 13 00-0119	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,597.47	564.09
27 15 13 00-0120		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0117)*		
27 15 13 00-0121	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	2,537.62	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 13 00-0122		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0123		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0122)*		
27 15 13 00-0124	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,407.97	644.68
27 15 13 00-0125	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,918.73	644.68
27 15 13 00-0126		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0122)*		
27 15 13 00-0127	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,482.42	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	
27 15 13 00-0128	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	4,993.18	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	
27 15 13 00-0129		Outdoor Telecommunications Cable *(27 15 13 00-0001)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0129)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0132		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0131)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0133	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,086.44	644.68
27 15 13 00-0134	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,514.48	1,128.17
27 15 13 00-0135	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,570.85	725.26
27 15 13 00-0136	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,461.77	805.84
27 15 13 00-0137	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,744.96	1,128.17
27 15 13 00-0138	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,763.59	1,289.35
27 15 13 00-0139	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,866.88	1,450.52
27 15 13 00-0140	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,799.88	2,095.19
27 15 13 00-0141	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	32,865.89	2,739.86
27 15 13 00-0142	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	44,637.01	3,706.88
27 15 13 00-0143	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	70,284.20	7,413.74
27 15 13 00-0144	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	95,955.44	10,959.44
27 15 13 00-0145		**24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0131)*		
27 15 13 00-0146	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,884.97	
27 15 13 00-0147	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,313.01	
27 15 13 00-0148	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,302.24	
27 15 13 00-0149	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,193.16	
27 15 13 00-0150	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,342.03	
27 15 13 00-0151	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,092.05	
27 15 13 00-0152	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,598.27	
27 15 13 00-0153	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,994.04	
27 15 13 00-0154	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,187.06	
27 15 13 00-0155	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	41,682.26	
27 15 13 00-0156	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	62,225.79	
27 15 13 00-0157	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	84,136.43	
27 15 13 00-0158		**22 AWG, PE-89 Outdoor Telecommunications Cable** *(27 15 13 00-0130)*		
27 15 13 00-0159		**22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0158)*		
27 15 13 00-0160	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,358.56	644.68
27 15 13 00-0161	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,022.87	644.68
27 15 13 00-0162	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,611.50	725.26
27 15 13 00-0163	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,314.00	805.84
27 15 13 00-0164	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,639.48	1,128.17
27 15 13 00-0165	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,698.63	1,289.35
27 15 13 00-0166	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,458.12	1,450.52
27 15 13 00-0167	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,626.51	2,095.19
27 15 13 00-0168	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	47,461.12	2,739.86
27 15 13 00-0169	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	70,124.87	3,706.88
27 15 13 00-0170	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	102,473.26	7,413.74
27 15 13 00-0171	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	144,113.24	10,959.44
27 15 13 00-0172		**22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0158)*		
27 15 13 00-0173	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,157.09	
27 15 13 00-0174	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,821.40	
27 15 13 00-0175	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,342.89	
27 15 13 00-0176	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,045.39	
27 15 13 00-0177	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,236.55	
27 15 13 00-0178	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,295.71	
27 15 13 00-0179	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,189.51	
27 15 13 00-0180	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,820.67	
27 15 13 00-0181	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,782.29	
27 15 13 00-0182	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	67,170.12	
27 15 13 00-0183	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	94,414.85	
27 15 13 00-0184	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	132,294.23	
27 15 13 00-0185		**19 AWG, PE-89 Outdoor Telecommunications Cable** *(27 15 13 00-0130)*		
27 15 13 00-0186		**19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0185)*		
27 15 13 00-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,819.60	725.26
27 15 13 00-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,584.80	805.84
27 15 13 00-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,794.08	1,128.17
27 15 13 00-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,119.27	1,289.35
27 15 13 00-0191		**19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0185)*		
27 15 13 00-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,550.99	
27 15 13 00-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,316.19	
27 15 13 00-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,391.15	
27 15 13 00-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,716.35	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0196			PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0129)* Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197			24 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0198			24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0197)*		
27 15 13 00-0199	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,930.54	1,128.17
27 15 13 00-0200	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,454.20	1,128.17
27 15 13 00-0201	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,510.66	1,128.17
27 15 13 00-0202	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,413.14	1,128.17
27 15 13 00-0203	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,271.65	1,128.17
27 15 13 00-0204	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,643.10	1,450.52
27 15 13 00-0205	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,222.72	2,095.19
27 15 13 00-0206	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,818.10	2,739.86
27 15 13 00-0207	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	48,947.47	3,706.88
27 15 13 00-0208	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	75,858.68	7,413.74
27 15 13 00-0209	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	110,413.40	10,959.44
27 15 13 00-0210			24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0197)*		
27 15 13 00-0211	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,527.61	
27 15 13 00-0212	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,051.27	
27 15 13 00-0213	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,107.73	
27 15 13 00-0214	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,010.21	
27 15 13 00-0215	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,868.72	
27 15 13 00-0216	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,374.49	
27 15 13 00-0217	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,416.88	
27 15 13 00-0218	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,139.27	
27 15 13 00-0219	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	45,992.72	
27 15 13 00-0220	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	67,800.27	
27 15 13 00-0221	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	98,594.39	
27 15 13 00-0222			22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0223			22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0222)*		
27 15 13 00-0224	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,233.29	1,128.17
27 15 13 00-0225	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,002.78	1,128.17
27 15 13 00-0226	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,640.31	1,128.17
27 15 13 00-0227	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,652.77	1,128.17
27 15 13 00-0228	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,939.38	1,128.17
27 15 13 00-0229	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,626.04	1,450.52
27 15 13 00-0230	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,482.65	2,095.19
27 15 13 00-0231	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	51,855.73	2,739.86
27 15 13 00-0232	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	72,446.28	3,706.88
27 15 13 00-0233	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	113,908.70	7,413.74
27 15 13 00-0234			22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0222)*		
27 15 13 00-0235	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,830.36	
27 15 13 00-0236	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,599.85	
27 15 13 00-0237	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,237.38	
27 15 13 00-0238	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,249.84	
27 15 13 00-0239	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,536.45	
27 15 13 00-0240	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,357.43	
27 15 13 00-0241	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,676.81	
27 15 13 00-0242	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	50,176.90	
27 15 13 00-0243	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	69,491.53	
27 15 13 00-0244	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	105,850.29	
27 15 13 00-0245			19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0246			19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0245)*		
27 15 13 00-0247	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,267.80	1,128.17
27 15 13 00-0248	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,377.47	1,128.17
27 15 13 00-0249	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,046.77	1,128.17
27 15 13 00-0250			19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0245)*		
27 15 13 00-0251	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,864.87	
27 15 13 00-0252	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,974.54	
27 15 13 00-0253	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,643.84	
27 15 13 00-0254			(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0129)* Note: Includes support wire.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0255			**24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles** *(27 15 13 00-0254)*		
27 15 13 00-0256		MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,376.62	2,232.05
27 15 13 00-0257		MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,812.33	2,232.05
27 15 13 00-0258		MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,894.11	2,232.05
27 15 13 00-0259		MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,897.01	2,232.05
27 15 13 00-0260		MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,765.58	2,232.05
27 15 13 00-0261		MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	23,964.86	2,455.26
27 15 13 00-0262		MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,212.01	2,678.46
27 15 13 00-0263			**22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles** *(27 15 13 00-0254)*		
27 15 13 00-0264		MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,897.90	2,232.05
27 15 13 00-0265		MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,541.64	2,232.05
27 15 13 00-0266		MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,092.14	2,232.05
27 15 13 00-0267		MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,155.29	2,232.05
27 15 13 00-0268		MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,953.36	2,232.05
27 15 13 00-0269		MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	33,246.49	2,455.26
27 15 13 00-0270			**19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles** *(27 15 13 00-0254)*		
27 15 13 00-0271		MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,587.08	2,232.05
27 15 13 00-0272		MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,042.86	2,232.05
27 15 13 00-0273		MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,905.16	2,232.05
27 15 13 00-0274		MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,629.81	2,232.05
27 15 13 00-0275		MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,189.31	2,232.05
27 15 13 00-0276			**Solid Conductor Low Voltage Cable** *(27 15 13)*		
27 15 13 00-0277			**Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0276)*		
27 15 13 00-0278			**#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0277)*		
27 15 13 00-0279		MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,309.98	1,214.85
			For #10 AWG, Add	*499.05*	
			For Work In Restricted Working Space, Add	*607.48*	
27 15 13 00-0280		MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,622.98	1,257.80
			For #10 AWG, Add	*592.98*	
			For Work In Restricted Working Space, Add	*629.08*	
27 15 13 00-0281		MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,902.22	1,301.97
			For #10 AWG, Add	*675.72*	
			For Work In Restricted Working Space, Add	*650.80*	
27 15 13 00-0282		MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,197.00	1,346.15
			For #10 AWG, Add	*763.26*	
			For Work In Restricted Working Space, Add	*673.28*	
27 15 13 00-0283		MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,555.20	1,436.96
			For #10 AWG, Add	*861.78*	
			For Work In Restricted Working Space, Add	*718.69*	
27 15 13 00-0284		MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,887.87	1,526.53
			For #10 AWG, Add	*952.16*	
			For Work In Restricted Working Space, Add	*763.47*	
27 15 13 00-0285		MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,260.61	1,708.15
			For #10 AWG, Add	*1,035.97*	
			For Work In Restricted Working Space, Add	*853.91*	
27 15 13 00-0286		MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,637.86	2,251.76
			For #10 AWG, Add	*1,372.71*	
			For Work In Restricted Working Space, Add	*1,125.66*	
27 15 13 00-0287		MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,369.54	3,325.49
			For #10 AWG, Add	*2,041.61*	
			For Work In Restricted Working Space, Add	*1,662.32*	
27 15 13 00-0288			**#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0277)*		
27 15 13 00-0289		MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,043.10	1,062.69
			For Work In Restricted Working Space, Add	*531.22*	
27 15 13 00-0290		MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,337.15	1,100.73
			For Work In Restricted Working Space, Add	*550.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0291	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,598.60	1,138.76
		For Work In Restricted Working Space, Add	*569.51*	
27 15 13 00-0292	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,873.70	1,178.03
		For Work In Restricted Working Space, Add	*589.02*	
27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,203.84	1,257.80
		For Work In Restricted Working Space, Add	*628.77*	
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,509.17	1,336.33
		For Work In Restricted Working Space, Add	*667.80*	
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,842.31	1,494.63
		For Work In Restricted Working Space, Add	*747.32*	
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,084.21	1,969.52
		For Work In Restricted Working Space, Add	*984.76*	
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,552.09	2,909.50
		For Work In Restricted Working Space, Add	*1,454.87*	

27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,821.60	948.57
		For Work In Restricted Working Space, Add	*474.53*	
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,023.07	982.93
		For Work In Restricted Working Space, Add	*491.46*	
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,311.29	1,017.28
		For Work In Restricted Working Space, Add	*508.40*	
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,555.17	1,051.64
		For Work In Restricted Working Space, Add	*526.07*	
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,847.00	1,122.82
		For Work In Restricted Working Space, Add	*561.41*	
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,117.90	1,192.76
		For Work In Restricted Working Space, Add	*596.38*	
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,265.67	1,263.93
		For Work In Restricted Working Space, Add	*631.72*	
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,414.68	1,335.10
		For Work In Restricted Working Space, Add	*667.43*	
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,754.13	1,419.78
		For Work In Restricted Working Space, Add	*709.77*	
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,517.53	1,758.46
		For Work In Restricted Working Space, Add	*879.29*	
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,709.73	2,597.81
		For Work In Restricted Working Space, Add	*1,298.97*	

27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,560.90	835.67
		For Work In Restricted Working Space, Add	*417.47*	
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,754.38	865.12
		For Work In Restricted Working Space, Add	*432.56*	
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,927.57	894.57
		For Work In Restricted Working Space, Add	*447.65*	
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,108.51	925.24
		For Work In Restricted Working Space, Add	*462.75*	
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,335.68	987.83
		For Work In Restricted Working Space, Add	*494.04*	
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,547.74	1,049.19
		For Work In Restricted Working Space, Add	*524.96*	
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,797.44	1,174.36
		For Work In Restricted Working Space, Add	*587.18*	

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27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,699.66	1,547.39
		For Work In Restricted Working Space, Add	*773.82*	
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,490.57	2,286.12
		For Work In Restricted Working Space, Add	*1,143.06*	

27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,395.31	759.58
		For Work In Restricted Working Space, Add	*379.55*	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,551.44	786.59
		For Work In Restricted Working Space, Add	*393.17*	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,690.56	814.19
		For Work In Restricted Working Space, Add	*406.79*	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,836.37	841.80
		For Work In Restricted Working Space, Add	*420.78*	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,025.87	898.25
		For Work In Restricted Working Space, Add	*448.94*	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,203.48	954.70
		For Work In Restricted Working Space, Add	*477.10*	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,434.39	1,067.59
		For Work In Restricted Working Space, Add	*533.80*	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,205.92	1,407.50
		For Work In Restricted Working Space, Add	*703.51*	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,755.49	2,078.74
		For Work In Restricted Working Space, Add	*1,039.25*	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,983.44	2,127.82
		For Work In Restricted Working Space, Add	*1,063.91*	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,890.19	2,477.55
		For Work In Restricted Working Space, Add	*1,238.78*	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,314.58	2,651.81
		For Work In Restricted Working Space, Add	*1,326.02*	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,668.73	3,314.45
		For Work In Restricted Working Space, Add	*1,656.97*	
27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,307.94	4,363.64
		For Work In Restricted Working Space, Add	*2,181.56*	

27 15 13 00-0335 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,206.84	683.51
		For Work In Restricted Working Space, Add	*341.63*	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,272.43	708.05
		For Work In Restricted Working Space, Add	*353.78*	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,348.79	732.59
		For Work In Restricted Working Space, Add	*366.29*	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,429.93	757.13
		For Work In Restricted Working Space, Add	*378.81*	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,561.89	808.67
		For Work In Restricted Working Space, Add	*404.21*	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,693.00	856.53
		For Work In Restricted Working Space, Add	*428.51*	

27 15 13 00-0342 Triad *(27 15 13 00-0277)*

27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,158.80	1,017.28
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,105.71	1,407.50
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,429.52	2,078.74
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	8,021.32	2,477.55
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	13,161.71	3,838.43
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	15,148.62	4,363.64

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27 15 13 00-0349		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*		
27 15 13 00-0350		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*		
27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,334.90	2,429.70
		For #10 AWG, Add	*904.04*	
		For Work In Restricted Working Space, Add	*1,214.95*	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,719.94	2,515.59
		For #10 AWG, Add	*1,012.37*	
		For Work In Restricted Working Space, Add	*1,258.17*	
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,071.55	2,603.95
		For #10 AWG, Add	*1,109.58*	
		For Work In Restricted Working Space, Add	*1,301.60*	
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,441.27	2,692.30
		For #10 AWG, Add	*1,212.11*	
		For Work In Restricted Working Space, Add	*1,346.56*	
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,950.83	2,873.91
		For #10 AWG, Add	*1,340.91*	
		For Work In Restricted Working Space, Add	*1,437.38*	
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,432.77	3,053.07
		For #10 AWG, Add	*1,461.14*	
		For Work In Restricted Working Space, Add	*1,526.94*	
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,106.99	3,416.30
		For #10 AWG, Add	*1,605.25*	
		For Work In Restricted Working Space, Add	*1,707.83*	
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,390.06	4,503.53
		For #10 AWG, Add	*2,123.15*	
		For Work In Restricted Working Space, Add	*2,251.32*	
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,910.59	6,650.98
		For #10 AWG, Add	*3,149.82*	
		For Work In Restricted Working Space, Add	*3,324.63*	
27 15 13 00-0360		#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*		
27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,813.83	2,125.37
		For Work In Restricted Working Space, Add	*1,062.44*	
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,171.69	2,201.45
		For Work In Restricted Working Space, Add	*1,100.72*	
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,496.94	2,277.53
		For Work In Restricted Working Space, Add	*1,139.01*	
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,837.08	2,356.07
		For Work In Restricted Working Space, Add	*1,178.03*	
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,299.76	2,515.59
		For Work In Restricted Working Space, Add	*1,257.55*	
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,735.17	2,672.66
		For Work In Restricted Working Space, Add	*1,335.60*	
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,333.36	2,989.26
		For Work In Restricted Working Space, Add	*1,494.63*	
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,366.74	3,939.05
		For Work In Restricted Working Space, Add	*1,969.52*	
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,401.66	5,819.00
		For Work In Restricted Working Space, Add	*2,909.74*	
27 15 13 00-0370		#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*		
27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,403.36	1,897.12
		For Work In Restricted Working Space, Add	*949.05*	
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,661.27	1,965.84
		For Work In Restricted Working Space, Add	*982.92*	

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27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,005.94	2,034.56
		For Work In Restricted Working Space, Add	*1,016.79*	
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,308.72	2,103.28
		For Work In Restricted Working Space, Add	*1,052.13*	
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,718.35	2,245.62
		For Work In Restricted Working Space, Add	*1,122.81*	
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,105.84	2,385.52
		For Work In Restricted Working Space, Add	*1,192.76*	
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,371.41	2,527.86
		For Work In Restricted Working Space, Add	*1,263.44*	
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,639.45	2,670.21
		For Work In Restricted Working Space, Add	*1,334.86*	
27 15 13 00-0379	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,120.01	2,839.55
		For Work In Restricted Working Space, Add	*1,419.53*	
27 15 13 00-0380	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,448.50	3,516.92
		For Work In Restricted Working Space, Add	*1,758.58*	
27 15 13 00-0381	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,039.62	5,195.62
		For Work In Restricted Working Space, Add	*2,597.93*	

27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0383	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,952.46	1,671.34
		For Work In Restricted Working Space, Add	*834.93*	
27 15 13 00-0384	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,196.25	1,730.24
		For Work In Restricted Working Space, Add	*865.12*	
27 15 13 00-0385	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,419.75	1,789.14
		For Work In Restricted Working Space, Add	*895.31*	
27 15 13 00-0386	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,650.99	1,850.50
		For Work In Restricted Working Space, Add	*925.49*	
27 15 13 00-0387	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,982.48	1,975.66
		For Work In Restricted Working Space, Add	*988.08*	
27 15 13 00-0388	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,297.60	2,098.38
		For Work In Restricted Working Space, Add	*1,049.92*	
27 15 13 00-0389	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,754.69	2,348.70
		For Work In Restricted Working Space, Add	*1,174.35*	
27 15 13 00-0390	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,279.06	3,094.79
		For Work In Restricted Working Space, Add	*1,547.64*	
27 15 13 00-0391	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,300.76	4,572.24
		For Work In Restricted Working Space, Add	*2,286.11*	

27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0393	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,660.47	1,519.18
		For Work In Restricted Working Space, Add	*759.10*	
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,862.01	1,573.16
		For Work In Restricted Working Space, Add	*786.34*	
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,046.53	1,628.39
		For Work In Restricted Working Space, Add	*813.58*	
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,238.96	1,683.60
		For Work In Restricted Working Space, Add	*841.56*	
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,522.34	1,796.50
		For Work In Restricted Working Space, Add	*897.88*	
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,793.83	1,909.39
		For Work In Restricted Working Space, Add	*954.21*	
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,213.71	2,135.18
		For Work In Restricted Working Space, Add	*1,067.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,550.94	2,815.01
		For Work In Restricted Working Space, Add	*1,407.01*	
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,219.62	4,157.47
		For Work In Restricted Working Space, Add	*2,078.48*	
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,529.80	4,255.65
		For Work In Restricted Working Space, Add	*2,127.82*	
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,019.45	4,955.10
		For Work In Restricted Working Space, Add	*2,477.56*	
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,734.64	5,303.60
		For Work In Restricted Working Space, Add	*2,652.04*	
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,191.95	6,628.89
		For Work In Restricted Working Space, Add	*3,313.94*	
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	17,579.78	8,727.26
		For Work In Restricted Working Space, Add	*4,363.11*	
27 15 13 00-0407		**#22 AWG, Shielded, Low Voltage Cable, Installed Exposed** *(27 15 13 00-0349)*		
27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,345.61	1,367.01
		For Work In Restricted Working Space, Add	*683.26*	
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,451.69	1,416.09
		For Work In Restricted Working Space, Add	*707.56*	
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,569.77	1,465.18
		For Work In Restricted Working Space, Add	*732.59*	
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,692.63	1,514.27
		For Work In Restricted Working Space, Add	*757.62*	
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,909.28	1,617.34
		For Work In Restricted Working Space, Add	*808.43*	
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,121.36	1,713.05
		For Work In Restricted Working Space, Add	*857.02*	
27 15 13 00-0414		**Triad, Installed Exposed** *(27 15 13 00-0349)*		
27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,158.80	1,017.28
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,105.71	1,407.50
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,429.52	2,078.74
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	8,021.32	2,477.55
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	13,161.71	3,838.43
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	15,148.62	4,363.64
27 15 13 00-0421		**Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0276)*		
27 15 13 00-0422		**#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,984.86	1,062.69
		For Work In Restricted Working Space, Add	*531.22*	
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,229.68	1,100.73
		For Work In Restricted Working Space, Add	*550.36*	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,448.87	1,138.76
		For Work In Restricted Working Space, Add	*569.51*	
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,679.05	1,178.03
		For Work In Restricted Working Space, Add	*589.02*	
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,964.49	1,256.56
		For Work In Restricted Working Space, Add	*628.04*	
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,233.57	1,335.10
		For Work In Restricted Working Space, Add	*667.43*	
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,553.37	1,494.63
		For Work In Restricted Working Space, Add	*747.32*	
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,698.96	1,969.52
		For Work In Restricted Working Space, Add	*984.76*	

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27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,974.22	2,909.50
		For Work In Restricted Working Space, Add	*1,454.87*	

27 15 13 00-0432 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,770.31	948.57
		For Work In Restricted Working Space, Add	*474.53*	
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,986.16	982.93
		For Work In Restricted Working Space, Add	*491.46*	
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,179.43	1,017.28
		For Work In Restricted Working Space, Add	*508.40*	
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,383.76	1,051.64
		For Work In Restricted Working Space, Add	*526.07*	
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,637.16	1,121.58
		For Work In Restricted Working Space, Add	*561.04*	
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,876.28	1,192.76
		For Work In Restricted Working Space, Add	*596.38*	
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,017.65	1,263.93
		For Work In Restricted Working Space, Add	*631.72*	
27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,220.71	1,335.10
		For Work In Restricted Working Space, Add	*667.43*	
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,527.70	1,419.78
		For Work In Restricted Working Space, Add	*709.73*	
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,178.28	1,758.46
		For Work In Restricted Working Space, Add	*879.29*	
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,201.45	2,597.81
		For Work In Restricted Working Space, Add	*1,299.15*	

27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,548.92	834.44
		For Work In Restricted Working Space, Add	*417.47*	
27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,724.05	865.12
		For Work In Restricted Working Space, Add	*432.56*	
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,839.47	895.80
		For Work In Restricted Working Space, Add	*447.65*	
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,987.48	925.24
		For Work In Restricted Working Space, Add	*462.75*	
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,178.60	987.83
		For Work In Restricted Working Space, Add	*494.04*	
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,368.52	1,050.41
		For Work In Restricted Working Space, Add	*524.96*	
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,803.81	1,174.36
		For Work In Restricted Working Space, Add	*587.18*	
27 15 13 00-0452	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,653.24	1,547.39
		For Work In Restricted Working Space, Add	*773.82*	
27 15 13 00-0453	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,983.05	2,286.12
		For Work In Restricted Working Space, Add	*1,143.06*	

27 15 13 00-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0455	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,376.25	759.58
		For Work In Restricted Working Space, Add	*379.55*	
27 15 13 00-0456	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,499.93	786.59
		For Work In Restricted Working Space, Add	*393.17*	
27 15 13 00-0457	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,755.22	895.80
		For Work In Restricted Working Space, Add	*447.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0458	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,910.50	941.69
		For Work In Restricted Working Space, Add	*470.84*	
27 15 13 00-0459	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,062.99	987.83
		For Work In Restricted Working Space, Add	*494.04*	
27 15 13 00-0460	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,231.91	1,050.41
		For Work In Restricted Working Space, Add	*524.96*	
27 15 13 00-0461	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,463.65	1,168.95
		For Work In Restricted Working Space, Add	*584.60*	
27 15 13 00-0462	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,021.83	1,407.50
		For Work In Restricted Working Space, Add	*703.51*	
27 15 13 00-0463	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,479.37	2,078.74
		For Work In Restricted Working Space, Add	*1,039.25*	
27 15 13 00-0464	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,676.15	2,127.82
		For Work In Restricted Working Space, Add	*1,063.91*	
27 15 13 00-0465	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,513.66	2,477.55
		For Work In Restricted Working Space, Add	*1,238.78*	
27 15 13 00-0466	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,909.48	2,651.81
		For Work In Restricted Working Space, Add	*1,326.02*	
27 15 13 00-0467	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,209.97	3,314.45
		For Work In Restricted Working Space, Add	*1,656.97*	
27 15 13 00-0468	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,658.74	4,363.64
		For Work In Restricted Working Space, Add	*2,181.56*	
27 15 13 00-0469		**#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0470	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,212.41	683.51
		For Work In Restricted Working Space, Add	*341.63*	
27 15 13 00-0471	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,280.04	708.05
		For Work In Restricted Working Space, Add	*353.78*	
27 15 13 00-0472	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,364.28	732.59
		For Work In Restricted Working Space, Add	*366.29*	
27 15 13 00-0473	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,454.82	757.13
		For Work In Restricted Working Space, Add	*378.81*	
27 15 13 00-0474	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,585.15	808.67
		For Work In Restricted Working Space, Add	*404.21*	
27 15 13 00-0475	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,721.69	856.53
		For Work In Restricted Working Space, Add	*428.51*	
27 15 13 00-0476		**Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0276)*		
27 15 13 00-0477		**#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0476)*		
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,755.59	2,125.37
		For Work In Restricted Working Space, Add	*1,062.44*	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,064.22	2,201.45
		For Work In Restricted Working Space, Add	*1,100.72*	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,347.22	2,277.53
		For Work In Restricted Working Space, Add	*1,139.01*	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,642.43	2,356.07
		For Work In Restricted Working Space, Add	*1,178.03*	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,057.96	2,513.14
		For Work In Restricted Working Space, Add	*1,256.08*	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,458.33	2,670.21
		For Work In Restricted Working Space, Add	*1,334.86*	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,044.42	2,989.26
		For Work In Restricted Working Space, Add	*1,494.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,981.49	3,939.05
		For Work In Restricted Working Space, Add	*1,969.52*	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,823.79	5,819.00
		For Work In Restricted Working Space, Add	*2,909.74*	
27 15 13 00-0487		**#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0476)*		
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,352.07	1,897.12
		For Work In Restricted Working Space, Add	*949.05*	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,624.36	1,965.84
		For Work In Restricted Working Space, Add	*982.92*	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,874.08	2,034.56
		For Work In Restricted Working Space, Add	*1,016.79*	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,137.31	2,103.28
		For Work In Restricted Working Space, Add	*1,052.13*	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,507.28	2,243.17
		For Work In Restricted Working Space, Add	*1,122.08*	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,864.22	2,385.52
		For Work In Restricted Working Space, Add	*1,192.76*	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,123.39	2,527.86
		For Work In Restricted Working Space, Add	*1,263.44*	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,445.48	2,670.21
		For Work In Restricted Working Space, Add	*1,334.86*	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,893.46	2,839.55
		For Work In Restricted Working Space, Add	*1,419.46*	
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,109.25	3,516.92
		For Work In Restricted Working Space, Add	*1,758.58*	
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,531.94	5,195.62
		For Work In Restricted Working Space, Add	*2,598.29*	
27 15 13 00-0499		**#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0476)*		
27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,940.48	1,668.88
		For Work In Restricted Working Space, Add	*834.93*	
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,165.92	1,730.24
		For Work In Restricted Working Space, Add	*865.12*	
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,331.65	1,791.59
		For Work In Restricted Working Space, Add	*895.31*	
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,529.96	1,850.50
		For Work In Restricted Working Space, Add	*925.49*	
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,825.40	1,975.66
		For Work In Restricted Working Space, Add	*988.08*	
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,118.38	2,100.82
		For Work In Restricted Working Space, Add	*1,049.92*	
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,761.06	2,348.70
		For Work In Restricted Working Space, Add	*1,174.35*	
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,232.64	3,094.79
		For Work In Restricted Working Space, Add	*1,547.64*	
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,793.24	4,572.24
		For Work In Restricted Working Space, Add	*2,286.11*	
27 15 13 00-0509		**#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0476)*		
27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,641.41	1,519.18
		For Work In Restricted Working Space, Add	*759.10*	
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,810.50	1,573.16
		For Work In Restricted Working Space, Add	*786.34*	

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27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,247.40	1,791.59
		For Work In Restricted Working Space, Add	*895.31*	
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,479.98	1,883.38
		For Work In Restricted Working Space, Add	*941.69*	
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,709.79	1,975.66
		For Work In Restricted Working Space, Add	*988.08*	
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,981.77	2,100.82
		For Work In Restricted Working Space, Add	*1,049.92*	
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,412.32	2,337.91
		For Work In Restricted Working Space, Add	*1,169.20*	
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,366.85	2,815.01
		For Work In Restricted Working Space, Add	*1,407.01*	
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,943.50	4,157.47
		For Work In Restricted Working Space, Add	*2,078.48*	
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,222.51	4,255.65
		For Work In Restricted Working Space, Add	*2,127.82*	
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,642.92	4,955.10
		For Work In Restricted Working Space, Add	*2,477.56*	
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,329.54	5,303.60
		For Work In Restricted Working Space, Add	*2,652.04*	
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,733.19	6,628.89
		For Work In Restricted Working Space, Add	*3,313.94*	
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	16,930.58	8,727.26
		For Work In Restricted Working Space, Add	*4,363.11*	

27 15 13 00-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0525	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,351.18	1,367.01
		For Work In Restricted Working Space, Add	*683.26*	
27 15 13 00-0526	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,459.30	1,416.09
		For Work In Restricted Working Space, Add	*707.56*	
27 15 13 00-0527	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,585.26	1,465.18
		For Work In Restricted Working Space, Add	*732.59*	
27 15 13 00-0528	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,717.52	1,514.27
		For Work In Restricted Working Space, Add	*757.62*	
27 15 13 00-0529	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,932.54	1,617.34
		For Work In Restricted Working Space, Add	*808.43*	
27 15 13 00-0530	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,150.05	1,713.05
		For Work In Restricted Working Space, Add	*857.02*	

27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0276)*

Note: Excludes excavation.

27 15 13 00-0532	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,865.68
27 15 13 00-0533	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,151.83
27 15 13 00-0534	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,406.84
27 15 13 00-0535	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,675.99
27 15 13 00-0536	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,992.53
27 15 13 00-0537	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,285.49

27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) *(27 15 13 00-0276)*

27 15 13 00-0539	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,976.12	651.06
27 15 13 00-0540	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,328.05	697.52
27 15 13 00-0541	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,007.80	881.80
27 15 13 00-0542	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,579.36	1,019.91
27 15 13 00-0543	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,843.67	1,162.48
27 15 13 00-0544	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,922.10	1,485.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0545		Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*		
27 15 13 00-0546	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,773.40	948.57
27 15 13 00-0547	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,090.95	982.93
27 15 13 00-0548	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,317.63	1,017.28
27 15 13 00-0549	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,444.45	1,051.64
27 15 13 00-0550	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,890.05	1,121.58
27 15 13 00-0551	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,119.80	1,192.76
27 15 13 00-0552	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,854.66	1,335.10
27 15 13 00-0553	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,820.15	1,758.46
27 15 13 00-0554	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,296.00	2,597.81
27 15 13 00-0555	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,537.07	834.44
27 15 13 00-0556	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,798.37	865.12
27 15 13 00-0557	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,016.19	895.80
27 15 13 00-0558	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,128.98	925.24
27 15 13 00-0559	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,510.33	987.83
27 15 13 00-0560	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,800.18	1,050.41
27 15 13 00-0561	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,159.22	1,174.36
27 15 13 00-0562	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,091.65	1,547.39
27 15 13 00-0563	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,477.90	2,286.12
27 15 13 00-0564	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,364.76	759.58
27 15 13 00-0565	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,533.31	786.59
27 15 13 00-0566	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,696.92	813.58
27 15 13 00-0567	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,803.74	841.80
27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,958.40	898.25
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,129.90	954.70
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,385.10	1,067.59
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,268.63	1,407.50
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,947.79	2,078.74
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,197.32	2,127.82
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,116.84	2,477.55
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,596.71	2,651.81
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,988.23	3,314.45
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,760.06	4,363.64
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,644.69	8,037.62
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,717.99	10,636.66
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	40,861.06	13,403.81
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	57,386.61	18,385.91
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,328.88	759.58
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,453.05	786.59
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,574.07	813.58
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,659.20	841.80

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27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,792.18	898.25
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,935.48	954.70
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,166.82	1,067.59
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,935.83	1,407.50
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,413.20	2,078.74
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,602.44	2,127.82
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,423.44	2,477.55
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,812.42	2,651.81
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,100.04	3,314.45
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,503.19	4,363.64
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,984.81	8,037.62
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	26,021.92	10,636.66
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	34,167.33	13,403.81
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	47,722.99	18,385.91

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,804.95	948.57
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,038.42	982.93
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,187.23	1,017.28
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,383.44	1,051.64
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,625.62	1,121.58
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,865.34	1,192.76
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,425.42	1,335.10
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,455.50	1,758.46
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,639.45	2,597.81
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,581.27	834.44
27 15 13 00-0611	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,782.05	865.12
27 15 13 00-0612	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,910.86	895.80
27 15 13 00-0613	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,078.95	925.24
27 15 13 00-0614	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,287.92	987.83
27 15 13 00-0615	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,495.68	1,050.41
27 15 13 00-0616	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,977.81	1,174.36
27 15 13 00-0617	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,874.74	1,547.39
27 15 13 00-0618	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,772.81	2,286.12
27 15 13 00-0619	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,399.08	759.58
27 15 13 00-0620	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,572.24	786.59
27 15 13 00-0621	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,696.15	813.58
27 15 13 00-0622	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,914.25	841.80
27 15 13 00-0623	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,115.89	898.25
27 15 13 00-0624	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,486.83	954.70
27 15 13 00-0625	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,779.87	1,067.59
27 15 13 00-0626	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,530.29	1,407.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0627	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,311.32	2,078.74
27 15 13 00-0628	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,600.76	2,127.82
27 15 13 00-0629	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,646.83	2,477.55
27 15 13 00-0630	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,128.62	2,651.81
27 15 13 00-0631	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,590.59	3,314.45
27 15 13 00-0632	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,612.47	4,363.64
27 15 13 00-0633	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	22,449.23	8,037.62
27 15 13 00-0634	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	33,903.65	10,636.66
27 15 13 00-0635	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	45,401.34	13,403.81
27 15 13 00-0636	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	63,941.35	18,384.69
27 15 13 00-0637	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,350.82	759.58
27 15 13 00-0638	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,477.96	786.59
27 15 13 00-0639	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,573.58	813.58
27 15 13 00-0640	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,729.89	841.80
27 15 13 00-0641	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,892.92	898.25
27 15 13 00-0642	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,163.81	954.70
27 15 13 00-0643	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,419.36	1,067.59
27 15 13 00-0644	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,103.21	1,407.50
27 15 13 00-0645	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,645.74	2,078.74
27 15 13 00-0646	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,860.52	2,127.82
27 15 13 00-0647	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,739.69	2,477.55
27 15 13 00-0648	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,152.67	2,651.81
27 15 13 00-0649	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,485.35	3,314.45
27 15 13 00-0650	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,048.45	4,363.64
27 15 13 00-0651	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	19,139.05	8,037.62
27 15 13 00-0652	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,059.77	10,636.66
27 15 13 00-0653	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	37,072.09	13,403.81
27 15 13 00-0654	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	51,916.80	18,385.91
27 15 13 00-0655		**Sound System Cables** *(27 15 13)*		
		Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		**Speaker/Communications And Control Cable, Installed Exposed** *(27 15 13 00-0655)*		
27 15 13 00-0657		**Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed** *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,027.69	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,923.22	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,842.64	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,930.76	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,213.98	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,496.27	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,215.17	858.98
		For Work In Restricted Working Space, Add	*515.39*	

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27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,079.18	858.98
		For Work In Restricted Working Space, Add	*515.39*	

27 15 13 00-0666 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*

27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,070.85	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,950.67	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,882.65	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,996.16	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,235.95	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,209.50	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,043.27	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,325.83	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,607.61	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,916.76	858.98
		For Work In Restricted Working Space, Add	*515.39*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,972.90	858.98
		For Work In Restricted Working Space, Add	*515.39*	

27 15 13 00-0678 Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*

27 15 13 00-0679 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,168.71	429.50
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,064.24	429.50
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	983.66	429.50
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,071.78	429.50
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,355.00	429.50
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,637.29	429.50
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,356.19	429.50
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,220.20	429.50

27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,211.87	429.50
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,091.69	429.50
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,023.67	429.50
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,137.18	429.50
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,376.97	429.50
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,350.52	429.50
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,184.29	429.50
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,466.85	429.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,748.63	429.50
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,113.92	429.50
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,057.78	429.50

27 15 23 Communications Optical Fiber Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001 Indoor Fiber Optic Cable *(27 15 23)*

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Excludes conduit or innerduct.

27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,152.10	483.51
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,256.46	483.51
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,291.30	483.51
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,415.39	483.51
		For Aluminum Armored Cable, Add	*780.65*	
		For Steel Armored Cable, Add	*1,585.79*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,450.96	483.51
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,666.02	483.51
		For Aluminum Armored Cable, Add	*802.44*	
		For Steel Armored Cable, Add	*1,643.78*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,841.21	564.09
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,989.97	564.09
		For Aluminum Armored Cable With Sub-Units, Add	*1,971.48*	
		For Steel Armored Cable, Add	*2,047.50*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,863.03	564.09
		For Aluminum Armored Cable With Sub-Units, Add	*2,078.31*	
		For Steel Armored Cable, Add	*1,764.27*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,032.36	564.09
		For Aluminum Armored Cable With Sub-Units, Add	*2,180.56*	
		For Steel Armored Cable, Add	*1,849.20*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,100.17	564.09
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,384.13	564.09
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,877.80	564.09
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,579.76	644.68
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,616.61	644.68

27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,182.15	483.51
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,284.11	483.51
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,568.09	483.51
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,867.01	483.51
		For Aluminum Armored Cable, Add	*1,070.74*	
		For Steel Armored Cable, Add	*1,397.01*	
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,150.98	483.51
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,733.87	483.51
		For Aluminum Armored Cable, Add	*1,086.50*	
		For Steel Armored Cable, Add	*1,511.64*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,017.64	564.09
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,125.03	564.09
		For Aluminum Armored Cable With Sub-Units, Add	*960.65*	
		For Steel Armored Cable, Add	*960.65*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,217.47	564.09
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,309.91	564.09
		For Aluminum Armored Cable With Sub-Units, Add	*1,714.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,402.35	564.09
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,494.79	564.09
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,694.62	564.09
		For Aluminum Armored Cable With Sub-Units, Add	*7,383.32*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,013.81	644.68
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	26,198.69	644.68

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,200.97	483.51
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,308.03	483.51
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,606.20	483.51
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,920.06	483.51
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,218.24	483.51
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,830.28	483.51
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,121.52	564.09
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,334.27	564.09
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,531.34	564.09
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,728.40	564.09
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,925.46	564.09
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,122.52	564.09
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,532.34	564.09
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	23,060.77	644.68
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	27,454.90	644.68

27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,119.30	483.51
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,508.48	483.51
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,364.68	483.51
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,773.29	483.51
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,556.99	483.51
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,923.74	564.09
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,717.20	564.09
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,274.89	564.09
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,047.79	564.09

27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,424.93	483.51
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,935.42	483.51
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,777.10	483.51
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,028.08	483.51
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,547.58	483.51
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,405.79	564.09
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,280.59	564.09
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,562.38	564.09
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,065.50	564.09

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0074			**62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0053)*		
27 15 23 00-0075		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,505.88	483.51
27 15 23 00-0076		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,041.90	483.51
27 15 23 00-0077		MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,925.67	483.51
27 15 23 00-0078		MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,239.20	483.51
27 15 23 00-0079		MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,784.66	483.51
27 15 23 00-0080		MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,729.07	564.09
27 15 23 00-0081		MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,697.61	564.09
27 15 23 00-0082		MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,043.50	564.09
27 15 23 00-0083		MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,821.77	564.09
27 15 23 00-0084			**Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0002)*		
27 15 23 00-0085			**Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0084)*		
27 15 23 00-0086			**Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0085)*		
27 15 23 00-0087		MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,123.24	483.51
27 15 23 00-0088		MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,128.03	483.51
27 15 23 00-0089		MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,379.48	483.51
27 15 23 00-0090		MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,408.90	483.51
			For Aluminum Armored Cable, Add	*927.80*	
			For Steel Armored Cable, Add	*5,356.58*	
27 15 23 00-0091		MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,557.01	483.51
27 15 23 00-0092		MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,584.72	483.51
			For Aluminum Armored Cable, Add	*965.19*	
			For Steel Armored Cable, Add	*5,746.49*	
27 15 23 00-0093		MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,479.35	564.09
27 15 23 00-0094		MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,431.55	564.09
			For Aluminum Armored Cable With Sub-Units, Add	*949.95*	
			For Steel Armored Cable, Add	*5,969.65*	
27 15 23 00-0095		MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,951.91	564.09
27 15 23 00-0096		MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,129.45	564.09
			For Aluminum Armored Cable With Sub-Units, Add	*1,456.47*	
			For Steel Armored Cable, Add	*7,422.83*	
27 15 23 00-0097		MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,574.25	564.09
27 15 23 00-0098		MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,116.85	564.09
27 15 23 00-0099		MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,322.67	564.09
27 15 23 00-0100			**50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0085)*		
27 15 23 00-0101		MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,180.13	483.51
27 15 23 00-0102		MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,572.93	483.51
27 15 23 00-0103		MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,042.85	483.51
27 15 23 00-0104		MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,522.19	483.51
			For Aluminum Armored Cable, Add	*418.64*	
			For Steel Armored Cable, Add	*817.09*	
27 15 23 00-0105		MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,981.50	483.51
27 15 23 00-0106		MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,380.56	483.51
			For Aluminum Armored Cable, Add	*412.66*	
			For Steel Armored Cable, Add	*864.94*	
27 15 23 00-0107		MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,300.34	564.09
27 15 23 00-0108		MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,708.87	564.09
			For Aluminum Armored Cable With Sub-Units, Add	*2,010.79*	
			For Steel Armored Cable, Add	*4,689.76*	
27 15 23 00-0109		MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,093.23	564.09
27 15 23 00-0110		MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,477.59	564.09
			For Aluminum Armored Cable With Sub-Units, Add	*5,970.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,861.95	564.09
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,246.31	564.09
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	28,039.20	564.09
		For Aluminum Armored Cable With Sub-Units, Add	*11,941.96*	

27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,198.85	483.51
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,611.28	483.51
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,104.70	483.51
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,608.01	483.51
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,090.28	483.51
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,509.30	483.51
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,468.35	564.09
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,047.31	564.09
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,600.88	564.09
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,154.46	564.09
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,708.04	564.09
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,261.62	564.09
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	29,394.16	564.09

27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,309.52	483.51
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,783.04	483.51
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,921.38	483.51
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,036.99	483.51
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,817.48	483.51
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,136.55	564.09
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,039.56	564.09
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,393.60	564.09
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	24,186.96	564.09

27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,141.91	483.51
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,408.16	483.51
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,668.39	483.51
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,820.32	483.51
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,607.34	483.51
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,879.68	564.09
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,643.76	564.09
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,562.89	564.09
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	32,849.83	564.09

27 15 23 00-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,358.71	483.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,688.28	483.51
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,061.51	483.51
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,271.05	483.51
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,147.41	483.51
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,626.66	564.09
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,528.94	564.09
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,544.02	564.09
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	34,445.31	564.09

27 15 23 00-0159 Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*

Note: For non-conduit installations such as cable trays, surface runways, etc.

27 15 23 00-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*

27 15 23 00-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,420.72	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,525.08	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,559.92	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,684.01	644.68
		For Aluminum Armored Cable, Add	*780.65*	
		For Steel Armored Cable, Add	*1,585.79*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,719.58	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,934.64	644.68
		For Aluminum Armored Cable, Add	*802.44*	
		For Steel Armored Cable, Add	*1,643.78*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,109.82	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,258.58	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*1,971.48*	
		For Steel Armored Cable, Add	*2,047.50*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,131.64	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*2,078.31*	
		For Steel Armored Cable, Add	*1,764.27*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,300.97	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*2,180.56*	
		For Steel Armored Cable, Add	*1,849.20*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,368.78	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,652.74	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,146.41	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,848.37	805.84
		For Work In Restricted Working Space, Add	*402.92*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,885.22	805.84
		For Work In Restricted Working Space, Add	*402.92*	

27 15 23 00-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,450.77	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,552.73	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,836.71	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,135.63	644.68
		For Aluminum Armored Cable, Add	*1,070.74*	
		For Steel Armored Cable, Add	*1,397.01*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,419.60	644.68
		For Work In Restricted Working Space, Add	*322.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,002.49	644.68
		For Aluminum Armored Cable, Add	*1,086.50*	
		For Steel Armored Cable, Add	*1,511.64*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,286.25	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,393.64	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*960.65*	
		For Steel Armored Cable, Add	*960.65*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,486.08	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,578.52	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*1,714.31*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,670.96	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,763.40	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,963.23	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*7,383.32*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,282.42	805.84
		For Work In Restricted Working Space, Add	*402.92*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,467.30	805.84
		For Work In Restricted Working Space, Add	*402.92*	

27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,469.59	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,576.65	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,874.82	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,188.68	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,486.86	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,098.90	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,390.13	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,602.88	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,799.95	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,997.01	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,194.07	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,391.13	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,800.95	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,329.38	805.84
		For Work In Restricted Working Space, Add	*402.92*	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	27,723.51	805.84
		For Work In Restricted Working Space, Add	*402.92*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,387.92	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,777.10	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,633.30	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,041.91	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,825.61	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,192.35	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,985.81	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,543.50	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,316.40	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0221		50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*		
27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,693.55	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,204.04	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,045.72	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,296.70	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,816.20	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,674.40	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,549.20	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,830.99	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,334.11	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0231		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*		
27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,774.50	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,310.52	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,194.29	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,507.82	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,053.28	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,997.68	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,966.22	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,312.11	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,090.38	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0241		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0242		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*		
27 15 23 00-0243		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		
27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,391.86	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,396.65	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,648.10	644.68
		For Work In Restricted Working Space, Add	*322.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,677.52	644.68
		For Aluminum Armored Cable, Add	*927.80*	
		For Steel Armored Cable, Add	*5,356.58*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,825.63	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,853.34	644.68
		For Aluminum Armored Cable, Add	*965.19*	
		For Steel Armored Cable, Add	*5,746.49*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,747.96	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,700.16	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*949.95*	
		For Steel Armored Cable, Add	*5,969.65*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,220.52	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,398.06	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*1,456.47*	
		For Steel Armored Cable, Add	*7,422.83*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,842.86	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,385.46	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,591.28	725.26
		For Work In Restricted Working Space, Add	*362.63*	

27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,448.75	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,841.55	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,311.47	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,790.81	644.68
		For Aluminum Armored Cable, Add	*418.64*	
		For Steel Armored Cable, Add	*817.09*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,250.12	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,649.18	644.68
		For Aluminum Armored Cable, Add	*412.66*	
		For Steel Armored Cable, Add	*864.94*	
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,568.95	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,977.48	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*2,010.79*	
		For Steel Armored Cable, Add	*4,689.76*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,361.84	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,746.20	725.26
		For Aluminum Armored Cable With Sub-Units, Add	*5,970.98*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,130.56	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,514.92	725.26
		For Work In Restricted Working Space, Add	*362.63*	
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,307.81	725.26
		For Work In Restricted Working Space, Add	*362.63*	
		For Aluminum Armored Cable With Sub-Units, Add	*11,941.96*	
		For Work In Restricted Working Space, Add	*362.63*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,467.47	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,879.90	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,373.32	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,876.63	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,358.90	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,777.92	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,736.96	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,315.92	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,869.49	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,423.07	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,976.65	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,530.23	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	29,662.77	725.26
		For Work In Restricted Working Space, Add	*362.63*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,578.14	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,051.66	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,190.00	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,305.61	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,086.10	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,405.16	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,308.17	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,662.21	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	24,455.57	725.26
		For Work In Restricted Working Space, Add	*362.63*	

27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,410.53	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,676.78	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,937.01	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,088.94	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,875.96	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,148.29	725.26
		For Work In Restricted Working Space, Add	*362.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,912.37	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,831.50	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	33,118.44	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0306		**62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0285)*		
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,627.33	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,956.90	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,330.13	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,539.67	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,416.03	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,895.27	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,797.55	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,812.63	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	34,713.92	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0316		**Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0001)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0316)*		
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,653.93	483.51
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,800.93	483.51
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,467.02	564.09
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,194.52	564.09
27 15 23 00-0322		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0316)*		
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,971.24	483.51
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,845.58	483.51
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	7,675.77	564.09
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	13,240.40	564.09
27 15 23 00-0327		**Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0001)*		
		Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0327)*		
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,922.55	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,069.55	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,735.63	725.26
		For Work In Restricted Working Space, Add	*362.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	10,463.13	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0333		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0327)*		
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,239.86	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,114.20	644.68
		For Work In Restricted Working Space, Add	*322.34*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	7,944.38	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	13,509.01	725.26
		For Work In Restricted Working Space, Add	*362.63*	
27 15 23 00-0338		**Outdoor Fiber Optic Cable** *(27 15 23)*		
		Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339		**Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0338)*		
		Note: Excludes conduit or innerduct.		
27 15 23 00-0340		**Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0339)*		
27 15 23 00-0341		**Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0340)*		
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,233.14	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.56*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,270.93	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.07*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,308.77	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*308.50*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,346.59	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*311.46*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,421.74	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.83*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,575.45	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*314.00*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,654.47	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*247.19*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,678.84	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*288.93*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,131.05	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*317.87*	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,380.36	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*317.84*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,703.82	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.66*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,273.27	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.67*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,895.48	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*437.96*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,546.67	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.17*	
27 15 23 00-0356		**50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0340)*		
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,994.44	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,072.93	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,237.36	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,461.59	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,555.02	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,872.69	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,545.38	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,535.74	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,638.21	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,404.34	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,394.70	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,693.08	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,972.77	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	15,252.46	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	
27 15 23 00-0371		**62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0340)*		
27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,970.91	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*129.82*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,095.72	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*139.21*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,220.33	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.38*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,374.28	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.92*	
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,594.75	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.15*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,984.53	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*187.73*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,353.76	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*215.89*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,060.42	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.91*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,886.95	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.84*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,650.36	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.82*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,456.11	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*335.96*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,085.75	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*377.74*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,741.56	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*428.69*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,422.93	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*393.78*	
27 15 23 00-0386		**Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0339)*		
27 15 23 00-0387		**Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0386)*		
27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,449.56	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.89*	
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,523.25	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*344.31*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,545.37	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*329.97*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,633.65	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.69*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,661.20	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*328.30*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,784.92	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*311.37*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,895.85	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*315.06*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,072.81	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*399.53*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,322.12	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*404.75*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,570.46	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*419.32*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,907.16	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.69*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,451.77	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*470.39*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,164.27	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*463.18*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,747.33	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*369.99*	
27 15 23 00-0402		**50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0386)*		
27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,698.00	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.48*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,956.00	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,295.48	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*40.74*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,458.42	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*67.90*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,621.37	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*67.90*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,001.58	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*81.47*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,341.06	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*312.32*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,074.32	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*611.06*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,807.59	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,018.42*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,418.65	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,120.27*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,219.81	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,425.80*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,890.02	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*2,104.74*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,731.92	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,588.74*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,890.98	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,870.02*	

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,055.19	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*162.94*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,177.40	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.14*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,299.41	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*189.33*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,421.62	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*202.50*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,738.19	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*217.81*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,048.63	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.23*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,429.01	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.23*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,165.28	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*342.53*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,915.31	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*392.45*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,667.93	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*437.01*	
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,459.30	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*487.33*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,065.18	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*574.63*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,137.93	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*594.03*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,352.64	967.01
		For Corrugated Coated Steel Tape Armored Cable, Add	*613.23*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,098.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.56*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,136.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.07*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,174.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*308.50*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,212.28	
		For Corrugated Coated Steel Tape Armored Cable, Add	*311.46*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,287.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.83*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,441.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*314.00*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,520.16	
		For Corrugated Coated Steel Tape Armored Cable, Add	*247.19*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,544.53	
		For Corrugated Coated Steel Tape Armored Cable, Add	*288.93*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,996.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*317.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,563.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*317.84*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,945.18	
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.66*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,138.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.67*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,761.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*437.96*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,412.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.17*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,860.13	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,938.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,103.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,327.28	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,420.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,738.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,411.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,401.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,503.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,270.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,260.39	
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,558.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,838.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	15,118.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,836.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*129.82*	
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,961.41	
		For Corrugated Coated Steel Tape Armored Cable, Add	*139.21*	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,086.02	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.38*	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,239.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.92*	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,460.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.15*	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,850.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*187.73*	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,219.45	
		For Corrugated Coated Steel Tape Armored Cable, Add	*215.89*	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,926.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.91*	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,752.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.84*	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,516.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.82*	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,321.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*335.96*	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,951.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*377.74*	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,607.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*428.69*	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,288.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*393.78*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,315.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,388.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*344.31*	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,411.06	
		For Corrugated Coated Steel Tape Armored Cable, Add	*329.97*	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,499.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.69*	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,526.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*328.30*	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,650.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*311.37*	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,761.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*315.06*	
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,938.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*399.53*	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,187.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*404.75*	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,436.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*419.32*	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,772.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.69*	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,317.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*470.39*	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,029.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*463.18*	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,613.02	
		For Corrugated Coated Steel Tape Armored Cable, Add	*369.99*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,563.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.48*	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,821.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.11*	
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,161.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*40.74*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,324.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*67.90*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,487.06	
		For Corrugated Coated Steel Tape Armored Cable, Add	*67.90*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,867.27	
		For Corrugated Coated Steel Tape Armored Cable, Add	*81.47*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,206.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*312.32*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,940.01	
		For Corrugated Coated Steel Tape Armored Cable, Add	*611.06*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,673.28	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,018.42*	
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,284.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,120.27*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,085.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,425.80*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,755.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*2,104.74*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,597.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,588.74*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,756.67	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,870.02*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,920.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*162.94*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,043.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.14*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,165.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*189.33*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,287.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*202.50*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,603.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*217.81*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,914.32	
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.23*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,294.70	
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.23*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,030.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*342.53*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,781.00	
		For Corrugated Coated Steel Tape Armored Cable, Add	*392.45*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,533.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*437.01*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0521		MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,324.99	
			For Corrugated Coated Steel Tape Armored Cable, Add	*487.33*	
27 15 23 00-0522		MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,930.87	
			For Corrugated Coated Steel Tape Armored Cable, Add	*574.63*	
27 15 23 00-0523		MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,641.79	
			For Corrugated Coated Steel Tape Armored Cable, Add	*594.03*	
27 15 23 00-0524		MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,218.33	
			For Corrugated Coated Steel Tape Armored Cable, Add	*613.23*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528		MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,286.44	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*203.03*	
27 15 23 00-0529		MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,323.99	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*208.29*	
27 15 23 00-0530		MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,362.03	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*213.41*	
27 15 23 00-0531		MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,399.59	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*209.32*	
27 15 23 00-0532		MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,474.73	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*244.03*	
27 15 23 00-0533		MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,623.09	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*253.70*	
27 15 23 00-0534		MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,736.24	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*280.41*	
27 15 23 00-0535		MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,005.27	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*268.86*	
27 15 23 00-0536		MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,240.54	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*312.36*	
27 15 23 00-0537		MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,435.03	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*299.53*	
27 15 23 00-0538		MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,677.65	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*342.45*	
27 15 23 00-0539		MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,314.41	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*347.81*	
27 15 23 00-0540		MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,997.58	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*415.03*	
27 15 23 00-0541		MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	13,161.36	3,530.88
			For Corrugated Coated Steel Tape Armored Cable, Add	*445.65*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0544		MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,234.79	805.84
27 15 23 00-0545		MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,334.16	805.84
27 15 23 00-0546		MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,783.17	805.84

27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0548		MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,636.98	805.84
27 15 23 00-0549		MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,261.74	805.84
27 15 23 00-0550		MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,994.60	805.84

27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes trenching.

27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0553		MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,100.48	738.69
27 15 23 00-0554		MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,199.85	738.69
27 15 23 00-0555		MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,648.86	738.69

27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0557		MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,502.67	738.69
27 15 23 00-0558		MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,127.43	738.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	8,860.29	738.69

27 15 23 00-0560 Network Communications Cabling And Related Products *(27 15 23)*

27 15 23 00-0561	EA	AC Surge Suppression Assembly Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.	522.49	16.78
27 15 23 00-0562	EA	Single Mode Fiber Optic To Ethernet Media Converter Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.	881.21	20.15
27 15 23 00-0563	EA	6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends Note: Includes testing.	46.69	2.15
27 15 23 00-0564	EA	KVM (Keyboard, Video, Mouse) Cable Note: Raritan CCP40. Includes testing.	106.50	2.69
27 15 23 00-0565	EA	6' Long USB (Universal Serial Bus) Cable Note: Includes testing.	15.92	2.15
27 15 23 00-0566	EA	10' Long USB (Universal Serial Bus) Cable Note: Includes testing.	18.87	2.69
27 15 23 00-0567	EA	6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	20.61	2.15
27 15 23 00-0568	EA	10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	23.57	2.69
27 15 23 00-0569	EA	6' Long Single Mode Patch Cord With SC Connectors At Both Ends Note: Includes testing.	34.37	2.15
27 15 23 00-0570	EA	20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends Note: Includes testing.	74.69	2.69
27 15 23 00-0571	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	59.35	2.15
27 15 23 00-0572	EA	20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	74.69	2.69
27 15 23 00-0573	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other Note: Includes testing.	111.26	2.15
27 15 23 00-0574	EA	6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other Note: Includes testing.	111.26	2.15
27 15 23 00-0575	LF	6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 006ESF-T41O1D20. Includes testing.	1.14	
27 15 23 00-0576	LF	12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 012ESF-T41O1D20. Includes testing.	8.15	
27 15 23 00-0577	LF	24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 024EW4-T4101D20. Includes testing.	9.96	
27 15 23 00-0578	LF	72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 072EW4-T4101D20. Includes testing.	16.35	
27 15 23 00-0579	LF	144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 144EW4-T4101D20. Includes testing.	25.57	
27 15 23 00-0580	LF	36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 036E81-61131-24. Includes testing.	16.34	
27 15 23 00-0581	LF	72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 072E81-T3131-24. Includes testing.	25.49	
27 15 23 00-0582	EA	Aerial Storage Unit Note: Alcola part no. FSU-16. Includes testing.	139.55	13.43
27 15 23 00-0583	EA	Spider Fan-Out Kits With SC Connectors Note: Corning part no. SFK–P–12–900–S.	170.42	13.43
27 15 23 00-0584	LF	Ultraviolet Resistant Rated Category 6 Cable Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	1.54	0.24
27 15 23 00-0585	LF	RG11 Coaxial Cable NEC CMR Note: Corning part no. SFK–P–12–900–S.	5.43	2.52
27 15 23 00-0586	LF	Outdoor Rated UL Type CL2 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	5.49	
27 15 23 00-0587	LF	Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	7.96	2.52

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial Distribution Cable *(27 15 33 00-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.

27 15 33 00-0003	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,290.69	392.68
27 15 33 00-0004	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,892.27	392.68
27 15 33 00-0005	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,651.88	414.76
27 15 33 00-0006	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,455.47	414.76
27 15 33 00-0007	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	7,437.72	490.85
27 15 33 00-0008	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,925.72	490.85
27 15 33 00-0009	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	23,886.76	687.19
27 15 33 00-0010	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	2,390.31	343.59
27 15 33 00-0011	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,747.70	343.59
27 15 33 00-0012	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,377.27	343.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0013	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	8,348.52	687.19
27 15 33 00-0014	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	4,060.02	343.59
27 15 33 00-0015	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	10,221.74	687.19
27 15 33 00-0016	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,262.36	490.85
27 15 33 00-0017		Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*		
27 15 33 00-0018		Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0017)*		
27 15 33 00-0019	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,940.85	564.09
27 15 33 00-0020	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,795.17	564.09
27 15 33 00-0021	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	1,556.34	644.68
27 15 33 00-0022	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	6,053.87	644.68
27 15 33 00-0023		Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0017)*		
27 15 33 00-0024	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	2,881.00	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 33 00-0025	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	5,735.32	1,128.17
		For Work In Restricted Working Space, Add	*564.09*	
27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	2,630.79	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	7,128.32	1,289.35
		For Work In Restricted Working Space, Add	*644.67*	
27 15 33 00-0028		Outdoor Coaxial Cable *(27 15 33)*		
27 15 33 00-0029		Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)*		
		Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	8,567.11	1,837.24
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	5,269.26	1,292.28
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,777.01	762.41
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	2,273.51	762.41
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	3,345.70	1,191.28
27 15 43		**Communications Faceplates and Connectors** *(27 15)*		
27 15 43 00-0001		Plastic Communications Faceplates *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	11.02	3.36
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	18.02	3.36
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	18.02	3.36
27 15 43 00-0012		Stainless Steel Communications Faceplates *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0013		Stainless Steel Communications Faceplates *(27 15 43 00-0012)*		
27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	21.43	3.36
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	21.43	3.36
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	21.43	3.36
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	22.95	3.36
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	22.95	3.36
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	31.17	3.36
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	32.12	3.36
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	37.28	3.36
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	37.28	3.36
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	37.28	3.36
27 15 43 00-0024		Stainless Steel Communications Faceplates With Station ID *(27 15 43 00-0012)*		
27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.97	3.36
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	67.45	3.36
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	67.45	3.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0035		**Snap-In Modular Jacks** *(27 15 43)*		
		Note: Includes termination.		
27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack	37.79	13.45
27 15 43 00-0037	EA	Category 5E, Snap-In Modular Jack	39.89	13.45
27 15 43 00-0038	EA	Category 5E Shielded, Snap-In Modular Jack	46.19	13.45
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack	46.19	13.45
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack	53.26	13.45
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack	54.32	13.45
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack	26.41	6.72
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack	42.56	13.45
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack	47.91	13.45
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack	58.41	13.45
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack	7.71	3.36
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	9.00	3.36
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	31.83	10.09
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*2.04*	
27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	32.21	10.09
		Note: Includes female to female connection.		
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack	62.79	13.45
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	78.26	13.45
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	39.31	13.45
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	43.01	6.72
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack	45.62	13.45
27 15 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	51.35	13.45
27 15 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack	67.90	20.18
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	77.70	13.45
27 15 43 00-0058		**Surface Mount Plastic Communication Boxes** *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	39.07	16.81
27 15 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	40.03	16.81
27 15 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	46.62	16.81
27 15 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	54.45	16.81
27 15 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	62.66	16.81
27 15 43 00-0064		**Wall Mounted Telephone Faceplates** *(27 15 43)*		
		Note: Includes standard telephone mounting studs.		
27 15 43 00-0065		**Plastic Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		
27 15 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	42.64	16.78
27 15 43 00-0067		**Stainless Steel Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		
27 15 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	40.17	6.71
		Note: Requires one snap-in modular jack.		
27 15 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	69.69	16.78
27 15 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	81.09	20.15
27 15 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	38.60	6.71
		Note: Requires one snap-in modular jack.		
27 15 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	63.10	16.78
27 15 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	74.67	20.15
27 15 53		**Communications Cable Innerduct** *(27 15)*		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001		**Indoor Innerduct** *(27 15 53)*		
27 15 53 00-0002		**Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0001)*		
27 15 53 00-0003		**Riser Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	5,263.17	2,014.60
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	6,816.27	2,686.14
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	9,052.00	3,357.67
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	10,578.85	4,029.21
27 15 53 00-0008		**Plenum Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,708.09	1,343.07
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,637.51	2,014.60
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	10,921.84	2,686.14
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	14,029.81	3,357.67
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	16,882.83	4,029.21
27 15 53 00-0014		**Indoor Innerduct, Installed Exposed** *(27 15 53 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0015		**Riser Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	6,606.23	2,686.14
		For Work In Restricted Working Space, Add	*1,611.68*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	8,159.35	3,357.67
		For Work In Restricted Working Space, Add	*2,014.61*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	10,395.07	4,029.21
		For Work In Restricted Working Space, Add	*2,417.53*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	11,921.91	4,700.74
		For Work In Restricted Working Space, Add	*2,820.44*	
27 15 53 00-0020		**Plenum Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	9,051.16	2,014.60
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	9,980.57	2,686.14
		For Work In Restricted Working Space, Add	*1,611.68*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	12,264.92	3,357.67
		For Work In Restricted Working Space, Add	*2,014.61*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	15,372.88	4,029.21
		For Work In Restricted Working Space, Add	*2,417.53*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	18,225.89	4,700.74
		For Work In Restricted Working Space, Add	*2,820.44*	
27 15 53 00-0026		**Outdoor Innerduct** *(27 15 53)*		
27 15 53 00-0027		**Outdoor Innerduct, Installed In Conduit** *(27 15 53 00-0026)*		
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	4,948.12	2,014.60
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	6,351.68	2,686.14
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	8,112.61	3,357.67
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	9,689.87	4,029.21
27 15 53 00-0032		**Outdoor Innerduct, Buried In Trench** *(27 15 53 00-0026)*		
27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	3,605.05	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	5,008.62	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	6,769.53	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	8,346.80	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001		**Fiber Optic Receivers** *(27 16 16)*		
27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	1,158.26	67.15
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain	1,179.37	132.27
		Note: With video presence Ind, RM.		
27 16 16 00-0004		**Fiber Optic Transmitters** *(27 16 16)*		
27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles	1,158.25	67.15
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator	1,179.37	132.27
27 16 16 00-0007		**Fiber Optic Repeaters** *(27 16 16)*		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,292.56	134.31
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	2,013.97	268.62
27 16 16 00-0010		**Fiber Optic Transceivers** *(27 16 16)*		
27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,319.40	268.62
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,319.40	268.62
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver	1,739.19	402.92
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional)	644.77	100.73

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire *(27 16)*

27 16 19 00-0001		**Fiber Optic Patch Cords** *(27 16 19)*		
27 16 19 00-0002		**Simplex Fiber Optic Patch Cables** *(27 16 19 00-0001)*		
27 16 19 00-0003		**Singlemode, Simplex Fiber Optic Patch Cables** *(27 16 19 00-0002)*		
27 16 19 00-0004	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	58.46	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0005	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	47.58	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0006	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	61.72	
		For Each Additional Meter In Length, Add	*0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0007	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	50.07	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0008	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	58.01	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	57.13	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010		Duplex Fiber Optic Patch Cables *(27 16 19 00-0001)*		
27 16 19 00-0011		Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*		
27 16 19 00-0012	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	102.18	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0013	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	99.12	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0014	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	110.01	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0015	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	85.43	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0016	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	101.28	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	99.54	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018		Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*		
27 16 19 00-0019	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	77.04	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0020	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.15	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0021	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.88	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0022	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	87.16	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0023	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	77.34	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	87.56	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	102.98	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	70.79	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	86.23	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028		Fiber Optic Cable Pig Tail *(27 16 19)*		
27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail	92.08	47.00
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail	117.88	47.00
27 16 19 00-0031		Ethernet Patch Cords *(27 16 19)*		
27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots	16.46	
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots	17.90	
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots	19.36	
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots	28.22	
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots	35.50	
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots	46.50	
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	18.18	
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	21.84	
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	21.92	
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots	26.47	
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots	34.95	
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots	43.53	
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots	67.64	
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots	117.67	
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots	21.09	
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots	22.28	
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots	23.17	
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots	27.87	
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots	34.48	
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots	42.13	
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots	59.31	
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots	103.01	
27 16 19 00-0054	EA	3' Category 5E Patch Cables With Plastic Arch	16.46	
27 16 19 00-0055	EA	5' Category 5E Patch Cables With Plastic Arch	17.90	
27 16 19 00-0056	EA	7' Category 5E Patch Cables With Plastic Arch	19.36	
27 16 19 00-0057	EA	10' Category 5E Patch Cables With Plastic Arch	28.22	
27 16 19 00-0058	EA	15' Category 5E Patch Cables With Plastic Arch	35.50	
27 16 19 00-0059	EA	25' Category 5E Patch Cables With Plastic Arch	46.50	
27 16 19 00-0060	EA	3' Category 6 Patch Cables With Plastic Arch	18.18	
27 16 19 00-0061	EA	5' Category 6 Patch Cables With Plastic Arch	21.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0062	EA	7' Category 6 Patch Cables With Plastic Arch	21.92	
27 16 19 00-0063	EA	10' Category 6 Patch Cables With Plastic Arch	26.47	
27 16 19 00-0064	EA	15' Category 6 Patch Cables With Plastic Arch	34.95	
27 16 19 00-0065	EA	25' Category 6 Patch Cables With Plastic Arch	43.53	
27 16 19 00-0066	EA	3' Category 6A Patch Cables With Plastic Arch	33.09	
27 16 19 00-0067	EA	5' Category 6A Patch Cables With Plastic Arch	35.27	
27 16 19 00-0068	EA	7' Category 6A Patch Cables With Plastic Arch	36.90	
27 16 19 00-0069	EA	10' Category 6A Patch Cables With Plastic Arch	42.71	
27 16 19 00-0070	EA	15' Category 6A Patch Cables With Plastic Arch	52.03	
27 16 19 00-0071	EA	25' Category 6A Patch Cables With Plastic Arch	66.07	
27 16 19 00-0072		Cross Connect Wire *(27 16 19)*		
		Note: Up to 20' length.		
27 16 19 00-0073	EA	2-Pair Cross Connect Wire	21.38	
27 16 19 00-0074	EA	3-Pair Cross Connect Wire	28.61	
27 16 19 00-0075	EA	4-Pair Cross Connect Wire	35.79	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001		Fiber Optic Modems *(27 21 16)*		
27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	2,243.78	268.62
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	4,376.99	268.62
27 21 16 00-0004		Ethernet Hubs and Switches *(27 21 16)*		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,261.25	201.76
27 21 16 00-0006	EA	16 Port Unmanaged Hub	711.72	134.51
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	5,858.94	134.51
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,736.78	67.25
27 21 16 00-0009		Network Equipment *(27 21 16)*		
27 21 16 00-0010		Communications Entrance Protection *(27 21 16 00-0009)*		
27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	1,217.63	100.88
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.69	1.34
27 21 16 00-0013		Communications Cabinets, Racks, Frames And Enclosures *(27 21 16 00-0009)*		
27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736) *For Fan Kit (Chatsworth 12804-701), Add*	1,477.75 *204.97*	100.88
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	1,345.52	6.72
27 21 16 00-0016		Communications Termination Blocks And Patch Panels *(27 21 16 00-0009)*		
27 21 16 00-0017		Communications Termination Blocks *(27 21 16 00-0016)*		
27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	329.48	20.15
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	307.09	20.15
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	726.86	20.15
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	676.49	20.15
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535593)	107.83	20.15
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107535585)	115.96	20.15
27 21 16 00-0024	EA	110 Connector System Mounting Brackets (CommScope 107098816)	131.19	20.15
27 21 16 00-0025		Communications Copper Patch Panels *(27 21 16 00-0016)* Note: Excludes cabinet and terminations.		
27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	333.33	43.71
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	599.39	53.81
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	486.73	43.71
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	899.83	53.81
27 21 16 00-0030		Communications Optical Fiber Patch Panels *(27 21 16 00-0016)*		
27 21 16 00-0031		Closet Connector Housings *(27 21 16 00-0030)*		
27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	397.33	26.90
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	462.30	26.90
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	574.32	26.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	100.98	13.45
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	134.12	13.45
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	112.68	13.45
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	144.83	13.45
27 21 16 00-0039		Communications Cable Management *(27 21 16 00-0009)*		
27 21 16 00-0040		Horizontal Communication Cable Management *(27 21 16 00-0039)*		
27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	168.30	26.90
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	174.23	26.90
27 21 16 00-0043		Vertical Communication Cable Management *(27 21 16 00-0039)*		
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	1,035.09	67.25
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,073.46	67.25
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,159.87	67.25
27 21 16 00-0047		Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 21 16 00-0009)*		
27 21 16 00-0048		Premise Cross-Connect Wire *(27 21 16 00-0047)*		
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.37	0.67
27 21 16 00-0050		Pathways For Communications Systems *(27 21 16 00-0009)*		
27 21 16 00-0051		Conduits And Back Boxes For Communication Systems *(27 21 16 00-0050)*		
27 21 16 00-0052		Flexible Conduit For Communication Systems *(27 21 16 00-0051)*		
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	592.88	241.75
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	903.19	241.75
27 21 16 00-0055		Tube Cables For Communication Systems *(27 21 16 00-0051)*		
27 21 16 00-0056		Outdoor/All-Dielectric Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	409.82	161.17
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	592.38	201.46
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	939.22	241.75
27 21 16 00-0060		Indoor/Riser Rated Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	458.70	161.17
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	553.37	181.31
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	626.32	201.46
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	1,092.65	241.75
27 21 16 00-0065		Indoor/Plenum Rated Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	356.87	161.17
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	481.78	161.17
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	710.87	181.31
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	1,005.13	201.46
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,945.95	241.75
27 21 16 00-0071		Unjacketed Single Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	318.86	161.17
27 21 16 00-0073		Multimode Fiber Bundles *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	126.74	48.35
27 21 16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	179.69	48.35
27 21 16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	236.72	48.35
27 21 16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	410.51	48.35
27 21 16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	588.23	56.41
27 21 16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	762.02	56.41
27 21 16 00-0080		Singlemode Fiber Bundles *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	115.88	48.35
27 21 16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	138.96	48.35
27 21 16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	157.97	48.35
27 21 16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	194.63	48.35
27 21 16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	289.53	56.41
27 21 16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	372.35	56.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0087		**Tube Distribution Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	240.10	67.25
27 21 16 00-0089		**Modular Fiber Termination Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	293.34	67.25
27 21 16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	310.17	67.25
27 21 16 00-0092		**Tube Distribution Accessories** *(27 21 16 00-0055)*		
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	15.34	6.72
27 21 16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	16.52	6.72
27 21 16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	19.56	6.72
27 21 16 00-0096		**Communications Optical Fiber Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0097		**Communications Optical Fiber Cable Splicing And Terminations** *(27 21 16 00-0096)*		
27 21 16 00-0098		**Field Installed Fiber Connectors** *(27 21 16 00-0097)*		
27 21 16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	39.30	10.09
27 21 16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	35.40	10.09
27 21 16 00-0101		**Buffer Tube Fan-Out Kits** *(27 21 16 00-0097)*		
27 21 16 00-0102		**Buffer Tube Breakout Kits (Sumitomo)** *(27 21 16 00-0101)* Note: Includes 900 micron tubing.		
27 21 16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	284.91	134.31
27 21 16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	288.99	134.31
27 21 16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	292.58	134.31
27 21 16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	303.76	134.31
27 21 16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	319.05	134.31
27 21 16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	330.40	134.31
27 21 16 00-0109		**Buffer Tube Fan-Out Kits (Corning)** *(27 21 16 00-0101)*		
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	286.80	134.31
27 21 16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	327.14	134.31
27 21 16 00-0112		**Communications Copper Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0113		**Copper Communications Cable Splicing And Terminations** *(27 21 16 00-0112)*		
27 21 16 00-0114		**Copper Communications Cable Splice Cases** *(27 21 16 00-0113)*		
27 21 16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,294.28	268.62
27 21 16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,510.65	268.62
27 21 16 00-0117	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,229.64	268.62
27 21 16 00-0118		**Modular Splice Connectors** *(27 21 16 00-0113)*		
27 21 16 00-0119	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	144.81	67.15
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	142.47	67.15
27 21 16 00-0121	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	144.86	67.15
27 21 16 00-0122	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	144.53	67.15
27 21 26		**Data Communications Network Management** *(27 21)*		
27 21 26 00-0001		**Data Communications Network Management** *(27 21 26)*		
27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	717.84	33.58
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	552.08	33.58
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	771.07	33.58
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,210.20	33.58
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	112.30	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	534.49	20.15
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	892.56	33.58
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	5,358.60	430.41
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,855.24	430.41
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	19,835.11	161.17
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	619.48	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,470.77	161.17
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	29,188.87	161.17
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	687.37	13.45
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	5,038.88	16.78
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,369.90	16.78
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	78.66	6.72
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	256.57	67.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,891.15	161.17
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	815.08	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	26.59	6.72
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	341.69	16.78
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	848.73	16.81
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	124.69	6.72
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,587.54	161.17
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	818.34	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	726.42	16.78
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	737.83	16.78
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,589.92	161.17
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	400.43	16.81
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,875.76	16.81
27 21 26 00-0033	EA	Router (CISCO IR829)	1,683.20	67.25

27 21 29 Data Communications Switches and Hubs *(27 21)*

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels *(27 21 29)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	109.16	6.71
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	120.27	6.71
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	141.76	6.71
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	148.37	6.71
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	162.59	8.40
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	153.84	6.71
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	193.05	8.40
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	70.09	8.40

27 21 33 Data Communications Wireless Access Points *(27 21)*

27 21 33 00-0001 Data Communications Wireless Access Points *(27 21 33)*

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	5,165.31	201.46
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,383.18	201.46
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,383.18	201.46
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	2,032.72	201.46
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,377.09	222.07
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,629.56	222.07
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	10,066.67	222.07
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	10,066.67	222.07
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,066.58	74.02
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,095.44	74.02
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	196.73	37.01
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,793.22	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	646.19	67.15
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	536.56	67.15
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	96.44	26.86
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	83.52	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	48.98	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	346.13	67.15
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	348.26	67.15
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	473.26	67.25
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,190.00	100.88
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,519.96	100.88
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	86.51	20.15
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	324.86	74.02
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	1,055.81	74.02
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,179.98	67.25
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,633.52	67.15

27 30 Voice Communications *(27)*

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets *(27 32)*

27 32 13 00-0001 Interior Telephone Components *(27 32 13)*

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	8,052.66	1,227.29
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet	964.10	100.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable	492.29	107.57
27 32 13 00-0005	EA	Loud Ring Bell, 6"	387.03	99.79
27 32 13 00-0006	EA	Audio/Visual Indicator	491.55	94.02
27 32 13 00-0007	EA	Administrative Telephone With Digital Display	511.36	84.35
27 32 13 00-0008	EA	Processing Unit For 16 Station System	2,546.78	688.05
27 32 13 00-0009	EA	Handset For 16 Station System	360.98	68.50
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System	488.96	92.40
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	3,308.49	1,481.00
27 32 13 00-0012	EA	Power Supply For 16 Station System	458.54	182.80
27 32 13 00-0013	EA	Intercom Terminal Board	407.34	205.76
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	476.31	182.80
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	231.63	75.10
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	721.20	165.29
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	851.39	187.87
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	1,032.32	222.35
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,217.35	240.39
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,893.78	273.53
27 32 13 00-0021	EA	Ring Rung 3"	14.42	7.49
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	35.99	13.30
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	65.52	27.26

27 32 13 00-0024 Interior Telephone Accessories *(27 32 13)*

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	15.04	7.25
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	32.78	27.94
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	81.25	30.68
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	76.83	30.68
27 32 13 00-0029	EA	Terminating Strips, Inside	155.86	61.36
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	68.23	31.56
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	188.39	74.01
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	220.52	82.74
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	71.41	24.85
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	66.97	31.16
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	818.99	179.44
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	972.64	182.25
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	325.92	74.68
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	336.53	74.68
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	444.59	95.49
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	924.03	172.04
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,280.99	196.35
27 32 13 00-0042	EA	Gas Protection Module	19.65	6.71
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	34.37	6.13

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 Emergency Telephone *(27 32 26)*

Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,007.04	551.18
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,624.47	551.18
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	205.81	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	308.71	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	771.78	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,049.63	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,152.53	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	185.23	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,955.19	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	905.56	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,932.78	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	6,163.98	
27 32 26 00-0016	EA	Active Venting Code Blue Option	329.29	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	2,871.04	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	720.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	1,636.18	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	72.03	
27 32 26 00-0021		City Police Call System *(27 32 26)*		
27 32 26 00-0022		Components *(27 32 26 00-0021)*		
27 32 26 00-0023	EA	City Police Call System	937.38	156.60
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	842.02	226.84

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001		Television Distribution System *(27 41 16)*		
27 41 16 00-0002		Mounted Television Support *(27 41 16 00-0001)*		
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	524.21	150.64
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	675.85	168.13
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	547.05	150.64
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	698.69	168.13
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	415.27	121.05
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	566.88	134.51
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	445.25	121.05
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	596.86	134.51
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	475.24	121.05
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	626.85	134.51
27 41 16 00-0013		Distribution System *(27 41 16 00-0001)*		
27 41 16 00-0014		TV Distribution Rack *(27 41 16 00-0013)*		
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,826.53	246.99
27 41 16 00-0016	EA	Switch And Pilot Light	285.94	109.73
27 41 16 00-0017	LF	Surface Raceway With Outlets	34.27	14.91
27 41 16 00-0018	EA	Service Label	40.72	20.55
27 41 16 00-0019		Head End Amplifier *(27 41 16 00-0013)*		
27 41 16 00-0020	EA	Head End Amplifier	1,218.59	164.39
27 41 16 00-0021		UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*		
27 41 16 00-0022	EA	UHF In-Line Booster	713.37	164.39
27 41 16 00-0023		Preamplifiers *(27 41 16 00-0013)*		
27 41 16 00-0024	EA	VHF Preamplifier	891.27	164.39
27 41 16 00-0025	EA	UHF Preamplifier	713.37	164.39
27 41 16 00-0026		Power Supplies *(27 41 16 00-0013)*		
27 41 16 00-0027	EA	Common Power Supply	1,273.24	234.90
27 41 16 00-0028		Line Splitter And Mixer *(27 41 16 00-0013)*		
27 41 16 00-0029	EA	Line Splitter	110.95	54.80
27 41 16 00-0030	EA	Two-Way Splitter	125.11	54.80
27 41 16 00-0031	EA	Frequency Filter	276.70	82.33
27 41 16 00-0032	EA	Line Splitter And Mixer	338.64	120.87
27 41 16 00-0033		Power Line Filters *(27 41 16 00-0013)*		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	534.99	109.73
27 41 16 00-0035		Wall Box And Receiver Outlets *(27 41 16 00-0013)*		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	276.70	82.33
27 41 16 00-0037	EA	TV Receiver Outlet Plug	125.11	54.80
27 41 16 00-0038	EA	TV Camera Outlet Plug	125.11	54.80
27 41 16 00-0039	EA	Audio Outlet Plug	107.37	54.80
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	223.67	109.73
27 41 16 00-0041	EA	Male Plug PL-259	125.11	54.80
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	147.96	57.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 33		**Master Antenna Television Systems** *(27 41)*		
27 41 33 00-0001		Antenna Systems *(27 41 33)*		
27 41 33 00-0002		Antenna *(27 41 33 00-0001)*		
27 41 33 00-0003	EA	Amateur Radio Antenna	1,153.09	201.46
27 41 33 00-0004	EA	Multi-Band Radio Antenna	898.24	201.46
27 41 33 00-0005		Receptacles *(27 41 33 00-0001)*		
27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	258.93	82.33
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	258.93	82.33
27 50		**Distributed Communications and Monitoring Systems** *(27)*		
27 51		**Distributed Audio-Video Communications Systems** *(27 50)*		
27 51 17		**Video Intercom and Exterior Gate Control System** *(27 51)*		
27 51 17 00-0001		Video Intercom And Exterior Gate Control System *(27 51 17)*		
27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,588.88	168.13
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,281.42	168.13
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	549.79	168.13
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,504.73	84.06
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	2,047.05	84.06
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	157.69	33.63
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,081.40	33.63
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,484.98	33.63
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	484.31	33.63
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	545.52	33.63
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	148.92	16.81
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	161.75	16.81
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	1,935.81	168.13
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	66.37	6.72
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	833.04	168.13
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	774.69	33.63
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	238.06	33.63
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	265.11	33.63
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	325.79	50.44
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	73.22	16.81
27 51 43		**Sound Reinforcement** *(27 51)* Note: Includes testing of new devices and certification.		
27 51 43 00-0001		Amplifiers *(27 51 43)*		
27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	591.91	134.51
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	833.96	134.51
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	989.33	134.51
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	1,100.18	134.51
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,368.79	134.51
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,770.47	134.51
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	70.31	6.72
27 51 43 00-0009		Splitters *(27 51 43)*		
27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,522.05	100.73
27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,177.80	100.73
27 51 43 00-0012		Speakers *(27 51 43)*		
27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	233.86	35.99
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	74.00	6.71
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	82.45	6.71
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	127.75	6.71
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	119.54	12.08
27 51 43 00-0018		Accessories *(27 51 43)*		
27 51 43 00-0019	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	341.00	16.81
27 51 43 00-0020	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	764.75	16.81
27 51 43 00-0021	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	195.85	33.63
27 51 43 00-0022	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	360.69	33.63
27 51 43 00-0023	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	264.32	33.58
27 51 43 00-0024	EA	Microphone Jack For Audio/Video System	123.62	33.63
27 51 43 00-0025	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,034.51	134.51
27 51 43 00-0026	EA	Volume Control For Audio/Video System (Bogen AT10A)	118.28	33.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0027	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	83.71	33.63

27 51 43 00-0028 Removal And Reinstallation Of Speakers *(27 51 43)*

Note: Includes storage, cleaning and supply materials.

27 51 43 00-0029	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	188.03	

27 52 Healthcare Communications and Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001 Wireless Equipment Nurses Call Systems *(27 52 23)*

Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.

27 52 23 00-0002 Wireless Nurses Call System *(27 52 23 00-0001)*

27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	8,840.44	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	9,818.25	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,244.12	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	5,054.75	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,547.50	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	4,040.11	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,051.54	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	510.02	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	35.14	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	744.67	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	744.67	
27 52 23 00-0014	EA	Remote Reset Button; S35R	722.97	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	506.92	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	44.44	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	621.61	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,980.74	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,264.51	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	982.43	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	982.43	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,218.01	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	2,074.80	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	4,124.93	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,541.34	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	3,917.05	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	20,344.48	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	91.44	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	82.14	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	38.75	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	20,075.78	
27 52 23 00-0032	EA	Serial Printer; NCSP	2,081.47	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	41.34	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	78.53	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	41.34	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	8,900.39	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,254.36	

27 52 23 00-0038 Wireless Nurses Call Tele/Management System *(27 52 23 00-0001)*

27 52 23 00-0039	EA	Tele/Management Unit; TP12	4,907.73	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,722.89	

27 52 23 00-0041 Wireless Nurses Call Paging System *(27 52 23 00-0001)*

27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	14,472.63	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	1,014.58	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,367.95	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,674.82	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	91.94	

27 52 23 00-0047 Equipment Nurses Call Systems *(27 52 23)*

27 52 23 00-0048	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	311.05	69.84
27 52 23 00-0049	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,332.32	279.36
27 52 23 00-0050	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	328.24	91.33
27 52 23 00-0051	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,606.35	268.62
27 52 23 00-0052	EA	Nurses Call System, Duty Station Intercommunication Equipment	810.73	209.52
27 52 23 00-0053	EA	Nurses Call System, Staff Station Intercommunication Equipment	425.07	69.84
27 52 23 00-0054	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	402.54	69.84
27 52 23 00-0055	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	615.10	122.22
27 52 23 00-0056	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	183.89	53.73
27 52 23 00-0057	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	169.38	53.73
27 52 23 00-0058	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	122.54	34.92
27 52 23 00-0059	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	177.69	53.73
27 52 23 00-0060	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	272.22	34.92
27 52 23 00-0061	EA	Nurses Call System, Cord Set Intercommunication Equipment	133.46	34.92

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 52 23 00-0062	EA	Nurse Call System, Master-20 Station	6,807.98	268.62
	27 52 23 00-0063	EA	Dukane Duty Station - Tone Only, PC1000	1,112.53	209.65

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 16 Wired Clock Systems *(27 53 13)*

27 53 13 16-0001 Wired Self-Corrective Clock Systems *(27 53 13 16)*

27 53 13 16-0002 Wired Self-Corrective Clocks *(27 53 13 16-0001)*

27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 16-0002)*

27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

	27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	300.31	33.58
			For >50 To 100, Deduct	*-19.38*	
			For >100, Deduct	*-28.71*	
	27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	716.45	33.58
			For >50 To 100, Deduct	*-36.03*	
			For >100, Deduct	*-62.00*	
	27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	377.04	33.58
			For >50 To 100, Deduct	*-25.55*	
			For >100, Deduct	*-37.94*	
	27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	946.65	33.58
			For >50 To 100, Deduct	*-98.00*	
			For >100, Deduct	*-133.18*	

27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

	27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	300.31	33.58
			For >50 To 100, Deduct	*-19.38*	
			For >100, Deduct	*-28.71*	
	27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	716.45	33.58
			For >50 To 100, Deduct	*-36.03*	
			For >100, Deduct	*-62.00*	
	27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	377.04	33.58
			For >50 To 100, Deduct	*-25.55*	
			For >100, Deduct	*-37.94*	
	27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	946.65	33.58
			For >50 To 100, Deduct	*-98.00*	
			For >100, Deduct	*-133.18*	

27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks *(27 53 13 16-0003)*

	27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	247.55	16.78
	27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	63.09	16.78
	27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	80.07	16.78
	27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	97.78	16.78
	27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	166.58	26.86

27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) *(27 53 13 16-0002)*

27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 16-0020)*

	27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	371.14	33.58
			For Surface Mount, Add	*60.80*	
			For >50 To 100, Deduct	*-18.24*	
			For >100, Deduct	*-30.40*	
	27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	571.83	33.58
			For Surface Mount, Add	*100.94*	
			For >50 To 100, Deduct	*-30.28*	
			For >100, Deduct	*-50.47*	

27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 16-0020)*

	27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	371.14	33.58
			For Surface Mount, Add	*60.80*	
			For >50 To 100, Deduct	*-18.24*	
			For >100, Deduct	*-30.40*	
	27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	571.83	33.58
			For Surface Mount, Add	*100.94*	
			For >50 To 100, Deduct	*-30.28*	
			For >100, Deduct	*-50.47*	

27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 16-0020)*

	27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	317.29	33.58
			For >50 To 100, Deduct	*-15.01*	
			For >100, Deduct	*-25.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	523.13	33.58
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-45.60*	
27 53 13 16-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	317.29	33.58
		For >50 To 100, Deduct	*-15.01*	
		For >100, Deduct	*-25.01*	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	523.13	33.58
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-45.60*	
27 53 13 16-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	337.57	16.78
27 53 13 16-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	80.80	16.78
27 53 13 16-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	111.79	16.78
27 53 13 16-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	294.77	16.78
27 53 13 16-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	83.02	16.78
27 53 13 16-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0001)*		
27 53 13 16-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	3,482.67	268.62
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	3,704.02	268.62
27 53 13 16-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	357.89	67.15
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	404.36	67.15
27 53 13 16-0046		**Other Clock And Program Systems** *(27 53 13 16)*		
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	2,064.21	134.31
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,503.06	268.62
27 53 13 16-0049	EA	Program Bell (Lathem 906-6)	307.22	67.15
27 53 13 16-0050	EA	Combination Clock And Speaker	698.51	167.89

END OF SECTION 27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 10 Access Control *(28)*

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Security Door (Vindicator #192-30894-00)	1,758.01	280.03
28 15 11 13-0003	EA	Security Detector, Passive Infrared (Vindicator #316-30812-00)	2,221.54	363.97
28 15 11 13-0004	EA	Premise Security Control Unit (Vindicator #548-32004-01)	12,034.97	797.78
28 15 11 13-0005	EA	Access Manager Security Key Pad (Vindicator #548-31894-01)	5,695.60	679.86
28 15 11 13-0006	EA	ALS Duress Security Switch (Vindicator #192-30810-00)	1,417.39	371.89

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand-Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount to a standard mullion.	153.70	33.58
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	160.91	33.58
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	202.38	33.58

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	192.16	33.58
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	920.29	100.73
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	310.57	33.58

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	215.90	33.58

28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls Note: Opens door or gate with a postal or fire department key.	332.65	67.15
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls	523.77	67.15
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls	523.77	67.15
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls	797.84	67.15

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	301.55	33.58

28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*

Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0023 Keypad Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*

28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,260.31	134.31
		For Flush Mount, Add	*223.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*		
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls	1,528.28	151.09
		Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.		
		For Flush Mount, Add	*275.87*	
28 16 11 00-0027		RF Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand-Alone Access Controls *(28 16 11 00-0027)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	755.45	134.31
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	852.82	134.31
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	946.58	134.31
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,047.55	134.31
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,141.31	134.31
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,242.28	134.31
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,336.04	134.31
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	61.30	
		For >40 To 110, Deduct	*-3.07*	
		For >110, Deduct	*-6.13*	
		For Built In Proximity Tags, Add	*12.26*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	64.91	
		For >40 To 110, Deduct	*-3.25*	
		For >110, Deduct	*-6.49*	
		For Built In Proximity Tags, Add	*12.98*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	68.52	
		For >40 To 110, Deduct	*-3.43*	
		For >110, Deduct	*-6.85*	
		For Built In Proximity Tags, Add	*13.70*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls	288.01	100.73
		Note: Includes 15' of coax cable.		
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls	562.08	100.73
		Note: Includes 20' of coax cable.		
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls	511.59	100.73
		Note: Includes 15' of coax cable.		
28 16 11 00-0045		Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0045)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0047)*		
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,440.62	134.31
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,566.83	134.31
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,855.33	134.31
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand-Alone Access Controls	863.63	134.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,067.26	134.31
28 16 11 00-0061		Other Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators	148.29	33.58
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	157.62	26.86
28 16 11 00-0064		Wiegand Output Access Controls *(28 16 11)*		
		Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0067		DKS, Proximity Cards *(28 16 11 00-0066)*		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	9.59	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	15.82	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	16.66	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150)	94.24	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200)	122.85	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	527.62	167.89
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	527.62	167.89
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	527.62	167.89
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)	1,426.27	167.89
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0079		AWID, Proximity Cards *(28 16 11 00-0078)*		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	8.08	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.62	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	13.46	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0078)*		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)	638.69	167.89
		Note: For mullion mounting.		
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	881.02	167.89
		Note: For mullion mounting.		
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	881.02	167.89
		Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)	1,429.64	167.89
		Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	8,013.02	167.89
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0092		HID, Proximity Cards *(28 16 11 00-0091)*		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	19.83	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	25.89	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	26.56	
28 16 11 00-0096		HID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0091)*		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)	589.54	167.89
		Note: For mullion mounting. (HID P/N 6005).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	692.08	167.89
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	768.98	167.89
28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	976.61	167.89
28 16 11 00-0101		**Contactless Smart Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0102		**HID, Contactless Smart Cards** *(28 16 11 00-0101)*		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	14.81	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	16.17	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	21.16	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	11.45	
28 16 11 00-0107		**HID, Contactless Smart Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	602.87	167.89
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	825.00	167.89
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	1,324.82	167.89
28 16 11 00-0111		**HID, Contactless Smart Card Programmer, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	4,135.93	167.89
28 16 11 00-0113		**Call Station Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,633.98	167.89
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,363.52	167.89
28 16 11 00-0116		**Biometrics Readers, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	7,055.94	134.31
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,615.61	134.31
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,403.64	134.31
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	2,106.55	134.31
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,344.56	134.31
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	2,106.55	134.31
28 16 11 00-0123		**Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		**2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	479.12	46.63
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	904.64	46.63
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	435.84	46.63
28 16 11 00-0128		**4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	854.78	55.95
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,013.45	55.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	634.80	55.95
28 16 11 00-0132		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	2,718.28	69.95
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	2,844.49	69.95
28 16 11 00-0135	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,203.69	23.32
28 16 11 00-0136	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,888.86	69.95
28 16 11 00-0137		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0138	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	678.43	
28 16 11 00-0139	EA	7 Amperes, 12 Volt, Battery	88.64	
28 16 11 00-0140	EA	18 Amperes, 12 Volt, Battery	197.57	
28 16 11 00-0141	EA	Door Personality Module (Sensormatic RM-4)	738.45	33.58
28 16 11 00-0142	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	302.87	67.15
28 16 11 00-0143	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	93.66	40.29
28 16 11 00-0144	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	809.90	26.86
28 16 11 00-0145	EA	Surge Suppressor (Tripp-Lite IBAR4)	122.38	6.72
28 16 11 00-0146	EA	Door Strike Relay (Altronix RBSN-TTL)	87.35	26.86
28 16 11 00-0147	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	523.95	
28 16 11 00-0148	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	733.57	167.89
28 16 11 00-0149		**Access Controllers** *(28 16 11)*		
28 16 11 00-0150		**Microterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0151	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,873.29	167.89
28 16 11 00-0152	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,349.72	100.73
28 16 11 00-0153	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	639.91	
28 16 11 00-0154		**Miniterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0155	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,928.87	167.89
28 16 11 00-0156	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,212.48	100.73
28 16 11 00-0157		**Super-2 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0158	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,169.96	167.89
28 16 11 00-0159	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,487.16	100.73
28 16 11 00-0160	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	412.65	100.73
28 16 11 00-0161		**Smarterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0162	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	6,145.15	201.46
28 16 11 00-0163	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,727.32	100.73
28 16 11 00-0164	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,840.26	100.73
28 16 11 00-0165	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,615.74	100.73
28 16 11 00-0166	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	2,034.65	100.73
28 16 11 00-0167	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	2,034.65	100.73
28 16 11 00-0168		**Superterm-4 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0169	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,671.93	201.46
28 16 11 00-0170	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,647.77	100.73
28 16 11 00-0171		**Superterm-8 Controller** *(28 16 11 00-0149)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0172	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,551.09	335.77
28 16 11 00-0173	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,197.31	335.77
28 16 11 00-0174	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,258.32	100.73
28 16 11 00-0175		**Turbo Superterm-4 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0176	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,671.93	201.46
28 16 11 00-0177	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,647.77	100.73
28 16 11 00-0178		**Turbo Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0179	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,551.09	335.77
28 16 11 00-0180	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,197.31	335.77
28 16 11 00-0181	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,258.32	100.73
28 16 11 00-0182	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,615.74	100.73
28 16 11 00-0183	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,202.14	100.73
28 16 11 00-0184	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	2,036.74	100.73
28 16 11 00-0185	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	2,036.74	100.73
28 16 11 00-0186	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	828.90	
28 16 11 00-0187		**Intelligent Controller** *(28 16 11 00-0149)*		
28 16 11 00-0188	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,460.29	100.73
28 16 11 00-0189	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,524.58	167.89
28 16 11 00-0190		**Access Control Bundled System** *(28 16 11)*		
28 16 11 00-0191	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	41,082.51	
28 16 11 00-0192		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0193		**Magnetic Door Locks** *(28 16 11 00-0192)*		
28 16 11 00-0194		**300 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0195	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	697.75	134.31
28 16 11 00-0196		**600 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0197	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	995.26	134.31
		For LED Status Indicator And Signal Relay, Add	*90.83*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*181.66*	
		For Mortise Mount, Deduct	*-145.33*	
28 16 11 00-0198	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,483.89	134.31
		For LED Status Indicator And Signal Relay, Add	*151.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*303.82*	
28 16 11 00-0199		**1,200 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0200	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,040.34	134.31
		For LED Status Indicator And Signal Relay, Add	*177.50*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*231.52*	
28 16 11 00-0201	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,581.26	134.31
		For LED Status Indicator And Signal Relay, Add	*301.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*393.79*	
28 16 11 00-0202		**2,000 Lb. Shear Lock, Magnetic And Mechanical Locks** *(28 16 11 00-0193)* Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,089.02	134.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0204		Magnetic Gate Locks *(28 16 11 00-0192)*		
28 16 11 00-0205		600 Lb. Magnetic Gate Locks *(28 16 11 00-0204)*		
28 16 11 00-0206	EA	600 Lb. Magnetic Gate Lock	816.75	134.31
28 16 11 00-0207		1,200 Lb. Magnetic Gate Locks *(28 16 11 00-0204)*		
28 16 11 00-0208	EA	1,200 Lb. Magnetic Gate Lock	980.83	134.31
		For LED Status Indicator And Signal Relay, Add	*89.03*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*178.05*	
		For Mortise Mount, Deduct	*-142.44*	
28 16 11 00-0209		Magnetic Lock Power Supply And Chargers *(28 16 11 00-0192)*		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	606.83	134.31
28 16 11 00-0211	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	770.31	134.31
28 16 11 00-0212	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	866.48	134.31
28 16 11 00-0213	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,087.65	134.31
28 16 11 00-0214		Master Door Buzzer Stations *(28 16 11)*		
28 16 11 00-0215		Master Stations *(28 16 11 00-0214)*		
28 16 11 00-0216	EA	Master Stations, 5 Station Intercommunication Equipment	1,238.27	209.52
28 16 11 00-0217	EA	Master Stations, 10 Station Intercommunication Equipment	1,866.26	405.61
28 16 11 00-0218	EA	Master Station, Desk Style Remote Intercommunication Equipment	533.12	104.76
28 16 11 00-0219	EA	Master Station, Flush Wall Remote Intercommunication Equipment	684.82	174.60
28 16 11 00-0220	EA	Sound System Outlet, Protector	177.25	68.37
28 16 11 00-0221	EA	Sound System Microphone Outlet	311.32	139.95
28 16 11 00-0222	EA	Ceiling Or Wall, Sound System Speaker	235.78	68.37
28 16 11 00-0223	EA	Sound System Monitor Panel	685.15	139.95
28 16 11 00-0224	EA	Sound System Volume Control	204.24	68.37
28 16 11 00-0225	EA	250 Watt, Sound System Amplifier	3,164.44	559.66
28 16 11 00-0226	EA	Sound System Cabinet	1,862.35	559.66
28 16 11 00-0227		Master Door Stations *(28 16 11 00-0214)*		
28 16 11 00-0228	EA	Master Door Stations, Button Buzzer Type, 25 Station	2,760.14	
		For Intercom Type Master Door Station, Add	*224.87*	
28 16 11 00-0229	EA	Master Door Stations, Button Buzzer Type, 50 Station	4,571.94	
		For Intercom Type Master Door Station, Add	*364.28*	
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 75 Station	6,276.69	
		For Intercom Type Master Door Station, Add	*472.22*	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 100 Station	7,173.53	
		For Intercom Type Master Door Station, Add	*553.17*	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 150 Station	8,694.23	
		For Intercom Type Master Door Station, Add	*809.51*	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 200 Station	10,193.26	
		For Intercom Type Master Door Station, Add	*1,043.37*	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 250 Station	12,829.00	
		For Intercom Type Master Door Station, Add	*1,349.19*	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 300 Station	15,331.67	
		For Intercom Type Master Door Station, Add	*1,547.07*	
28 16 11 00-0236	EA	Transformer	192.77	
28 16 11 00-0237	EA	Door Opener	285.37	
28 16 11 00-0238	EA	Buzzer With Door Release And Plate	352.57	
28 16 11 00-0239	EA	Amplifier For Intercom Type Unit	573.39	
28 16 11 00-0240	EA	Speaker With Door Release	241.50	

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001	EA	Handheld Scanner (Garrett Super Scanner V)	291.75	33.58
28 18 11 00-0002	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,699.88	402.92
28 18 11 00-0003	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	7,250.03	537.22

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001 Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*

28 21 31 00-0002 Cameras And Accessories *(28 21 31 00-0001)*

28 21 31 00-0003 Cameras *(28 21 31 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0004		Compact, 1/3" Format Cameras *(28 21 31 00-0003)*		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	696.62	33.63
28 21 31 00-0007		Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0008	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	411.17	33.63
28 21 31 00-0009		Camerapaks *(28 21 31 00-0002)* Note: Includes camera and lens.		
28 21 31 00-0010		Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0011		High Resolution Color, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0012		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0013		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0014	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	534.98	33.63
28 21 31 00-0015	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	502.88	33.63
28 21 31 00-0016	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	487.98	33.63
28 21 31 00-0017	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	484.54	33.63
28 21 31 00-0018		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0019	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	583.13	33.63
28 21 31 00-0020	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	534.98	33.63
28 21 31 00-0021	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	523.52	33.63
28 21 31 00-0022	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	514.35	33.63
28 21 31 00-0023		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0024		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0025	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	630.13	33.63
28 21 31 00-0026	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	568.23	33.63
28 21 31 00-0027	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	517.79	33.63
28 21 31 00-0028	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	497.15	33.63
28 21 31 00-0029	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	573.96	33.63
28 21 31 00-0030		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0031	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	680.57	33.63
28 21 31 00-0032	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	638.16	33.63
28 21 31 00-0033	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	565.93	33.63
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	505.17	33.63
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	598.03	33.63
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	675.99	33.63
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	775.73	33.63
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	531.54	33.63
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	635.86	33.63
28 21 31 00-0041		High Resolution Day/Night, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0041)*		
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,076.08	33.63
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	1,003.86	33.63
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	943.10	33.63
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	1,035.96	33.63
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,113.91	33.63
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,212.50	33.63
28 21 31 00-0050		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0051	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	969.47	33.63
28 21 31 00-0052	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,073.79	33.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0053		Compact Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0054		High Resolution Color, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0055		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0056		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0057		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0058	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	834.19	33.63
28 21 31 00-0059	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	802.09	33.63
28 21 31 00-0060	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	786.04	33.63
28 21 31 00-0061	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	782.60	33.63
28 21 31 00-0062		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0063	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	881.19	33.63
28 21 31 00-0064	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	834.19	33.63
28 21 31 00-0065	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	822.73	33.63
28 21 31 00-0066	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	813.56	33.63
28 21 31 00-0067		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0068		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0069	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	929.34	33.63
28 21 31 00-0070	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	866.29	33.63
28 21 31 00-0071	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	817.00	33.63
28 21 31 00-0072	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	796.36	33.63
28 21 31 00-0073	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	872.02	33.63
28 21 31 00-0074	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	921.32	33.63
28 21 31 00-0075	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	1,038.25	33.63
28 21 31 00-0076		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0077	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	978.64	33.63
28 21 31 00-0078	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	937.37	33.63
28 21 31 00-0079	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	865.14	33.63
28 21 31 00-0080	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	803.24	33.63
28 21 31 00-0081	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	897.24	33.63
28 21 31 00-0082	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	975.20	33.63
28 21 31 00-0083	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	1,073.79	33.63
28 21 31 00-0084		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0085	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	830.75	33.63
28 21 31 00-0086	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	935.07	33.63
28 21 31 00-0087		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0088		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0089		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0090	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	834.19	33.63
28 21 31 00-0091	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	623.25	33.63
28 21 31 00-0092	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	607.20	33.63
28 21 31 00-0093	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	603.77	33.63
28 21 31 00-0094		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0095	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	702.36	33.63
28 21 31 00-0096	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	655.35	33.63
28 21 31 00-0097	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	643.89	33.63
28 21 31 00-0098	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	643.89	33.63
28 21 31 00-0099		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0100		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0101	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	750.50	33.63
28 21 31 00-0102	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	687.45	33.63
28 21 31 00-0103	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	638.16	33.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0104	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	617.52	33.63
28 21 31 00-0105	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	693.18	33.63
28 21 31 00-0106	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	742.48	33.63
28 21 31 00-0107	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	859.41	33.63
28 21 31 00-0108		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0109	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	799.80	33.63
28 21 31 00-0110	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	758.53	33.63
28 21 31 00-0111	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	685.16	33.63
28 21 31 00-0112	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	624.40	33.63
28 21 31 00-0113	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	718.41	33.63
28 21 31 00-0114	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	796.36	33.63
28 21 31 00-0115	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	894.95	33.63
28 21 31 00-0116		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0117	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	651.91	33.63
28 21 31 00-0118	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	756.24	33.63
28 21 31 00-0119		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0120		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0121		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0122	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	769.99	33.63
28 21 31 00-0123		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0124	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	868.58	33.63
28 21 31 00-0125	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	820.43	33.63
28 21 31 00-0126		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0127		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0128	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	803.24	33.63
28 21 31 00-0129	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	782.60	33.63
28 21 31 00-0130	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	908.71	33.63
28 21 31 00-0131		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0132	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	923.61	33.63
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	851.39	33.63
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	790.63	33.63
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	883.49	33.63
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	961.44	33.63
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,061.18	33.63
28 21 31 00-0138		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	817.00	33.63
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	921.32	33.63
28 21 31 00-0141		Camera Systems *(28 21 31 00-0002)*		
28 21 31 00-0142		Camera Dome Systems *(28 21 31 00-0141)*		
28 21 31 00-0143		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0146		**Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,416.26	201.76
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,886.28	201.76
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,097.22	201.76
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,674.67	201.76
28 21 31 00-0151		**Color, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,883.18	201.76
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,120.49	201.76
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,332.57	201.76
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,454.09	201.76
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,454.09	201.76
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,618.03	201.76
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	4,089.20	201.76
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,301.28	201.76
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,422.80	201.76
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,422.80	201.76
28 21 31 00-0162		**Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,206.13	201.76
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,677.30	201.76
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,889.38	201.76
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	5,010.90	201.76
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	5,010.90	201.76
28 21 31 00-0168		**Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,820.94	201.76
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	4,059.39	201.76
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,270.33	201.76
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,391.85	201.76
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,391.85	201.76
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,592.47	201.76
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,967.34	201.76
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,178.28	201.76
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,299.79	201.76
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,299.79	201.76
28 21 31 00-0179		**Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0144)*		
28 21 31 00-0180		**Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0179)*		
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,739.54	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,943.60	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	4,106.39	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,637.18	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0185	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,841.23	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0186	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	5,005.17	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0187		**Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0179)*		
28 21 31 00-0188	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,677.30	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0189	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,881.36	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0190	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	5,045.29	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0191	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,515.32	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0192	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,718.23	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0193	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,882.17	201.76
		For Protective Lower Dome Cage, Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0194		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0195		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0194)*		
28 21 31 00-0196	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	6,182.52	201.76
28 21 31 00-0197	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	7,020.54	201.76
28 21 31 00-0198		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0199		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0200	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,377.75	201.76
28 21 31 00-0201		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0202	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,683.03	201.76
28 21 31 00-0203	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,581.81	201.76
28 21 31 00-0204		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	6,169.91	201.76
28 21 31 00-0206		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0207	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,621.93	201.76
28 21 31 00-0208	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	6,458.80	201.76
28 21 31 00-0209		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0210		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0209)*		
28 21 31 00-0211	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	2,165.54	201.76
28 21 31 00-0212		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0214		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0215	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	3,976.85	201.76
28 21 31 00-0216	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	4,188.93	201.76
28 21 31 00-0217	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	4,310.45	201.76
28 21 31 00-0218	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	4,310.45	201.76
28 21 31 00-0219	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	4,945.56	201.76
28 21 31 00-0220	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	5,157.64	201.76
28 21 31 00-0221	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	5,279.16	201.76
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	5,279.16	201.76
28 21 31 00-0223		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,533.66	201.76
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,745.74	201.76
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,867.26	201.76
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,867.26	201.76
28 21 31 00-0228		Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0229		Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0228)*		
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,595.90	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,799.96	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	4,962.75	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	5,493.54	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,697.60	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,861.53	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236		Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0228)*		
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,533.66	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,737.72	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,901.65	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0240	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	6,371.68	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0241	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	6,574.59	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0242	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,738.53	201.76
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0243		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0244		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,539.39	201.76
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	6,438.17	201.76
28 21 31 00-0247		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,026.27	201.76
28 21 31 00-0249		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	6,478.29	201.76
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,315.17	201.76
28 21 31 00-0252		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0253		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 31 00-0252)*		
28 21 31 00-0254	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,718.10	201.76
28 21 31 00-0255		Spectra®, Pan/Tilt Dome Drives *(28 21 31 00-0143)*		
		Note: Includes dome drive, camera and lens.		
28 21 31 00-0256	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	2,012.31	168.13
28 21 31 00-0257	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,562.58	168.13
28 21 31 00-0258	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,242.39	168.13
28 21 31 00-0259	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,547.68	168.13
28 21 31 00-0260	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,445.31	168.13
28 21 31 00-0261	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,485.43	168.13
28 21 31 00-0262	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	4,033.41	168.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0263	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,323.45	168.13
28 21 31 00-0264	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,323.45	168.13
28 21 31 00-0265		Accessories For Spectra® Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)*		
28 21 31 00-0266	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0267	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0268	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	175.78	16.81
28 21 31 00-0269	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	442.89	16.81
28 21 31 00-0270	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	171.20	16.81
28 21 31 00-0271	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	305.91	16.81
28 21 31 00-0272	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	115.57	10.00
28 21 31 00-0273		Camclosure®, Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0274		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0275		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0274)*		
28 21 31 00-0276		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0277	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	810.49	201.76
28 21 31 00-0278	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	879.28	201.76
28 21 31 00-0279	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	976.72	201.76
28 21 31 00-0280	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	976.72	201.76
28 21 31 00-0281		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0282	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	989.33	201.76
28 21 31 00-0283	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	1,078.75	201.76
28 21 31 00-0284	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	1,078.75	201.76
28 21 31 00-0285		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0286	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,133.78	201.76
28 21 31 00-0287	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,355.03	201.76
28 21 31 00-0288	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,355.03	201.76
28 21 31 00-0289		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0290	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,239.25	201.76
28 21 31 00-0291	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,381.40	201.76
28 21 31 00-0292		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0274)*		
28 21 31 00-0293		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0294	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	892.65	134.51
28 21 31 00-0295		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0296	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	1,022.19	134.51
28 21 31 00-0297		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	1,125.37	134.51
28 21 31 00-0299		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,176.96	134.51
28 21 31 00-0301		Camclosure® IS Integrated Cameras *(28 21 31 00-0274)*		
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	628.98	134.51
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	628.98	134.51
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	731.01	134.51
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	1,007.29	134.51
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	1,033.66	134.51
28 21 31 00-0307		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0307)*		
28 21 31 00-0309		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	697.00	201.76
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	746.29	201.76
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	943.47	201.76
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	943.47	201.76
28 21 31 00-0314		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0315	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,164.73	201.76
28 21 31 00-0316		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0317		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0316)*		
28 21 31 00-0318	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	808.96	134.51
28 21 31 00-0319		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0320		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0321	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	1,078.75	201.76
28 21 31 00-0322		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0323	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	1,181.93	201.76
28 21 31 00-0324		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0325	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,311.47	201.76
28 21 31 00-0326		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0327	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,363.06	201.76
28 21 31 00-0328		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0328)*		
28 21 31 00-0330		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0331	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,931.67	201.76
28 21 31 00-0332	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,931.67	201.76
28 21 31 00-0333		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0334	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	2,073.82	201.76
28 21 31 00-0335	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	2,073.82	201.76
28 21 31 00-0336		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0337	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,292.79	201.76
28 21 31 00-0338	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,292.79	201.76
28 21 31 00-0339		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0340	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,447.55	201.76
28 21 31 00-0341	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,447.55	201.76
28 21 31 00-0342		Accessories For Camclosure® Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0343	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	40.82	10.09
28 21 31 00-0344	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	40.82	10.09
28 21 31 00-0345	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	54.27	16.81
28 21 31 00-0346	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	86.36	16.81
28 21 31 00-0347	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	88.96	10.09
28 21 31 00-0348	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	86.36	16.81
28 21 31 00-0349	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	109.29	16.81
28 21 31 00-0350	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	291.94	33.63
28 21 31 00-0351	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	291.94	33.63
28 21 31 00-0352	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	291.94	33.63
28 21 31 00-0353	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	291.94	33.63
28 21 31 00-0354	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	103.56	16.81
28 21 31 00-0355	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	118.84	33.63
28 21 31 00-0356	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	118.84	33.63
28 21 31 00-0357	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	118.84	33.63
28 21 31 00-0358	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	118.84	33.63
28 21 31 00-0359	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	118.84	33.63
28 21 31 00-0360	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	118.84	33.63
28 21 31 00-0361	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	345.35	45.93
28 21 31 00-0362	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	73.75	16.81
28 21 31 00-0363	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	125.34	16.81
28 21 31 00-0364	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	73.75	16.81
28 21 31 00-0365	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	125.34	16.81
28 21 31 00-0366	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,802.13	201.76
28 21 31 00-0367		Pan/Tilt Camera Systems *(28 21 31 00-0141)*		
28 21 31 00-0368		Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
		Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0370		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0369)*		
28 21 31 00-0371	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	5,091.13	302.64
28 21 31 00-0372	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,780.12	302.64
28 21 31 00-0373	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,735.07	302.64
28 21 31 00-0374	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	5,239.02	302.64
28 21 31 00-0375	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,958.96	302.64
28 21 31 00-0376	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,913.91	302.64
28 21 31 00-0377		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0369)*		
28 21 31 00-0378	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	5,138.14	302.64
28 21 31 00-0379	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	5,827.12	302.64
28 21 31 00-0380	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	6,782.07	302.64
28 21 31 00-0381	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	5,287.17	302.64
28 21 31 00-0382	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	6,005.96	302.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	6,960.91	302.64
28 21 31 00-0384		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0385		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0384)*		
28 21 31 00-0386		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	5,269.97	302.64
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	5,958.96	302.64
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	6,913.91	302.64
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	5,417.86	302.64
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	6,137.80	302.64
28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	7,092.75	302.64
28 21 31 00-0393		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	5,316.97	302.64
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	6,005.96	302.64
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	6,960.91	302.64
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	5,466.01	302.64
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	6,184.80	302.64
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	7,139.75	302.64
28 21 31 00-0400		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0401		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0400)*		
28 21 31 00-0402		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	4,970.76	302.64
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,659.75	302.64
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,614.70	302.64
28 21 31 00-0406	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	5,119.79	302.64
28 21 31 00-0407	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	5,838.59	302.64
28 21 31 00-0408	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,793.54	302.64
28 21 31 00-0409		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0410	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,018.91	302.64
28 21 31 00-0411	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,706.75	302.64
28 21 31 00-0412	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,662.85	302.64
28 21 31 00-0413	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	5,052.16	302.64
28 21 31 00-0414	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,166.80	302.64
28 21 31 00-0415	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,885.59	302.64
28 21 31 00-0416	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,841.69	302.64
28 21 31 00-0417		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0418		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0417)*		
28 21 31 00-0419		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,945.20	302.64
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,900.15	302.64
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,405.25	302.64
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	6,124.04	302.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	7,078.99	302.64
28 21 31 00-0425		**Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems** *(28 21 31 00-0418)*		
28 21 31 00-0426	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	5,304.36	302.64
28 21 31 00-0427	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,992.20	302.64
28 21 31 00-0428	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,948.30	302.64
28 21 31 00-0429	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,452.25	302.64
28 21 31 00-0430	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	6,171.04	302.64
28 21 31 00-0431	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	7,127.14	302.64
28 21 31 00-0432		**Esprit® KWZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0433		**Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems** *(28 21 31 00-0432)*		
28 21 31 00-0434		**Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems** *(28 21 31 00-0433)*		
28 21 31 00-0435	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	7,052.62	302.64
28 21 31 00-0436	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,556.57	302.64
28 21 31 00-0437	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	7,231.46	302.64
28 21 31 00-0438		**Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems** *(28 21 31 00-0433)*		
28 21 31 00-0439	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,455.69	302.64
28 21 31 00-0440	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	7,100.77	302.64
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,604.72	302.64
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	6,323.51	302.64
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	7,279.61	302.64
28 21 31 00-0444		**Esprit® IOC, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0445		**Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems** *(28 21 31 00-0444)*		
28 21 31 00-0446		**Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems** *(28 21 31 00-0445)*		
28 21 31 00-0447	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,936.03	302.64
28 21 31 00-0448		**Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems** *(28 21 31 00-0445)*		
28 21 31 00-0449	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,983.03	302.64
28 21 31 00-0450		**High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems** *(28 21 31 00-0444)*		
28 21 31 00-0451		**Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems** *(28 21 31 00-0450)*		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	7,052.62	302.64
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,818.76	302.64
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,753.07	302.64
28 21 31 00-0455		**Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems** *(28 21 31 00-0450)*		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	7,098.48	302.64
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,818.76	302.64
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,804.66	302.64
28 21 31 00-0459		**Esprit® IOP, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0460		**High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems** *(28 21 31 00-0459)*		
28 21 31 00-0461		**Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems** *(28 21 31 00-0460)*		
28 21 31 00-0462	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,561.50	302.64
28 21 31 00-0463	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,679.24	302.64
28 21 31 00-0464	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,448.81	302.64
28 21 31 00-0465	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	6,176.77	302.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0466		**Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems** *(28 21 31 00-0460)*		
28 21 31 00-0467	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,607.35	302.64
28 21 31 00-0468	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,726.24	302.64
28 21 31 00-0469	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,495.81	302.64
28 21 31 00-0470	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	6,228.36	302.64
28 21 31 00-0471		**Esprit® Thermal, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0472		**Esprit® Thermal, Pan/Tilt Camera Systems** *(28 21 31 00-0471)*		
28 21 31 00-0473		**Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems** *(28 21 31 00-0472)*		
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,387.93	302.64
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,603.93	302.64
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,347.94	302.64
28 21 31 00-0477		**Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems** *(28 21 31 00-0472)*		
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,436.08	302.64
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,650.93	302.64
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,394.94	302.64
28 21 31 00-0481		**Accessories For Esprit® Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	12.80	3.36
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	73.75	16.81
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	115.02	16.81
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	145.98	16.81
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	425.60	45.93
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	597.11	45.93
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	509.29	45.93
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	691.75	45.93
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	394.65	45.93
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	987.28	45.93
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,588.05	45.93
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,887.26	45.93
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,954.90	45.93
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,061.51	45.93
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,508.07	45.93
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,537.72	45.93
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,566.18	45.93
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,457.96	45.93
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,636.80	45.93
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	117.15	10.82
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	117.15	10.82
28 21 31 00-0503		**Camera Lenses** *(28 21 31 00-0002)*		
28 21 31 00-0504		**Fixed Focus Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format and manual focus.		
28 21 31 00-0505		**Manual Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)*		
28 21 31 00-0506	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	186.94	15.78
28 21 31 00-0507	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	154.84	15.78
28 21 31 00-0508	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	138.79	15.78
28 21 31 00-0509	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	135.35	15.78
28 21 31 00-0510		**Direct Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	233.94	15.78
28 21 31 00-0512	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	186.94	15.78
28 21 31 00-0513	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	175.48	15.78
28 21 31 00-0514	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	125.04	15.78
28 21 31 00-0515		**Video Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	276.36	15.78
28 21 31 00-0517	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	228.21	15.78
28 21 31 00-0518	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	216.75	15.78
28 21 31 00-0519	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	207.58	15.78
28 21 31 00-0520		**Varifocal Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521		**Manual Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0522	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	249.08	15.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0523	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	219.04	15.78
28 21 31 00-0524	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	169.75	15.78
28 21 31 00-0525	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	149.11	15.78
28 21 31 00-0526	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	391.00	15.78
28 21 31 00-0527	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	194.29	15.78
28 21 31 00-0528	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	206.74	15.78
28 21 31 00-0529		Direct Drive Auto Iris, Varifocal Camera Lenses *(28 21 31 00-0520)*		
		Note: Includes spot filter.		
28 21 31 00-0530	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	244.93	15.78
28 21 31 00-0531	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	216.70	15.78
28 21 31 00-0532	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	166.90	15.78
28 21 31 00-0533	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	125.39	15.78
28 21 31 00-0534	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	426.54	15.78
28 21 31 00-0535	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	242.44	15.78
28 21 31 00-0536		Video Drive Auto Iris, Varifocal Camera Lenses *(28 21 31 00-0520)*		
		Note: Includes spot filter.		
28 21 31 00-0537	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	373.80	15.78
28 21 31 00-0538	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	331.39	15.78
28 21 31 00-0539	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	198.41	15.78
28 21 31 00-0540	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	369.22	15.78
28 21 31 00-0541		Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses *(28 21 31 00-0520)*		
28 21 31 00-0542	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	144.48	15.78
28 21 31 00-0543	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	215.04	15.78
28 21 31 00-0544		Motorized Zoom Camera Lenses *(28 21 31 00-0503)*		
		Note: 1/3" format.		
28 21 31 00-0545		Manual Iris, Motorized Zoom Camera Lenses *(28 21 31 00-0544)*		
28 21 31 00-0546	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	679.89	15.78
28 21 31 00-0547	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	849.56	15.78
28 21 31 00-0548	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	905.73	15.78
28 21 31 00-0549		Direct Drive Auto Iris, Motorized Zoom Camera Lenses *(28 21 31 00-0544)*		
		Note: Includes spot filter.		
28 21 31 00-0550	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	564.53	15.78
28 21 31 00-0551	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	651.69	15.78
28 21 31 00-0552	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	1,000.89	15.78
28 21 31 00-0553	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,114.90	15.78
28 21 31 00-0554	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,208.19	15.78
28 21 31 00-0555		Video Drive Auto Iris, Motorized Zoom Camera Lenses *(28 21 31 00-0544)*		
		Note: Includes spot filter.		
28 21 31 00-0556	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	697.09	15.78
28 21 31 00-0557	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	830.07	15.78
28 21 31 00-0558	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,043.30	15.78
28 21 31 00-0559	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,519.06	15.78
28 21 31 00-0560	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,474.01	15.78
28 21 31 00-0561		Camera Power Supplies *(28 21 31 00-0002)*		
28 21 31 00-0562	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	47.54	13.45
28 21 31 00-0563	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	81.93	13.45
28 21 31 00-0564	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	323.60	26.90
28 21 31 00-0565	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	375.40	40.35
28 21 31 00-0566	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	424.71	53.81
		For Switchable Outputs, Add	*190.27*	
28 21 31 00-0567	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	476.52	67.25
		For Switchable Outputs, Add	*205.21*	
28 21 31 00-0568		Camera Illuminators *(28 21 31 00-0002)*		
28 21 31 00-0569		Camera Illuminators *(28 21 31 00-0568)*		
		Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,810.09	26.90
28 21 31 00-0571	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,810.09	26.90
28 21 31 00-0572	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,810.09	26.90
28 21 31 00-0573		Camera Illuminator Accessories *(28 21 31 00-0568)*		
28 21 31 00-0574	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	151.25	26.90

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0575		**Camera Receivers** *(28 21 31 00-0002)*		
28 21 31 00-0576	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,757.72	45.93
28 21 31 00-0577	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,757.72	45.93
28 21 31 00-0578		**Pan And Tilt Drives** *(28 21 31 00-0002)*		
28 21 31 00-0579	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,248.42	100.88
28 21 31 00-0580	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,583.17	100.88
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0581	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,339.46	100.88
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0582	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,815.21	100.88
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0583	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,413.63	100.88
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0584	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,686.14	100.88
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0585		**Scanners** *(28 21 31 00-0002)*		
28 21 31 00-0586	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,423.82	100.88
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0587	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,496.05	100.88
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0588		**Camera Monitors** *(28 21 31 00-0001)*		
28 21 31 00-0589		**Camera Monitors** *(28 21 31 00-0588)*		
28 21 31 00-0590		**Monochrome Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0591	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	277.65	20.18
28 21 31 00-0592	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	317.78	20.18
28 21 31 00-0593	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	487.45	20.18
28 21 31 00-0594	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	784.36	20.18
28 21 31 00-0595		**Color Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0596	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	885.25	20.18
28 21 31 00-0597	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	717.87	20.18
28 21 31 00-0598	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	1,043.45	20.18
28 21 31 00-0599	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,387.37	20.18
28 21 31 00-0600		**LCD Camera Monitors** *(28 21 31 00-0588)*		
28 21 31 00-0601		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0602	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	1,001.03	20.18
28 21 31 00-0603	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,303.68	20.18
28 21 31 00-0604		**Multimode, Color LCD Camera Monitors (Pelco 300 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,138.60	20.18
28 21 31 00-0606	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,363.30	20.18
28 21 31 00-0607	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,677.41	20.18
28 21 31 00-0608		**Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,461.89	20.18
28 21 31 00-0610	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,695.75	20.18
28 21 31 00-0611	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,127.94	20.18
28 21 31 00-0612		**Camera Monitor Mounting Accessories** *(28 21 31 00-0588)*		
28 21 31 00-0613		**Camera Monitor Mounts** *(28 21 31 00-0612)*		
28 21 31 00-0614	EA	Up To 14", Camera Monitor Mount (Pelco)	340.41	26.90
28 21 31 00-0615	EA	>14" To 17", Camera Monitor Mount (Pelco)	396.58	26.90
28 21 31 00-0616	EA	>17" To 21", Camera Monitor Mount (Pelco)	465.37	26.90
28 21 31 00-0617		**Camera Monitor Rack Mount Kits** *(28 21 31 00-0612)*		
28 21 31 00-0618	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	206.28	26.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0619		Video Transmission Equipment *(28 21 31 00-0001)*		
28 21 31 00-0620		UTP Cable, Video Transmission Equipment *(28 21 31 00-0619)*		
28 21 31 00-0621		UTP Cable, Active Video Receivers *(28 21 31 00-0620)*		
28 21 31 00-0622	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	428.37	33.63
28 21 31 00-0623	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,475.03	33.63
28 21 31 00-0624	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,902.30	33.63
28 21 31 00-0625	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,767.49	33.63
28 21 31 00-0626	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,566.53	33.63
28 21 31 00-0627		UTP Cable, Passive Video Transceivers *(28 21 31 00-0620)*		
28 21 31 00-0628	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	125.72	33.63
28 21 31 00-0629	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	428.37	33.63
28 21 31 00-0630	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	790.63	33.63
28 21 31 00-0631	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,503.69	33.63
28 21 31 00-0632	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,941.27	33.63
28 21 31 00-0633		UTP Cable, Active Video Transmitters *(28 21 31 00-0620)*		
28 21 31 00-0634	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	447.85	33.63
28 21 31 00-0635		Fiber Optics, Video Transmission Equipment *(28 21 31 00-0619)*		
28 21 31 00-0636		Data Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0637		Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0636)*		
28 21 31 00-0638	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,596.98	67.25
28 21 31 00-0639	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	1,063.09	67.25
28 21 31 00-0640	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,898.82	67.25
28 21 31 00-0641	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,310.72	67.25
28 21 31 00-0642		Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0636)*		
28 21 31 00-0643	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,596.98	67.25
28 21 31 00-0644	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,063.09	67.25
28 21 31 00-0645	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,898.82	67.25
28 21 31 00-0646	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,310.72	67.25
28 21 31 00-0647		Video Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0648		Digitally Encoded Video, Fiber Optics Transmitters *(28 21 31 00-0647)*		
28 21 31 00-0649	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,154.81	67.25
28 21 31 00-0650	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	505.94	67.25
28 21 31 00-0651	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,194.25	67.25
28 21 31 00-0652	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,921.75	67.25
28 21 31 00-0653	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,230.26	67.25
28 21 31 00-0654	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,349.82	67.25
28 21 31 00-0655	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,979.92	67.25
28 21 31 00-0656	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,552.65	67.25
28 21 31 00-0657		Digitally Encoded Video, Fiber Optics Receivers *(28 21 31 00-0647)*		
28 21 31 00-0658	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,154.81	67.25
28 21 31 00-0659	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	505.94	67.25
28 21 31 00-0660	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,968.75	67.25
28 21 31 00-0661	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	800.57	67.25
28 21 31 00-0662	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,194.25	67.25
28 21 31 00-0663	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,921.75	67.25
28 21 31 00-0664	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,230.26	67.25
28 21 31 00-0665	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	4,349.82	67.25
28 21 31 00-0666	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	12,979.92	67.25
28 21 31 00-0667	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,552.65	67.25
28 21 31 00-0668		Video And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0669		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0668)*		
28 21 31 00-0670	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,988.24	67.25
28 21 31 00-0671	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,186.91	67.25
28 21 31 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,623.81	67.25
28 21 31 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	4,003.61	67.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	7,481.79	67.25
28 21 31 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	5,425.15	67.25
28 21 31 00-0676		**Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers** *(28 21 31 00-0668)*		
28 21 31 00-0677	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,988.24	67.25
28 21 31 00-0678	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,186.91	67.25
28 21 31 00-0679	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,623.81	67.25
28 21 31 00-0680	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	4,003.61	67.25
28 21 31 00-0681	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	7,481.79	67.25
28 21 31 00-0682	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	5,425.15	67.25
28 21 31 00-0683		**Video, Audio And Data, Fiber Optics Transmission Equipment** *(28 21 31 00-0635)*		
28 21 31 00-0684		**Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters** *(28 21 31 00-0683)*		
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,560.29	67.25
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	2,037.53	67.25
28 21 31 00-0687		**Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers** *(28 21 31 00-0683)*		
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,560.29	67.25
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	2,037.53	67.25
28 21 31 00-0690		**Video Amplifiers** *(28 21 31 00-0619)*		
28 21 31 00-0691		**Video Distribution Amplifiers** *(28 21 31 00-0690)*		
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	316.79	16.81
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,568.32	16.81
28 21 31 00-0694		**Video Equalizing Amplifiers** *(28 21 31 00-0690)*		
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010)	344.30	16.81
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	540.34	16.81
28 21 31 00-0697		**Network Video Equipment** *(28 21 31 00-0001)*		
28 21 31 00-0698		**Video Encoders/Decoders** *(28 21 31 00-0697)*		
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,276.32	33.63
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,276.32	33.63
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,468.92	33.63
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,468.92	33.63
28 21 31 00-0703		**Network Video Recorders** *(28 21 31 00-0697)*		
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	8,074.48	67.25
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,396.28	67.25
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	12,042.17	67.25
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,974.74	67.25
28 21 31 00-0708		**Network Video Recorder Software** *(28 21 31 00-0697)*		
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89	
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73	
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02	
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70	
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12	
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98	
28 21 31 00-0715	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03	
28 21 31 00-0716	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79	
28 21 31 00-0717	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50	
28 21 31 00-0718	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0719	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,186.69	
28 21 31 00-0720	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,630.35	
28 21 31 00-0721	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	12,068.06	
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,985.73	
28 21 31 00-0723	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,429.39	
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,864.81	
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,719.77	
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,164.57	
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,601.14	
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	9,049.59	
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,493.25	
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,930.96	

28 21 31 00-0731 Video Recording Equipment *(28 21 31 00-0001)*

28 21 31 00-0732 Digital Video Recorders *(28 21 31 00-0731)*

28 21 31 00-0733	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,642.88	67.25
28 21 31 00-0734	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,336.24	67.25
28 21 31 00-0735	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	22,030.75	67.25
28 21 31 00-0736	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,221.13	67.25
28 21 31 00-0737	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,914.50	67.25
28 21 31 00-0738	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,609.00	67.25
28 21 31 00-0739	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,639.23	67.25
28 21 31 00-0740	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,332.59	67.25
28 21 31 00-0741	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	26,027.10	67.25
28 21 31 00-0742	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,217.48	67.25
28 21 31 00-0743	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,910.85	67.25
28 21 31 00-0744	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,605.35	67.25
28 21 31 00-0745	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,955.85	67.25

28 21 31 00-0746 Digital Video Recorder Accessories *(28 21 31 00-0731)*

28 21 31 00-0747	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,235.05	33.63

28 21 31 00-0748 Matrix Systems And Controls *(28 21 31 00-0001)*

28 21 31 00-0749 Video Multiplexers *(28 21 31 00-0748)*

28 21 31 00-0750 Monochrome Duplex, Video Multiplexers *(28 21 31 00-0749)*

28 21 31 00-0751	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,328.72	67.25
28 21 31 00-0752	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,201.47	67.25

28 21 31 00-0753 Color Duplex, Video Multiplexers *(28 21 31 00-0749)*

28 21 31 00-0754	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,575.53	67.25
28 21 31 00-0755	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,998.22	67.25
28 21 31 00-0756	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,249.28	67.25

28 21 31 00-0757 Color Simplex, Video Multiplexers *(28 21 31 00-0749)*

28 21 31 00-0758	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,521.31	67.25
28 21 31 00-0759	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,943.19	67.25

28 21 31 00-0760 Video Multiplexer Accessories *(28 21 31 00-0749)*

28 21 31 00-0761	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,394.31	45.93
28 21 31 00-0762	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	823.40	45.93
28 21 31 00-0763	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,328.72	67.25

28 21 31 00-0764 Quad Video Processor *(28 21 31 00-0748)*

28 21 31 00-0765	EA	Monochrome, Quad Video Processor (Pelco QD104M)	721.84	33.63
28 21 31 00-0766	EA	Color, Quad Video Processor (Pelco QD104C)	1,180.40	33.63

28 21 31 00-0767 Switcher *(28 21 31 00-0748)*

28 21 31 00-0768 Terminating Manual Switchers *(28 21 31 00-0767)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0769		**Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0770	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	252.14	26.90
28 21 31 00-0771	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	341.56	26.90
28 21 31 00-0772	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	414.93	26.90
28 21 31 00-0773	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	677.45	26.90
28 21 31 00-0774		**Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0775	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	325.51	26.90
28 21 31 00-0776	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	571.98	26.90
28 21 31 00-0777	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	997.30	26.90
28 21 31 00-0778		**Balanced Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0779	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	434.41	26.90
28 21 31 00-0780	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	794.38	26.90
28 21 31 00-0781		**Looping Manual Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0782		**Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0783	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	281.94	26.90
28 21 31 00-0784	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	386.27	26.90
28 21 31 00-0785	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	491.73	26.90
28 21 31 00-0786	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	809.29	26.90
28 21 31 00-0787		**Audio Follow, Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0788	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	350.73	26.90
28 21 31 00-0789	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	610.96	26.90
28 21 31 00-0790	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	837.95	26.90
28 21 31 00-0791		**Balanced Audio Follow, Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	465.37	26.90
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	841.39	26.90
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,058.06	26.90
28 21 31 00-0795		**Sequential Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0796		**Single Output, Sequential Switchers** *(28 21 31 00-0795)*		
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	492.88	26.90
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	733.63	26.90
28 21 31 00-0799		**Dual Outputs, Sequential Switchers** *(28 21 31 00-0795)*		
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	615.55	26.90
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	851.70	26.90
28 21 31 00-0802		**Controls** *(28 21 31 00-0748)*		
28 21 31 00-0803		**Direct/Multi-Cable Controls** *(28 21 31 00-0802)*		
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT)	427.99	67.25
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	456.65	67.25
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	505.94	67.25
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	528.87	67.25
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	831.52	67.25
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	915.21	67.25
28 21 31 00-0810		**Coaxitron Controls** *(28 21 31 00-0802)*		
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	610.17	45.93
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,150.13	45.93
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,304.89	45.93
28 21 31 00-0814		**Digital Controls** *(28 21 31 00-0802)*		
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	817.67	45.93
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,382.84	45.93
28 21 31 00-0817		**Lock Boxes** *(28 21 31 00-0748)*		
28 21 31 00-0818	EA	VCR Lock Box (Pelco LB1000)	500.97	50.44
		For Wall Mount, Add	*165.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0819	EA	Computer Disk Drive Lock Box (Pelco LB2000)	512.44	50.44
28 21 31 00-0820	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	936.61	50.44
28 21 31 00-0821		Test And Certification Of Surveillance Camera System *(28 21 31)*		
28 21 31 00-0822	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	1,068.31	
28 21 31 00-0823	HR	Test And Certification Of Surveillance Camera System	333.85	
28 21 31 00-0824		Programming Of Surveillance Camera System *(28 21 31)*		
28 21 31 00-0825	HR	Programming Of Surveillance Camera (CCTV) System	267.08	
28 21 31 00-0826		Removal And Reinstallation Of Cameras *(28 21 31)* Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827	EA	Removal And Reinstallation Of Camera System	605.27	

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 41 Radiation Detection and Alarm *(28 40)*

28 41 15 Radiation Detection Sensors *(28 41)*

28 41 15 00-0001		Wall Mount, Battery Operated, Home Radon Detector *(28 41 15)* Note: Long term and 7 day average display.		
28 41 15 00-0002	EA	Wall Mount, Battery Operated, Home Radon Detector	213.99	

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001		Monitoring System For Underground Tanks *(28 42 11)*		
28 42 11 00-0002		Continuous Leak Detection System *(28 42 11 00-0001)* Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	9,177.84	550.66
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	12,382.40	734.66
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	17,500.75	787.04
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	18,791.51	1,101.32
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	13,152.93	94.02
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	11,861.20	83.94
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	15,595.88	94.02
28 42 11 00-0010	EA	Tank Leak Detection Probe	4,826.98	20.15
28 42 11 00-0011	EA	Secondary Containment Collar Probe	589.67	8.06
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	1,080.96	16.78
28 42 11 00-0013	EA	Liquid Phase Detection	3,566.95	50.36
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	3,292.75	50.36
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	3,847.52	57.08
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	4,395.94	57.08

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001		Hydrogen Gas Detection *(28 42 15)*		
28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,081.52	50.44
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	111.09	16.81
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	532.42	50.44

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

28 46 13 Fire-Alarm Systems *(28 46)*

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems *(28 46 13)*

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001		Edwards Fire Alarm *(28 46 13 31)*		
28 46 13 31-0002		EST3 Life Safety And Security Control *(28 46 13 31-0001)*		
28 46 13 31-0003		EST3 Network *(28 46 13 31-0002)*		
28 46 13 31-0004		Remote Annunciators *(28 46 13 31-0003)*		
28 46 13 31-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,686.77	100.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,376.11	100.88
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,738.35	100.88
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	1,110.94	100.88
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	205.60	33.63
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	717.12	100.88
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	648.63	100.88
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	807.93	100.88
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	937.65	67.25
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	143.93	33.63
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,996.09	100.88
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,757.13	33.63
28 46 13 31-0017		**Remote Annunciators Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	154.96	33.63
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	141.52	26.90
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	174.43	33.63
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	160.99	26.90
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	192.69	33.63
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	179.25	26.90
28 46 13 31-0024		**Audio And Telephone Masters** *(28 46 13 31-0003)*		
28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,481.61	134.51
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	3,057.21	134.51
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,735.27	134.51
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,890.52	134.51
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,299.58	134.51
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,677.19	67.25
28 46 13 31-0031		**Battery Distribution Unit** *(28 46 13 31-0003)*		
28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	614.51	480.01
28 46 13 31-0033		**Remote Booster Power Supply** *(28 46 13 31-0003)*		
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	959.49	100.88
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,094.31	100.88
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,193.65	100.88
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	158.23	33.63
28 46 13 31-0038		**Batteries And Battery Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 1.2 Ampere Hours)	121.20	33.63
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A 4.5 Ampere Hours)	150.49	33.63
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A 26 Ampere Hours)	352.56	33.63
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 7.2 Ampere Hours)	162.22	33.63
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A 40 Ampere Hours)	446.37	33.63
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A 11 Ampere Hours)	252.18	33.63
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A 50 Ampere Hours)	903.40	33.63
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A 18 Ampere Hours)	258.22	33.63
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A 65 Amp Hours)	1,087.17	33.63
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A 8 Amp Hours)	144.78	33.63
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A 12 Amp Hours)	130.15	33.63
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	461.27	67.25
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	382.39	67.25
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,299.52	134.51
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,610.08	134.51
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,254.07	134.51
28 46 13 31-0055		**Serial Printer** *(28 46 13 31-0003)*		
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	875.87	33.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0057		**Intelligent Analog Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0058		**Detectors, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	277.54	50.44
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	311.63	50.44
28 46 13 31-0061	EA	Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS)	267.38	50.44
28 46 13 31-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	236.91	50.44
28 46 13 31-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	247.07	50.44
28 46 13 31-0064	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	202.93	50.44
28 46 13 31-0065	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	202.93	50.44
28 46 13 31-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	320.70	50.44
28 46 13 31-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	353.98	50.44
28 46 13 31-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	298.91	50.44
28 46 13 31-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	430.99	50.44
28 46 13 31-0070	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	249.61	50.44
28 46 13 31-0071	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	249.61	50.44
28 46 13 31-0072	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	343.29	50.44
28 46 13 31-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	560.62	84.06
28 46 13 31-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	24.61	
28 46 13 31-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	74.16	20.18
28 46 13 31-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	146.67	26.90
28 46 13 31-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	198.23	26.90
28 46 13 31-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	87.85	26.90
28 46 13 31-0080		**Modules, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0081	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	260.86	33.63
28 46 13 31-0082	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	116.47	33.63
28 46 13 31-0083	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	150.80	33.63
28 46 13 31-0084	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	233.68	33.63
28 46 13 31-0085	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	163.75	33.63
28 46 13 31-0086	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	170.87	33.63
28 46 13 31-0087	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	134.60	33.63
28 46 13 31-0088	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	203.28	33.63
28 46 13 31-0089	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	271.19	33.63
28 46 13 31-0090	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	264.37	33.63
28 46 13 31-0091	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	254.21	33.63
28 46 13 31-0092	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	233.15	199.53
28 46 13 31-0093	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	170.90	33.63
28 46 13 31-0094	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	272.30	33.63
28 46 13 31-0095		**Module Accessories, Signature** *(28 46 13 31-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	67.75	16.81
28 46 13 31-0097	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	230.39	33.63
28 46 13 31-0098	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	25.26	10.09
28 46 13 31-0099	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	79.51	16.81
28 46 13 31-0100	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	71.07	16.81
28 46 13 31-0101	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	74.40	16.81
28 46 13 31-0102		**Single Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0103	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	287.49	69.94
28 46 13 31-0104	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	338.45	69.94
28 46 13 31-0105	EA	GA Key - For Pre Signal Station (EST3 276-K2)	39.33	32.60
28 46 13 31-0106	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	49.14	42.41
28 46 13 31-0107	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	75.82	48.91
28 46 13 31-0108		**Double Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0109	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	211.58	69.94
28 46 13 31-0110	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	49.87	6.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0111		**Detector Bases and Accessories, Signature** *(28 46 13 31-0057)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	143.13	16.81
28 46 13 31-0113	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	54.11	16.81
28 46 13 31-0114	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	178.49	16.81
28 46 13 31-0115	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	101.71	16.81
28 46 13 31-0116	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	118.68	16.81
28 46 13 31-0117	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	186.61	16.81
28 46 13 31-0118	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	67.75	16.81
28 46 13 31-0119	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	25.40	10.09
28 46 13 31-0120	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	25.40	10.09
28 46 13 31-0121	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	71.28	10.09
28 46 13 31-0122	EA	Detector Base With Isolator (EST3 SIGA-IB)	116.96	16.81
28 46 13 31-0123	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	124.24	16.81
28 46 13 31-0124	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	67.31	16.81
28 46 13 31-0125	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	104.27	16.81
28 46 13 31-0126	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	44.64	16.81
28 46 13 31-0127		**Controllers, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0128	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,931.43	100.88
28 46 13 31-0129	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,257.09	100.88
28 46 13 31-0130	EA	Signature Loop Controller (EST3 3-SDC1)	2,028.55	100.88
28 46 13 31-0131	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,246.41	100.88
28 46 13 31-0132		**Relays And Accessories** *(28 46 13 31-0057)*		
28 46 13 31-0133	EA	Multi Voltage Relay (EST3 MR101)	211.01	33.63
28 46 13 31-0134	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	63.42	16.81
28 46 13 31-0135		**Notification Appliances** *(28 46 13 31-0002)*		
28 46 13 31-0136		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0135)*		
28 46 13 31-0137	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	173.50	50.44
28 46 13 31-0138	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	173.50	50.44
28 46 13 31-0139	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	197.15	50.44
28 46 13 31-0140	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	146.85	50.44
28 46 13 31-0141	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	146.85	50.44
28 46 13 31-0142	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	146.85	50.44
28 46 13 31-0143	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	146.85	50.44
28 46 13 31-0144	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	124.46	50.44
28 46 13 31-0145	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	124.46	50.44
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	124.46	50.44
28 46 13 31-0147	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	293.69	50.44
28 46 13 31-0148	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	293.69	50.44
28 46 13 31-0149	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	194.27	50.44
28 46 13 31-0150	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	194.27	50.44
28 46 13 31-0151	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	173.50	50.44
28 46 13 31-0152	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	173.50	50.44
28 46 13 31-0153	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	173.50	50.44
28 46 13 31-0154	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	173.50	50.44
28 46 13 31-0155	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	180.15	50.44
28 46 13 31-0156	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	180.15	50.44
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	195.70	50.44
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	180.15	50.44
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	180.15	50.44
28 46 13 31-0160	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	109.90	50.44
28 46 13 31-0161	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	109.90	50.44
28 46 13 31-0162		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0163	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	144.84	50.44
28 46 13 31-0164	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	219.86	50.44
28 46 13 31-0165	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	144.84	50.44
28 46 13 31-0166	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	219.86	50.44
28 46 13 31-0167	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	72.09	26.90
28 46 13 31-0168	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	72.09	26.90
28 46 13 31-0169		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0135)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0170	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	172.05	50.44
28 46 13 31-0171	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	219.86	50.44
28 46 13 31-0172	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	235.00	50.44
28 46 13 31-0173		**Harsh Environment Signals** *(28 46 13 31-0135)*		
28 46 13 31-0174	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	153.43	50.44
28 46 13 31-0175	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	213.14	50.44
28 46 13 31-0176	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	213.14	50.44
28 46 13 31-0177	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	195.39	50.44
28 46 13 31-0178	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	183.59	50.44
28 46 13 31-0179	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	195.39	50.44
28 46 13 31-0180	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	195.39	50.44
28 46 13 31-0181	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	195.39	50.44
28 46 13 31-0182	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	216.16	57.17
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	216.16	57.17
28 46 13 31-0184	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	160.63	50.44
28 46 13 31-0185	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	207.47	50.44
28 46 13 31-0186		**Fire Alarm Bells** *(28 46 13 31-0135)*		
28 46 13 31-0187	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	229.70	50.44
28 46 13 31-0188	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	185.11	50.44
28 46 13 31-0189	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	204.14	50.44
28 46 13 31-0190		**Multiple Tone Signal** *(28 46 13 31-0135)*		
28 46 13 31-0191	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,438.93	1,388.49
28 46 13 31-0192		**Multi-Purpose Loudspeaker** *(28 46 13 31-0135)*		
28 46 13 31-0193	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	300.82	50.44
28 46 13 31-0194	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	300.82	50.44
28 46 13 31-0195		**Bell/Strobe Plate** *(28 46 13 31-0135)*		
28 46 13 31-0196	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	152.36	26.90
28 46 13 31-0197		**Mounting Accessories** *(28 46 13 31-0135)*		
28 46 13 31-0198	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	73.47	26.90
28 46 13 31-0199	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	73.47	26.90
28 46 13 31-0200	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	73.47	26.90
28 46 13 31-0201	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	73.47	26.90
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	73.47	26.90
28 46 13 31-0203		**Firefighters' Telephones** *(28 46 13 31-0135)*		
28 46 13 31-0204	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,293.63	84.06
28 46 13 31-0205	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	730.89	84.06
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	528.24	84.06
28 46 13 31-0207	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	386.96	84.06
28 46 13 31-0208	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	705.67	84.06
28 46 13 31-0209	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	437.38	84.06
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	794.98	84.06
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	454.19	84.06
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	909.34	84.06
28 46 13 31-0213	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	100.97	26.90
28 46 13 31-0214	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	115.60	26.90
28 46 13 31-0215	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	158.98	
28 46 13 31-0216	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	158.98	
28 46 13 31-0217	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	242.82	33.63
28 46 13 31-0218	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	301.05	33.63
28 46 13 31-0219	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	213.70	33.63
28 46 13 31-0220	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	205.14	33.63
28 46 13 31-0221	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	154.08	50.44
28 46 13 31-0222	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,333.53	67.25
28 46 13 31-0223		**Mass Notification EC Appliances** *(28 46 13 31-0135)*		
28 46 13 31-0224	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	180.20	50.44
28 46 13 31-0225	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	174.15	50.44
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	180.20	50.44
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	174.15	50.44
28 46 13 31-0228	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	27.41	10.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0229		Hazardous Location Devices *(28 46 13 31-0002)*		
28 46 13 31-0230		Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location *(28 46 13 31-0229)*		
28 46 13 31-0231	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	157.17	50.44
28 46 13 31-0232	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	157.17	50.44
28 46 13 31-0233	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	163.24	50.44
28 46 13 31-0234	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	163.24	50.44
28 46 13 31-0235	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	219.30	50.44
28 46 13 31-0236	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	219.30	50.44
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	163.24	50.44
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	163.24	50.44
28 46 13 31-0239		Hazardous Locations Fire Alarm Station *(28 46 13 31-0229)*		
28 46 13 31-0240	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,369.93	84.06
28 46 13 31-0241	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,304.63	84.06
28 46 13 31-0242		Hazardous Location Strobes *(28 46 13 31-0229)*		
28 46 13 31-0243	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,027.66	50.44
28 46 13 31-0244	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	379.28	16.81
28 46 13 31-0245	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	495.98	20.18
28 46 13 31-0246	EA	Pendant Mounting Module (EST3 116EX-P)	364.57	20.18
28 46 13 31-0247		Hazardous Location Bells *(28 46 13 31-0229)*		
28 46 13 31-0248	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,464.80	50.44
28 46 13 31-0249	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,502.60	50.44
28 46 13 31-0250	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,516.21	50.44
28 46 13 31-0251		Hazardous Location Horns *(28 46 13 31-0229)*		
28 46 13 31-0252	EA	Hazardous Location Horns (EST3 888D-N5)	1,432.23	50.44
28 46 13 31-0253	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,170.66	50.44
28 46 13 31-0254		Door Holders And Relays *(28 46 13 31-0002)*		
28 46 13 31-0255		Electromagnetic Door Holders *(28 46 13 31-0254)*		
28 46 13 31-0256	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	260.85	50.44
28 46 13 31-0257	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	336.71	50.44
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	222.11	50.44
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	222.11	50.44
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	225.62	50.44
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	228.95	50.44
28 46 13 31-0262		Control Relays, Multi-Voltage *(28 46 13 31-0254)*		
28 46 13 31-0263	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	52.73	10.09
28 46 13 31-0264		FireShield Plus *(28 46 13 31-0002)*		
28 46 13 31-0265		3 Zone System *(28 46 13 31-0264)*		
28 46 13 31-0266	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,426.72	403.52
28 46 13 31-0267	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	2,073.59	538.02
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,426.72	403.52
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	2,073.59	538.02
28 46 13 31-0270	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	99.00	16.81
28 46 13 31-0271	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	99.00	16.81
28 46 13 31-0272		5 Zone System *(28 46 13 31-0264)*		
28 46 13 31-0273	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,532.52	403.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0274	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,173.34	538.02
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,532.52	403.52
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,173.34	538.02
28 46 13 31-0277	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	99.00	16.81
28 46 13 31-0278	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	99.00	16.81
28 46 13 31-0279		**10 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,209.62	538.02
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,856.50	672.52
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,164.28	538.02
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,856.50	672.52
28 46 13 31-0284	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	115.37	16.81
28 46 13 31-0285	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	211.19	33.63
28 46 13 31-0286		**FireShield Plus Off Premise Communication Options** *(28 46 13 31-0264)*		
28 46 13 31-0287	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	460.22	33.63
28 46 13 31-0288		**FireShield Plus Remote LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0289	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	198.97	50.44
28 46 13 31-0290	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	198.97	50.44
28 46 13 31-0291	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	206.68	50.44
28 46 13 31-0292	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	39.84	10.09
28 46 13 31-0293	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	49.71	10.09
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	73.41	10.09
28 46 13 31-0295		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0296	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	614.77	50.44
28 46 13 31-0297	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	675.23	50.44
28 46 13 31-0298	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	218.39	33.63
28 46 13 31-0299		**FireShield Plus Remote Relays And Interfaces** *(28 46 13 31-0264)*		
28 46 13 31-0300	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	230.73	33.63
28 46 13 31-0301	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	96.04	20.18
28 46 13 31-0302	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	366.51	33.63
28 46 13 31-0303		**FireShield Plus Accessories** *(28 46 13 31-0264)*		
28 46 13 31-0304	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	21.65	
28 46 13 31-0305	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	13.38	
28 46 13 31-0306		**iO Series Fire Control Panels** *(28 46 13 31-0002)*		
28 46 13 31-0307		**Intelligent Analog Control Panels** *(28 46 13 31-0306)*		
28 46 13 31-0308	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	4,286.18	672.52
28 46 13 31-0309	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,579.40	672.52
28 46 13 31-0310	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,421.70	538.02
28 46 13 31-0311	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,557.73	538.02
28 46 13 31-0312		**Option Modules And Accessories For iO Series** *(28 46 13 31-0306)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0313	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	403.17	50.44
28 46 13 31-0314	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	252.02	50.44
28 46 13 31-0315	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	252.02	50.44
28 46 13 31-0316	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	218.39	33.63
28 46 13 31-0317	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	446.78	26.90
28 46 13 31-0318	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	809.53	26.90
28 46 13 31-0319	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	97.11	16.81
28 46 13 31-0320	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	112.22	16.81
28 46 13 31-0321	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,494.80	67.25
28 46 13 31-0322		**Remote Annunciators For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0323	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	818.80	50.44
28 46 13 31-0324	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	856.60	50.44
28 46 13 31-0325		**Remote Annunciator Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0326	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	94.09	16.81
28 46 13 31-0327	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	63.86	16.81
28 46 13 31-0328	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	86.52	16.81
28 46 13 31-0329	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	252.02	50.44
28 46 13 31-0330	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	289.80	50.44
28 46 13 31-0331	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	327.60	50.44
28 46 13 31-0332	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	63.86	16.81
28 46 13 31-0333	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	63.86	16.81
28 46 13 31-0334	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	129.90	16.81
28 46 13 31-0335		**System Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0336	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	461.27	67.25
28 46 13 31-0337	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	2,107.44	538.02
28 46 13 31-0338		**Conventional Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0339		**Detectors, Heat, Double Pole** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	182.33	50.44
28 46 13 31-0341	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	182.33	50.44
28 46 13 31-0342	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	182.33	50.44
28 46 13 31-0343	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	182.33	50.44
28 46 13 31-0344		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0338)*		
28 46 13 31-0345	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	113.41	50.44
28 46 13 31-0346	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	300.89	26.90
28 46 13 31-0347	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	96.70	33.63
28 46 13 31-0348		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	170.70	50.44
28 46 13 31-0350	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	170.70	50.44
28 46 13 31-0351		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0002)*		
28 46 13 31-0352		**Audio Notification Panels** *(28 46 13 31-0351)*		
28 46 13 31-0353	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,834.03	672.52
28 46 13 31-0354	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,834.03	672.52
28 46 13 31-0355	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,367.94	672.52
28 46 13 31-0356	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,367.94	672.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0357	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	5,093.42	672.52
28 46 13 31-0358	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	5,093.42	672.52
28 46 13 31-0359		**Audio Notification Expander Panels** *(28 46 13 31-0351)*		
28 46 13 31-0360	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,488.85	672.52
28 46 13 31-0361	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,488.85	672.52
28 46 13 31-0362	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	3,068.10	672.52
28 46 13 31-0363	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	3,068.10	672.52
28 46 13 31-0364	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,899.39	672.52
28 46 13 31-0365	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,899.39	672.52
28 46 13 31-0366		**Audio Notification Output Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0367	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	169.66	16.81
28 46 13 31-0368	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	747.40	33.63
28 46 13 31-0369	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	747.40	33.63
28 46 13 31-0370	EA	Class A Converter (GE ANSZSC4A)	535.80	33.63
28 46 13 31-0371		**Audio Notification Remote Microphone** *(28 46 13 31-0351)*		
28 46 13 31-0372	EA	Microphone (GE ANSMIKE)	203.28	33.63
28 46 13 31-0373	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	822.97	33.63
28 46 13 31-0374	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	822.97	33.63
28 46 13 31-0375	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	184.77	16.81
28 46 13 31-0376	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	101.63	16.81
28 46 13 31-0377		**Audio Notification Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0378	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	339.31	33.63
28 46 13 31-0379	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	339.31	33.63
28 46 13 31-0380	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	339.31	33.63
28 46 13 31-0381	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	747.40	33.63
28 46 13 31-0382		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0351)*		
28 46 13 31-0383	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,719.07	67.25
28 46 13 31-0384	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,855.10	67.25
28 46 13 31-0385	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	3,943.33	67.25
28 46 13 31-0386	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,494.80	67.25
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,494.80	67.25
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,719.07	67.25
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,174.95	67.25
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,310.98	67.25
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,399.21	67.25
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	169.66	16.81
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	125.89	16.81
28 46 13 31-0394		**EST4 Life Safety And Security Control** *(28 46 13 31-0001)*		
28 46 13 31-0395		**Audio Units And Interfaces** *(28 46 13 31-0394)*		
28 46 13 31-0396	EA	Annunciator, Audio And Telephone Interface Module (EST4 4-ANNAUDTEL)	351.29	100.88
28 46 13 31-0397	EA	Audio And Telephone Interface/Riser Module (EST4 4-AUDTELS)	665.36	33.63
28 46 13 31-0398	EA	Firefighter Master Handset (EST4 4-FT)	661.57	84.06
28 46 13 31-0399	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	612.99	100.88
28 46 13 31-0400	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	682.61	100.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0401	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	736.48	100.88
28 46 13 31-0402	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate (EST4 4-LCDAUDTELCAB-MPLT) Note: For CAB7, CAB14, CAB21, 4-16ANNMT and 4-24ANNMT applications	861.77	100.88
28 46 13 31-0403	EA	Paging Microphone (EST4 4-MIC)	691.83	33.63
28 46 13 31-0404		**Cabinets And Chassis** *(28 46 13 31-0394)*		
28 46 13 31-0405	EA	Battery Shelf For RCCxx Series Cabinets (EST4 3-BATS) Note: Takes one chassis space in a RCC cabinet. Provides space for up to one 65AH battery.	60.07	10.31
28 46 13 31-0406	EA	Battery Distribution Module (EST4 3-BTSEN)	494.04	134.51
28 46 13 31-0407	EA	Wallbox With 2 Chassis Spaces (EST4 3-CAB14B)	623.97	50.44
28 46 13 31-0408	EA	Wallbox With 3 Chassis Spaces (EST4 3-CAB21B)	762.13	50.44
28 46 13 31-0409	EA	Backbox, Black (EST4 3-CAB5B) Note: Supports five Local Rail Modules.	302.74	50.44
28 46 13 31-0410	EA	Wallbox With 1 Chassis Space (EST4 3-CAB7B)	426.61	50.44
28 46 13 31-0411	EA	3-CAB - Seismic Battery Hold Down For 3-CAB 7, 14 Or 21 (EST4 3-CABEQ) Note: Supports two 12V batteries from 10 Amp hrs up to 18 Ahrs. Comes with EST3 Chassis hardening hardware and instructions	319.29	13.45
28 46 13 31-0412	EA	Chassis Assembly (EST4 3-CHAS7) Note: Fits in any Lobby or Remote Closet Cabinet except CAB5 Series. Provides space for up to seven LRMs. Rear space for up to two power supplies.	475.92	50.44
28 46 13 31-0413	EA	Remote Closet Enclosure, Red (EST4 3-RCC14R)	1,142.40	134.51
28 46 13 31-0414	EA	Remote Closet Enclosure, Red (EST4 3-RCC21R)	1,561.79	134.51
28 46 13 31-0415	EA	Remote Closet Enclosure, Red (EST4 3-RCC7R)	940.14	134.51
28 46 13 31-0416	EA	3-RCC Series Cabinet, Seismic Battery Hold Down For 3-RCC1XXR Series (EST4 3-RCCEQ50) Note: Supports one set of 50 Amp hr (two batteries). Order 3-RCC14R or 3-RCC21R separately.	478.05	168.13
28 46 13 31-0417	EA	3-RCC Series Cabinet, Seismic Battery Hold Down (EST4 3-RCCEQ65) Note: Supports one set of 65 Ahr (two batteries) batteries (one battery in bottom of cabinet, one battery mounted on 3-BATS. Order 3-RCCxxR cabinet and 3-BATS separately.	920.98	168.13
28 46 13 31-0418	EA	Tamper Switch For CAB5 Series Cabinets (EST4 3-TAMP5)	126.53	33.63
28 46 13 31-0419	EA	Tamper Switch For 3-RCC Cabinets (EST4 3-TAMPRCC)	126.53	33.63
28 46 13 31-0420	EA	Mounting Bracket (EST4 4-BRKT-CB) Note: Provides space for mounting any one of 4-ANNCPU, 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. Mounts on the back plane of a 3-CHAS7 or on the back plane of a 3-ASU chassis in retrofit applications.	89.18	16.81
28 46 13 31-0421	EA	Mounting Bracket (EST4 4-BRKT-CS) Note: Provides space for mounting any one of 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. The bracket mounts to the side of a 3-CHAS7.	89.18	16.81
28 46 13 31-0422	EA	Door Assembly, Bronze (EST4 4-CAB16D) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	583.33	10.09
28 46 13 31-0423	EA	Door Assembly, Red (EST4 4-CAB16DR) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	583.33	10.09
28 46 13 31-0424	EA	Door Assembly, Bronze (EST4 4-CAB24D) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	720.44	10.09
28 46 13 31-0425	EA	Door Assembly, Bronze (EST4 4-CAB24DL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	823.30	10.09
28 46 13 31-0426	EA	Door Assembly, Red (EST4 4-CAB24DR) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	721.31	10.09
28 46 13 31-0427	EA	Door Assembly, Red (EST4 4-CAB24DRL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	823.30	10.09
28 46 13 31-0428	EA	Door Assembly, Bronze (EST4 4-CAB8D) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	410.59	10.09
28 46 13 31-0429	EA	Door Assembly, Red (EST4 4-CAB8DR) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	410.59	10.09
28 46 13 31-0430	EA	Replacement Hinge Assembly For CAB21 (EST4 4-HNG21)	79.84	
28 46 13 31-0431	EA	Replacement Hinge Assembly For CAB7 Or 14 (EST4 4-HNG714)	79.84	
28 46 13 31-0432	EA	Replacement Door Lock And Two Keys (EST4 4-LOCK2KEY)	164.34	
28 46 13 31-0433	EA	Mounting Plate (EST4 4-MPLT) Note: Mounts in chassis or battery space	220.36	16.81
28 46 13 31-0434	EA	Tamper Switch For 3-CAB7B, 3-CAB14B And 3-CAB21B Cabinets With 4-CABXXD Series Doors (EST4 4-TAMP) Note: Mounts to side of cabinet.	118.44	33.63
28 46 13 31-0435	EA	Battery Cabinet, Black Backbox, Bronze Door (EST4 BC-1) Note: Supports up to 40AH batteries	324.83	67.25
28 46 13 31-0436	EA	Seismic Battery Hold Down For BC-1 (EST4 BC-1EQ) Note: Supports up to two 40 Ahr batteries. Order BC-1 or BC-1R Separately.	162.26	13.45
28 46 13 31-0437	EA	Battery Cabinet, Black Backbox, Red Door (EST4 BC-1R) Note: Supports up to 40AH batteries.	324.83	67.25
28 46 13 31-0438	EA	8" x 14 x 3-1/2" Multi-Function Enclosure, Red (EST4 MFC-A)	223.61	67.25
28 46 13 31-0439		**Central Processing Unit** *(28 46 13 31-0394)*		
28 46 13 31-0440	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	712.93	100.88
28 46 13 31-0441	EA	Cable (EST4 4-CABL0542) Note: Interconnects the 4-CPU to the inner door rail when no 4-LCD display is installed in the cabinet.	132.64	16.81
28 46 13 31-0442	EA	Cable, USB 3.0 A-B, Male, Long (EST4 4-CABLUSBLG)	82.00	16.81
28 46 13 31-0443	EA	Common Relay Module (EST4 4-COMREL)	85.14	16.81
28 46 13 31-0444	EA	Central Processor Module (EST4 4-CPU)	1,323.22	100.88
28 46 13 31-0445	EA	EST4 Software License, 1 Seat (EST4 4-CUSWL)	640.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0446		**Control Display Modules** *(28 46 13 31-0394)*		
28 46 13 31-0447	EA	Control Display Module With 24 Indicators (EST4 4-24L)	474.43	100.88
28 46 13 31-0448	EA	Control Display Module With 24 Indicators And 12 Switches (EST4 4-24L12S)	576.67	100.88
28 46 13 31-0449	EA	Control Display Module With 24 Indicators And 18 Switches (EST4 4-24L18S)	576.67	100.88
28 46 13 31-0450	EA	Control Display Module With 24 Indicators And 24 Switches (EST4 4-24L24S)	591.19	100.88
28 46 13 31-0451	EA	Blank Filler Plate (EST4 4-FIL)	36.49	16.81
28 46 13 31-0452		**Liquid Crystal Display (LCD) Modules** *(28 46 13 31-0394)*		
28 46 13 31-0453	EA	LCD Display For EST3 Panels (EST4 4-3LCD) Note: Allows reuse of EST3 UI layer in retrofit applications. The 4-3LCD can be mounted in remote closet cabinets where an LCD display is needed. The display mounts on the 4-CPU module.	874.64	100.88
28 46 13 31-0454	EA	LCD With Cable For Annunciator Enclosure 4-4ANN, 4-6ANN Mounting (EST4 4-LCDANN)	866.97	100.88
28 46 13 31-0455	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	612.99	100.88
28 46 13 31-0456	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	682.61	100.88
28 46 13 31-0457	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	736.48	100.88
28 46 13 31-0458	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate For CAB7, CAB14, CAB21, 4-16ANNMT And 4-24ANNMT Applications (EST4 4-LCDAUDTELCAB-MPLT)	861.77	100.88
28 46 13 31-0459	EA	LCD With Cable For 3-CAB5B, 7B, 14B, 21B, 4-8ANN, 16ANN And 24ANN Mounting (EST4 4-LCDLE)	865.01	100.88
28 46 13 31-0460		**Network Accessories** *(28 46 13 31-0394)*		
28 46 13 31-0461	EA	Firewall (EST4 4-FWAL1) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	448.69	
28 46 13 31-0462	EA	Firewall W/DACT (EST4 4-FWAL2) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	530.83	
28 46 13 31-0463	EA	Firewall W/EMAIL (EST4 4-FWAL3) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	508.39	
28 46 13 31-0464	EA	Firewall W/DACT/ EMAIL/DIAG (EST4 4-FWAL4) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	1,472.85	
28 46 13 31-0465	EA	SFP Network Firewall Adapter, CAT5 UTP Copper, 100Base-TX, 100 Mbps (EST4 4-FWAL-CAT)	319.85	33.63
28 46 13 31-0466	EA	SFP Network Firewall Adapter, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-FWAL-MM)	416.98	33.63
28 46 13 31-0467	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-FWAL-SM)	1,017.71	33.63
28 46 13 31-0468	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-FWAL-SMD) Note: Works with 4-FWAL-SMU	1,230.21	33.63
28 46 13 31-0469	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-FWAL-SMH)	1,326.72	33.63
28 46 13 31-0470	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-FWAL-SMU) Note: Works with 4-FWAL-SMD	1,230.21	33.63
28 46 13 31-0471	EA	Network Adder Module (EST4 4-NET-AD)	618.90	33.63
28 46 13 31-0472	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	490.29	100.88
28 46 13 31-0473	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	613.21	100.88
28 46 13 31-0474	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,319.96	100.88
28 46 13 31-0475	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,569.94	100.88
28 46 13 31-0476	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,683.49	100.88
28 46 13 31-0477	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx Note: Works with 4-NET-SMD	1,569.94	100.88
28 46 13 31-0478	EA	SFP Network Controller, 2Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	490.29	100.88
28 46 13 31-0479	EA	SFP Network Controller, 0.3Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	696.16	100.88
28 46 13 31-0480	EA	Network Extender Module (EST4 4-NET-XT) Note: Mounts to DIN rail on 4-MPLT ordered separately	2,160.63	33.63
28 46 13 31-0481	EA	4-USBHUB Multi-port USB Hub Module (EST4 4-USBHUB) Note: Mounts in a ½ footprint module space and provides isolated RS-232 USB and terminal block connections for RS-232 to CDR connections.	515.83	33.63
28 46 13 31-0482	EA	Coder, PSNI (EST4 CDR-3) Note: Positive, non-interfering, successive and march time codes PSNI code out (relay & tone outputs). March time out (relay & tone outputs). Connects to RS-232 serial port. Requires 1/2 size cabinet footprint and 24 VDC power.	598.32	33.63
28 46 13 31-0483	EA	Field Server Bridge Bracket For FSB-PC2 Or FSB-PCLW (EST4 FSB-BRKT2)	86.70	16.81
28 46 13 31-0484	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4) Note: Mounts on FSB-BRKT2, ordered separately.	2,244.84	33.63
28 46 13 31-0485	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4LW) Note: Mounts on FSB-BRKT2, ordered separately.	2,244.84	33.63
28 46 13 31-0486	EA	Ground Fault Detection Module (EST4 GFD) Note: One required for every two 3-NSHM1/2s.	329.72	16.81
28 46 13 31-0487	EA	Isolator Module, RS232 (EST4 IOP3A) Note: For use with short haul modems, VDU-3, CCA Series, CGP Series and FCOM-232, requires 1/2 size cabinet footprint.	1,695.69	538.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0488	EA	MN-FVPN, MN-ABPM, MN-PASM2, MN-COM1S, MN-NETRLY4 And/Or MN-FNS(4)(8) Series Switch Mounting Bracket For EST3 Enclosures (EST4 MN-BRKT1F)	257.45	16.81
28 46 13 31-0489	EA	24 VDC, 4 Fast Ethernet (RJ45), 2 GB SFP, Layer 3 Lite (EST4 MN-FNS4C2F3)	2,893.68	134.51
28 46 13 31-0490	EA	MN-FNS4 Series Switch Holder Bracket (EST4 MN-FNS4HDK1) Note: Used with MN-BRKT Series. One required per switch.	129.74	16.81
28 46 13 31-0491	EA	Desk Top Style, System Printer (EST4 PT-1S)	1,076.84	33.63
28 46 13 31-0492		**Power Supplies** *(28 46 13 31-0394)*		
28 46 13 31-0493	EA	Primary Power Supply With Local Rail Module 120-240V 50/60 Hz (EST4 4-PPS/M)	1,056.75	16.81
28 46 13 31-0494		**Remote Annunciators** *(28 46 13 31-0394)*		
28 46 13 31-0495	EA	LED/SWITCH Driver Module Assembly (EST4 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	724.85	100.88
28 46 13 31-0496	EA	Plastic Mounting Extrusion (EST4 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	129.51	33.63
28 46 13 31-0497	EA	Power Supply Assembly (EST4 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	603.39	100.88
28 46 13 31-0498	EA	16 Slots (2 rows of 8), Bronze Annunciator (EST4 4-16ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-16ANNMT (Surface mount) or 3-CAB7B (semi-flush mount), required network Controllers 4-NET-XX series, end user interfaces and required filler plates separately.	1,256.38	100.88
28 46 13 31-0499	EA	Surface Mount Wall Box Assembly For Eight Wide By Two High Annunciators (16 spaces) (EST4 4-16ANNMT)	330.45	26.90
28 46 13 31-0500	EA	24 slots (3 rows of 8), Bronze Annunciator (EST4 4-24ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall mounting assembly 4-24ANNMT, required network Controllers 4-NET-XX series, and End User interfaces and required filler plates separately.	1,349.26	100.88
28 46 13 31-0501	EA	Surface Mount Wallbox Assembly For Eight Wide By Three High Annunciator (24 spaces) (EST4 4-24ANNMT)	439.58	26.90
28 46 13 31-0502	EA	LCD Annunciator (EST4 4-2ANN) Note: Comes with 4-LCDANN color touchscreen display, 4-ANNCPU, bronze outer door and black inner door. Order wallbox assembly model 4-2ANNMT and required network Controllers 4-NET-XX separately	1,537.78	100.88
28 46 13 31-0503	EA	Mounting Assembly For 4-2ANN, Two Wide Annunciator (EST4 4-2ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	186.68	50.44
28 46 13 31-0504	EA	Bronze Annunciator (EST4 4-4ANN) Note: Supports 4 slots (1 row of 4). Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-4ANNMT, required network controllers 4-NET-XX series, any user interfaces and filler plates separately.	895.72	100.88
28 46 13 31-0505	EA	Mounting Assembly For 4-4ANN, Four Wide annunciator (EST4 4-4ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	260.25	50.44
28 46 13 31-0506	EA	Bronze Annunciator, 6 Slots (1 row of 6) (EST4 4-6ANN) Note: Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-6ANNMT, required network Controllers 4-NET-XX series, any user interfaces and required filler plates separately.	931.58	100.88
28 46 13 31-0507	EA	Mounting Assembly For 4-6ANN, Six Wide Annunciator (EST4 4-6ANNMT) Note: Supports surface or semiflush mounting. Comes with wallbox, surface mounting plastic fillers and semi-flush trip.	297.28	50.44
28 46 13 31-0508	EA	Bronze Annunciator, 8 Slots (2 rows of 4) (EST4 4-8ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-8ANNMT (surface mounting), or 3-CAB5B (Semi-flush mounting) required network Controllers 4-NET-XX series, End User interfaces and required filler plates separately.	1,077.74	100.88
28 46 13 31-0509	EA	Mounting Assembly For 4-8ANN, Four Wide x Two Row High Annunciator (EST4 4-8ANNMT) Note: Supports surface mounting.	377.52	50.44
28 46 13 31-0510	EA	Security Kit (EST4 4-ANNSK) Note: Provides a keyless door latch that allows access to LCD and switches, used for security applications where the display needs to be accessed without the need for a tool to unlock the door for arming, disarming, bypass applications within the protected space.	40.00	
28 46 13 31-0511	EA	Graphic Annunciator Central Processor Module (EST4 4-CPUGRPH)	1,502.65	100.88
28 46 13 31-0512	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	490.29	100.88
28 46 13 31-0513	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	613.21	100.88
28 46 13 31-0514	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,319.96	100.88
28 46 13 31-0515	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,569.94	100.88
28 46 13 31-0516	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,683.49	100.88
28 46 13 31-0517	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-NET-SMU) Note: Works with 4-NET-SMD	1,569.94	100.88
28 46 13 31-0518	EA	SFP Network Controller, 2 Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	490.29	100.88
28 46 13 31-0519	EA	SFP Network Controller, 0.3 Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	696.16	100.88
28 46 13 31-0520		**Miscellaneous** *(28 46 13 31-0394)*		
28 46 13 31-0521	EA	Service Replacement Bronze Annunciator Door (EST4 4-2ANND) Note: For 4-2ANN annunciators includes the inner and outer doors.	224.79	
28 46 13 31-0522	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-2ANNFA) Note: For 4-2ANN annunciators	82.60	
28 46 13 31-0523	EA	Service Replacement Bronze Annunciator Door (EST4 4-4ANND) Note: For 4-4ANN annunciators includes the inner and outer doors.	243.66	
28 46 13 31-0524	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4ANNFA) Note: For 4-4ANN annunciators.	116.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0525	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4X2ANNFA) Note: For 4-8ANN annunciators and 4-CAB5D door assemblies.	179.79	
28 46 13 31-0526	EA	Service Replacement Bronze Annunciator Door (EST4 4-6ANND) Note: For 4-6ANN annunciators, includes the inner and outer door	272.02	
28 46 13 31-0527	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-6ANNFA) Note: For 4-6ANN annunciators.	134.93	
28 46 13 31-0528	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-8ANNFA) Note: For 4-CAB16D and 4-CAB21D(L) door assemblies.	179.79	
28 46 13 31-0529	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	712.93	100.88
28 46 13 31-0530	EA	Service Replacement Cable, 4-LCD To 4-CPU Flex Interconnect Cable (EST4 4-CABL0502) Note: For CAB5, 7, 14, 21.	116.24	
28 46 13 31-0531	EA	Service Replacement Cable, 4-LCD To 4-ANNCPU Cable (EST4 4-CABL0504) Note: For use in 4-2ANN, 4ANN, 6ANN annunciator configuration.	105.02	
28 46 13 31-0532	EA	Chassis To Door Rail Cable (EST4 4-CABL0505) Note: For 4-CAB16D, 4-CAB24D or 4-CAB24DL use when no LCD display is required.	94.94	10.09
28 46 13 31-0533	EA	Chassis To Door Rail Cable (EST4 4-CABL0507) Note: For 4-CAB8D when no LCD is required.	94.94	10.09
28 46 13 31-0534	EA	Cable, 4-LCDAUDTEL To 4-ANNCPU (EST4 4-CABL0509) Note: For 4-MPLT for CAB7, CAB14, or CAB21	102.61	10.09
28 46 13 31-0535	EA	Service Replacement Cable, 4-3LCD To 4-CPU Cable (EST4 4-CABL0541) Note: For use in 3-CAB5B, 7B, 14B, 21B, RCC series.	101.38	
28 46 13 31-0536	EA	Cable, USB 3.0 A-B, Male, Short (EST4 4-CABLUSBSM)	50.09	10.09
28 46 13 31-0537	EA	Window Replacement (EST4 4-CABWIN16/24) Note: For 4-CAB16D and 4-CAB24D doors	258.23	
28 46 13 31-0538	EA	Main Color Touchscreen LCD Display (EST4 4-LCD)	799.87	100.88
28 46 13 31-0539	EA	Power Limited Label (EST4 4-PL0457) Note: For EST3 updates.	23.94	6.72

28 46 13 31-0540 Zone Audio Amplifiers *(28 46 13 31-0394)*

28 46 13 31-0541	EA	Zoned Amplifier, 20 Watt, Class A/B (EST4 3-ZA20A) Note: 20 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	828.57	26.90
28 46 13 31-0542	EA	Zoned Amplifier, 20 Watt, Class B (EST4 3-ZA20B) Note: 20 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	764.39	26.90
28 46 13 31-0543	EA	Zoned Amplifier, 40 Watt, Class A/B (EST4 3-ZA40A) Note: 40 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	1,020.95	26.90
28 46 13 31-0544	EA	Zoned Amplifier, 40 Watt, Class B (EST4 3-ZA40B) Note: 40 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	940.02	26.90
28 46 13 31-0545	EA	Zoned Amplifier, 95 Watt, Class B (EST4 3-ZA95) Note: 95 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 2 LRM spaces. Supports two user interface modules.	1,964.39	26.90

28 46 13 31-0546 Simplex Fire Alarm *(28 46 13 31)*

28 46 13 31-0547 4100 Fire Alarm Control Panel *(28 46 13 31-0546)*

28 46 13 31-0548	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	7,268.51	671.53
28 46 13 31-0549	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,924.93	671.53
28 46 13 31-0550	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,362.91	671.53
28 46 13 31-0551	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	4,688.93	671.53
28 46 13 31-0552	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	3,687.85	671.53
28 46 13 31-0553	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,300.29	167.89
28 46 13 31-0554	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	481.09	33.58
28 46 13 31-0555	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,376.85	33.58

28 46 13 31-0556 4100U Back Box *(28 46 13 31-0546)*

28 46 13 31-0557	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,392.59	134.31
28 46 13 31-0558	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,366.51	134.31

28 46 13 31-0559 DACT (Digital Alarm Communicator Transmitter) *(28 46 13 31-0546)*

28 46 13 31-0560	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,309.63	67.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0561		**4010 Fire Alarm Control Panel** *(28 46 13 31-0546)*		
28 46 13 31-0562	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,866.10	671.53
28 46 13 31-0563	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,666.49	671.53
28 46 13 31-0564	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	248.41	33.58
28 46 13 31-0565	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,072.90	33.58
28 46 13 31-0566	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,474.49	33.58
28 46 13 31-0567	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	758.39	33.58
28 46 13 31-0568	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	820.56	33.58
28 46 13 31-0569	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	308.81	33.58
28 46 13 31-0570		**Printer** *(28 46 13 31-0546)*		
28 46 13 31-0571	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,373.76	33.58
28 46 13 31-0572		**NAC Panel / Power Booster** *(28 46 13 31-0546)*		
28 46 13 31-0573	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,541.88	167.89
28 46 13 31-0574		**Battery** *(28 46 13 31-0546)*		
28 46 13 31-0575	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	960.85	33.58
28 46 13 31-0576	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	638.79	33.58
28 46 13 31-0577	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	230.87	33.58
28 46 13 31-0578		**Interface Modules** *(28 46 13 31-0546)*		
28 46 13 31-0579	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	186.61	33.58
28 46 13 31-0580	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	385.40	33.58
28 46 13 31-0581	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	92.95	33.58
28 46 13 31-0582	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	188.80	33.58
28 46 13 31-0583	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	84.08	16.78
28 46 13 31-0584	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	79.88	16.78
28 46 13 31-0585		**Pull Stations** *(28 46 13 31-0546)*		
28 46 13 31-0586	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	229.25	33.58
28 46 13 31-0587	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	163.97	33.58
28 46 13 31-0588	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	176.58	33.58
28 46 13 31-0589	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	158.28	33.58
28 46 13 31-0590	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	185.01	33.58
28 46 13 31-0591	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	281.06	33.58
28 46 13 31-0592	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	235.51	33.58
28 46 13 31-0593	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	277.61	33.58
28 46 13 31-0594	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	128.89	33.58
28 46 13 31-0595	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	136.59	33.58
28 46 13 31-0596	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	161.40	33.58
28 46 13 31-0597	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	251.56	33.58
28 46 13 31-0598	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	435.95	33.58
28 46 13 31-0599	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	142.92	33.58
28 46 13 31-0600	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	88.31	16.78
28 46 13 31-0601		**Weatherproof Pull Stations** *(28 46 13 31-0546)*		
28 46 13 31-0602	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	223.72	40.29
28 46 13 31-0603	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	144.23	16.78
28 46 13 31-0604		**Heat / Smoke Sensor** *(28 46 13 31-0546)*		
28 46 13 31-0605	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	224.72	50.36
28 46 13 31-0606	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	328.05	50.36
28 46 13 31-0607	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	641.73	16.78
28 46 13 31-0608	EA	Standard Sensor Base (Simplex 4098-9792)	325.87	16.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0609	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	187.38	33.58
28 46 13 31-0610		**Explosion Proof Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0611	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	237.94	50.36
28 46 13 31-0612	EA	Explosion Proof Back Box (Killark JLX-21)	155.67	16.78
28 46 13 31-0613	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	14.17	3.36
28 46 13 31-0614		**Weatherproof Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0615	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	171.55	50.36
28 46 13 31-0616		**200 Degree F Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0617	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	141.87	50.36
28 46 13 31-0618		**Duct Smoke Sensor** *(28 46 13 31-0546)*		
28 46 13 31-0619	EA	Duct Sensor Housing (Simplex 4098-9755)	518.50	26.86
28 46 13 31-0620	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	698.55	60.44
28 46 13 31-0621	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	77.49	16.78
28 46 13 31-0622	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	184.07	50.36
28 46 13 31-0623		**Interior Horn** *(28 46 13 31-0546)*		
28 46 13 31-0624	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	170.26	50.36
28 46 13 31-0625	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	170.26	50.36
28 46 13 31-0626		**Interior Horn Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0627	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	235.92	50.36
28 46 13 31-0628	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	235.92	50.36
28 46 13 31-0629	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	220.94	50.36
28 46 13 31-0630	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	220.94	50.36
28 46 13 31-0631	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	220.94	50.36
28 46 13 31-0632	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	220.94	50.36
28 46 13 31-0633	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	225.96	50.36
28 46 13 31-0634	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	225.96	50.36
28 46 13 31-0635	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	234.79	50.36
28 46 13 31-0636	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	230.72	50.36
28 46 13 31-0637	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	234.79	50.36
28 46 13 31-0638	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	230.72	50.36
28 46 13 31-0639	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	220.94	50.36
28 46 13 31-0640	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	220.94	50.36
28 46 13 31-0641	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	220.94	50.36
28 46 13 31-0642	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	220.94	50.36
28 46 13 31-0643		**Interior Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0644	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	189.12	50.36
28 46 13 31-0645	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	189.12	50.36
28 46 13 31-0646	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	189.05	50.36
28 46 13 31-0647	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	189.12	50.36
28 46 13 31-0648	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	208.15	50.36
28 46 13 31-0649	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	208.15	50.36
28 46 13 31-0650	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	209.37	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0651	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	212.69	50.36
28 46 13 31-0652	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	212.69	50.36
28 46 13 31-0653	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	212.69	50.36
28 46 13 31-0654	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	189.12	50.36
28 46 13 31-0655	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	189.12	50.36
28 46 13 31-0656	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	189.12	50.36
28 46 13 31-0657	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	189.12	50.36
28 46 13 31-0658		**Interior Speakers** *(28 46 13 31-0546)*		
28 46 13 31-0659	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	154.15	50.36
28 46 13 31-0660	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	154.15	50.36
28 46 13 31-0661	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	154.15	50.36
28 46 13 31-0662		**Interior Speaker Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0663	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	250.75	50.36
28 46 13 31-0664	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	250.75	50.36
28 46 13 31-0665		**Surge Suppressors** *(28 46 13 31-0546)*		
28 46 13 31-0666	EA	Overvoltage Suppressor (Simplex 2081-9044)	161.85	10.07
28 46 13 31-0667	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	103.54	10.07
28 46 13 31-0668	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	346.62	10.07
28 46 13 31-0669	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	118.56	10.07
28 46 13 31-0670	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	178.68	16.78
28 46 13 31-0671	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	121.54	10.07
28 46 13 31-0672	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	91.49	10.07
28 46 13 31-0673		**Boxes And Adapters** *(28 46 13 31-0546)*		
28 46 13 31-0674	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	79.88	16.78
28 46 13 31-0675	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	75.67	16.78
28 46 13 31-0676	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	67.42	16.78
28 46 13 31-0677	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	55.71	16.78
28 46 13 31-0678		**Accessories** *(28 46 13 31-0546)*		
28 46 13 31-0679	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	38.47	16.78
28 46 13 31-0680		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0681		**Conventional Control Panels** *(28 46 13 31-0680)*		
28 46 13 31-0682		**SXL Batteries And Power Supplies** *(28 46 13 31-0681)*		
28 46 13 31-0683	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,367.64	67.15
28 46 13 31-0684	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,101.63	67.15
28 46 13 31-0685		**Digital Fire Communicators** *(28 46 13 31-0681)*		
28 46 13 31-0686	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,066.56	67.15
28 46 13 31-0687		**Addressable Control Panels** *(28 46 13 31-0680)*		
28 46 13 31-0688		**Fireseeker Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0689		**FS-250 System Panels** *(28 46 13 31-0688)*		
28 46 13 31-0690	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	3,297.06	671.53
28 46 13 31-0691	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	4,109.61	671.53
28 46 13 31-0692	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,452.89	537.22
28 46 13 31-0693	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,301.89	671.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0694		**FS-250 Optional Modules** *(28 46 13 31-0688)*		
28 46 13 31-0695	EA	Main Board Module (Siemens FS-MB2)	1,377.32	67.15
28 46 13 31-0696	EA	Display Board Module (Siemens FS-DB2)	1,073.16	33.58
28 46 13 31-0697	EA	Device Loop Card (Siemens FS-DLC)	879.70	33.58
28 46 13 31-0698	EA	Releasing Module (Siemens FS-REL)	391.20	33.58
28 46 13 31-0699	EA	Remote LCD Annunciator (Siemens FS-RD2)	873.65	33.58
28 46 13 31-0700	EA	Relay Processor Card (Siemens FS-RU2)	758.78	33.58
28 46 13 31-0701	EA	Relay Expander Board (Siemens FS-RE8)	647.54	33.58
28 46 13 31-0702	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	873.65	33.58
28 46 13 31-0703	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	681.40	33.58
28 46 13 31-0704	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	619.73	33.58
28 46 13 31-0705	EA	Municipal Tie Module (Siemens FS-MT)	526.63	33.58
28 46 13 31-0706	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	481.34	
28 46 13 31-0707	EA	Programming Cable Kit (Siemens CBL-UD)	126.68	16.78
28 46 13 31-0708	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	227.97	33.58
28 46 13 31-0709	EA	Releasing Power Transformer (Siemens FS-RPT-A)	231.59	33.58
28 46 13 31-0710	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	261.70	26.86
28 46 13 31-0711	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	425.34	16.78
28 46 13 31-0712		**Firefinder Systems** *(28 46 13 31-0687)*		
28 46 13 31-0713		**XLS Basic Fire System Packages Without Back Box** *(28 46 13 31-0712)*		
28 46 13 31-0714	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	11,577.02	671.53
28 46 13 31-0715	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,196.17	671.53
28 46 13 31-0716	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,196.17	671.53
28 46 13 31-0717	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	17,059.31	671.53
28 46 13 31-0718	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	17,632.44	671.53
28 46 13 31-0719	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	10,057.12	671.53
28 46 13 31-0720	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	10,057.12	671.53
28 46 13 31-0721	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	11,672.54	671.53
28 46 13 31-0722		**Firefinder - XLS Basic System Equipment** *(28 46 13 31-0712)*		
28 46 13 31-0723	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	5,373.17	671.53
28 46 13 31-0724	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	8,941.37	671.53
28 46 13 31-0725	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	5,373.17	671.53
28 46 13 31-0726	EA	Two Slot Card Cage (Siemens CC-2)	666.89	33.58
28 46 13 31-0727	EA	Five Slot Card Cage (Siemens CC-5)	1,127.57	33.58
28 46 13 31-0728	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,611.23	33.58
28 46 13 31-0729	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,682.57	33.58
28 46 13 31-0730	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	531.46	33.58
28 46 13 31-0731	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,909.89	33.58
28 46 13 31-0732	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,081.63	33.58
28 46 13 31-0733	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	4,097.25	33.58
28 46 13 31-0734	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,986.17	671.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0735	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,265.42	33.58
28 46 13 31-0736	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,408.03	33.58
28 46 13 31-0737	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	574.99	33.58
28 46 13 31-0738	EA	Conventional Detector Card (Siemens CDC-4)	1,219.47	33.58
28 46 13 31-0739	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,388.72	33.58
28 46 13 31-0740	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,589.24	33.58
28 46 13 31-0741		**Remote Lobby Enclosure** *(28 46 13 31-0712)*		
28 46 13 31-0742	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,582.97	134.31
28 46 13 31-0743	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	2,042.44	134.31
28 46 13 31-0744	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	252.15	33.58
28 46 13 31-0745	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	275.12	33.58
28 46 13 31-0746		**Battery Enclosures** *(28 46 13 31-0712)*		
28 46 13 31-0747	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	983.23	134.31
28 46 13 31-0748		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0712)*		
28 46 13 31-0749	EA	Output Control Module (Siemens OCM-16)	781.76	33.58
28 46 13 31-0750	EA	Supervised Input Module (Siemens SIM-16)	781.76	33.58
28 46 13 31-0751		**Remote LCD Displays** *(28 46 13 31-0712)*		
28 46 13 31-0752	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,813.26	100.73
28 46 13 31-0753	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	2,044.20	100.73
28 46 13 31-0754		**Voice Equipment** *(28 46 13 31-0712)*		
28 46 13 31-0755	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,798.65	33.58
28 46 13 31-0756	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	3,983.59	33.58
28 46 13 31-0757	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,678.95	33.58
28 46 13 31-0758		**MXL Series Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0759		**MXL Optional Equipment** *(28 46 13 31-0758)*		
28 46 13 31-0760	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,938.36	67.15
28 46 13 31-0761	EA	CXL/MXL Interface Module (Siemens CMI-300)	5,000.48	33.58
28 46 13 31-0762	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	860.35	33.58
28 46 13 31-0763	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,038.10	33.58
28 46 13 31-0764	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	392.41	33.58
28 46 13 31-0765	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	243.69	33.58
28 46 13 31-0766	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	1,010.29	33.58
28 46 13 31-0767	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	366.74	50.36
28 46 13 31-0768	EA	Lexan Window For RCC (Siemens GENBOX-WD)	248.40	26.86
28 46 13 31-0769	EA	Input Driver Module (Siemens MID-16)	663.26	33.58
28 46 13 31-0770	EA	Programmable Output Driver Module (Siemens MOD-16)	663.26	33.58
28 46 13 31-0771	EA	MXL Output/Input Module (Siemens MOI-7)	1,059.86	33.58
28 46 13 31-0772	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	565.32	33.58
28 46 13 31-0773	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	888.16	33.58
28 46 13 31-0774	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,185.68	100.73
28 46 13 31-0775	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,185.68	100.73
28 46 13 31-0776	EA	Network Interface Module (Siemens NIM-1W)	1,579.80	33.58
28 46 13 31-0777	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,137.90	134.31
28 46 13 31-0778	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	464.96	33.58
28 46 13 31-0779	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	4,565.45	671.53
28 46 13 31-0780	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	561.14	67.15
28 46 13 31-0781	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	4,565.45	671.53
28 46 13 31-0782	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	575.65	67.15
28 46 13 31-0783	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	3,519.54	671.53
28 46 13 31-0784	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	5,247.42	671.53
28 46 13 31-0785	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	87.99	16.78
28 46 13 31-0786	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,421.89	67.15
28 46 13 31-0787	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	13,673.16	67.15
28 46 13 31-0788	EA	Releasing End Of Line Module (Siemens REL-EOL)	198.95	33.58
28 46 13 31-0789	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	4,096.69	67.15
28 46 13 31-0790	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,911.69	67.15
28 46 13 31-0791	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,083.55	134.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0792		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 13 31-0758)*		
28 46 13 31-0793	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	15,077.51	671.53
28 46 13 31-0794	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	19,609.40	671.53
28 46 13 31-0795	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	40,774.36	671.53
28 46 13 31-0796		**MXL Basic System** *(28 46 13 31-0758)*		
28 46 13 31-0797	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	9,375.16	671.53
28 46 13 31-0798	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	12,082.44	671.53
28 46 13 31-0799	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,455.85	67.15
28 46 13 31-0800	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,328.85	67.15
28 46 13 31-0801	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,507.34	100.73
28 46 13 31-0802	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	112.17	16.78
28 46 13 31-0803		**MXL/MXLR System Expansion Accessories** *(28 46 13 31-0758)*		
28 46 13 31-0804	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,849.53	100.73
28 46 13 31-0805	EA	Style 4 Communication Module (Siemens NET-4)	380.32	33.58
28 46 13 31-0806	EA	Style 7 Communication Module (Siemens NET-7)	691.07	33.58
28 46 13 31-0807	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	415.39	33.58
28 46 13 31-0808		**Peripheral Devices** *(28 46 13 31-0687)*		
28 46 13 31-0809		**Thermal Detectors** *(28 46 13 31-0808)*		
28 46 13 31-0810	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	159.98	50.36
28 46 13 31-0811	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	159.98	50.36
28 46 13 31-0812	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	159.98	50.36
28 46 13 31-0813	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	159.98	50.36
28 46 13 31-0814	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	250.66	50.36
28 46 13 31-0815	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	250.66	50.36
28 46 13 31-0816	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	617.04	50.36
28 46 13 31-0817		**Beam Smoke Detector** *(28 46 13 31-0808)*		
28 46 13 31-0818	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,915.74	50.36
28 46 13 31-0819	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	333.45	16.78
28 46 13 31-0820	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	337.08	16.78
28 46 13 31-0821	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	172.63	16.78
28 46 13 31-0822		**Bases For Detectors** *(28 46 13 31-0808)*		
28 46 13 31-0823	EA	Detector Base (Siemens DB-11)	51.72	16.78
28 46 13 31-0824	EA	Universal Base (Siemens DB-3S)	48.09	16.78
28 46 13 31-0825		**Manual Stations** *(28 46 13 31-0808)*		
28 46 13 31-0826	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	369.57	40.29
28 46 13 31-0827		**Addressable Devices** *(28 46 13 31-0687)*		
28 46 13 31-0828		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0827)*		
28 46 13 31-0829	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	308.70	50.36
28 46 13 31-0830	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	266.38	50.36
28 46 13 31-0831	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	216.81	50.36
28 46 13 31-0832	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	145.47	50.36
28 46 13 31-0833	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	145.47	50.36
28 46 13 31-0834	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	322.28	33.58
28 46 13 31-0835	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	307.77	33.58
28 46 13 31-0836	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	243.69	33.58
28 46 13 31-0837	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	298.10	33.58
28 46 13 31-0838	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	298.10	33.58
28 46 13 31-0839	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	225.55	33.58
28 46 13 31-0840	EA	Line Isolator Module (Siemens HLIM)	232.80	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0841	EA	Remote Convention Zone Module (Siemens HZM)	344.05	33.58
28 46 13 31-0842	EA	Intelligent Control Point Module (Siemens HCP)	435.94	33.58
28 46 13 31-0843	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,919.85	
28 46 13 31-0844	EA	DPU Carrying Case (Siemens DPU-C1)	295.84	
28 46 13 31-0845	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,288.33	33.58
28 46 13 31-0846		**Air Duct Housings And Detectors** *(28 46 13 31-0827)*		
28 46 13 31-0847	EA	Air-Duct Housing (Siemens AD2-P)	352.39	26.86
28 46 13 31-0848	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	398.34	26.86
28 46 13 31-0849	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	319.86	33.58
28 46 13 31-0850	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	44.33	10.07
28 46 13 31-0851	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	54.67	13.43
28 46 13 31-0852	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	68.65	16.78
28 46 13 31-0853	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	80.19	20.15
28 46 13 31-0854		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0827)*		
28 46 13 31-0855	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	322.00	50.36
28 46 13 31-0856	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	277.27	50.36
28 46 13 31-0857	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	355.86	50.36
28 46 13 31-0858	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	313.82	33.58
28 46 13 31-0859	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	346.46	33.58
28 46 13 31-0860	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	317.44	33.58
28 46 13 31-0861	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	351.30	33.58
28 46 13 31-0862	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	351.30	33.58
28 46 13 31-0863		**Detector Universal Bases** *(28 46 13 31-0827)*		
28 46 13 31-0864	EA	Detector Base With Relay (Siemens DB-X11RS)	148.45	16.78
28 46 13 31-0865	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	75.90	16.78
28 46 13 31-0866	EA	Locking Kit (Siemens LK-11)	14.40	
28 46 13 31-0867	EA	Detector Base With Relay (Siemens DB-X3RS)	148.45	16.78
28 46 13 31-0868	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	172.63	16.78
28 46 13 31-0869	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	72.27	16.78
28 46 13 31-0870	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	34.66	10.07
28 46 13 31-0871	EA	Seal For DB-11 (Siemens DB11-SEAL)	17.31	
28 46 13 31-0872	EA	Gasket For DB-11 (Siemens DB-SEAL)	18.90	
28 46 13 31-0873	EA	Detector Guard Housing (Siemens DGH-11)	217.37	16.78
28 46 13 31-0874	EA	Small Detector Base (Siemens DB-11E)	56.55	16.78
28 46 13 31-0875	EA	Audible Base For Series 3 (Siemens ADBI-60A)	194.40	16.78
28 46 13 31-0876	EA	Base Plug (Siemens DB-11-DP)	14.35	
28 46 13 31-0877		**Air Duct Smoke Detectors** *(28 46 13 31-0827)*		
28 46 13 31-0878	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	165.09	33.58
28 46 13 31-0879	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	849.47	33.58
28 46 13 31-0880		**Notification Devices** *(28 46 13 31-0687)*		
28 46 13 31-0881		**Synchronization Control Devices** *(28 46 13 31-0880)*		
28 46 13 31-0882	EA	Dual Synchronization Control Module (Siemens DSC)	243.69	33.58
28 46 13 31-0883		**Stand-Alone Strobes** *(28 46 13 31-0880)*		
28 46 13 31-0884	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	203.51	50.36
28 46 13 31-0885	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	221.65	50.36
28 46 13 31-0886	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	203.51	50.36
28 46 13 31-0887	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	221.65	50.36
28 46 13 31-0888	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	221.65	50.36
28 46 13 31-0889	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	203.51	50.36
28 46 13 31-0890	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	234.95	50.36
28 46 13 31-0891	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	225.27	50.36
28 46 13 31-0892	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	225.27	50.36
28 46 13 31-0893	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	240.99	50.36
28 46 13 31-0894	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	240.99	50.36
28 46 13 31-0895		**Horns And Strobes** *(28 46 13 31-0880)*		
28 46 13 31-0896	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	274.85	50.36
28 46 13 31-0897	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	290.57	50.36
28 46 13 31-0898	EA	Wall Mounted Horn (Siemens SE-R)	159.98	50.36
28 46 13 31-0899	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	274.85	50.36
28 46 13 31-0900	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	290.57	50.36
28 46 13 31-0901	EA	Ceiling Mounted Horn (Siemens SEC-R)	167.23	50.36
28 46 13 31-0902	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	274.85	50.36
28 46 13 31-0903	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	290.57	50.36
28 46 13 31-0904	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	159.98	50.36
28 46 13 31-0905	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	274.85	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0906	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	290.57	50.36
28 46 13 31-0907	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	167.23	50.36
28 46 13 31-0908	EA	Mini Horn (Siemens MH-R)	133.38	50.36
28 46 13 31-0909	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	169.65	50.36
28 46 13 31-0910	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	259.13	50.36
28 46 13 31-0911	EA	Industrial Tri-Tone Horn (Siemens ASR)	735.53	50.36
28 46 13 31-0912	EA	Wall Mounted Horn (Siemens HS-R)	169.65	50.36
28 46 13 31-0913	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	260.34	50.36
28 46 13 31-0914	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	279.68	50.36
28 46 13 31-0915	EA	6" Motor Bell (Siemens MBDC-6)	193.83	50.36
28 46 13 31-0916	EA	10" Motor Bell (Siemens MBDC-10)	211.97	50.36
28 46 13 31-0917		**Mounting Accessories** *(28 46 13 31-0880)*		
28 46 13 31-0918	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	48.09	16.78
28 46 13 31-0919	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	48.09	16.78
28 46 13 31-0920	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	49.30	16.78
28 46 13 31-0921	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	78.32	16.78
28 46 13 31-0922	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	62.60	16.78
28 46 13 31-0923	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R)	66.23	16.78
28 46 13 31-0924	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R)	71.06	16.78
28 46 13 31-0925	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	56.55	16.78
28 46 13 31-0926	EA	Semi-Flush Plate (Siemens SFPS-R)	46.88	16.78
28 46 13 31-0927	EA	Square Surface Back Box (Siemens SHBBS-R)	56.55	16.78
28 46 13 31-0928	EA	Horn Adapter Plate (Siemens SHMPS-R)	54.14	16.78
28 46 13 31-0929	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	48.09	16.78
28 46 13 31-0930	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R)	62.60	16.78
28 46 13 31-0931	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R)	66.23	16.78
28 46 13 31-0932	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	63.81	16.78
28 46 13 31-0933	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	71.06	16.78
28 46 13 31-0934	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	71.06	16.78
28 46 13 31-0935	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	71.06	16.78
28 46 13 31-0936	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	66.23	16.78
28 46 13 31-0937	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R)	66.23	16.78
28 46 13 31-0938	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	48.09	16.78
28 46 13 31-0939	EA	Z Series Back Box (Siemens ZBB-R)	54.14	16.78
28 46 13 31-0940		**Door Holders** *(28 46 13 31-0880)*		
28 46 13 31-0941	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	412.69	50.36
28 46 13 31-0942	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	412.69	50.36
28 46 13 31-0943		**Voice Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0944		**Voicecom** *(28 46 13 31-0943)*		
28 46 13 31-0945	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	6,318.72	671.53
28 46 13 31-0946	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	10,006.63	671.53
28 46 13 31-0947		**Johnson Controls Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0948	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	241.67	50.36
28 46 13 31-0949	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	239.05	50.36
28 46 13 31-0950	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	299.09	50.36
28 46 13 31-0951	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	298.25	50.36
28 46 13 31-0952	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	823.49	67.15
28 46 13 31-0953	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	228.29	50.36
28 46 13 31-0954	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	203.45	50.36
28 46 13 31-0955	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	198.18	50.36
28 46 13 31-0956	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	603.06	50.36
28 46 13 31-0957	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	2,940.12	100.73
28 46 13 31-0958	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,848.54	100.73
28 46 13 31-0959	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,897.95	100.73
28 46 13 31-0960	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E)	2,774.59	100.73
28 46 13 31-0961	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30)	1,349.41	100.73
28 46 13 31-0962	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,349.41	100.73
28 46 13 31-0963	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	1,353.73	33.58
28 46 13 31-0964	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	1,408.10	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0965	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	1,033.93	33.58
28 46 13 31-0966	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,033.93	33.58
28 46 13 31-0967	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	728.94	33.58
28 46 13 31-0968	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,352.52	67.15
28 46 13 31-0969	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	1,033.93	33.58
28 46 13 31-0970	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	1,074.80	33.58
28 46 13 31-0971	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	926.69	33.58
28 46 13 31-0972	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	926.69	33.58
28 46 13 31-0973	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	154.71	30.22
28 46 13 31-0974	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	1,417.20	67.15
28 46 13 31-0975	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	3,091.93	67.15
28 46 13 31-0976	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,417.20	67.15
28 46 13 31-0977	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	3,091.93	67.15
28 46 13 31-0978	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	55.76	16.78
28 46 13 31-0979	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	151.17	16.78
28 46 13 31-0980	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	142.54	16.78
28 46 13 31-0981	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	59.44	16.78
28 46 13 31-0982	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	53.32	16.78
28 46 13 31-0983	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	1,032.78	67.15
28 46 13 31-0984	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,419.67	100.73
28 46 13 31-0985	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,558.32	100.73
28 46 13 31-0986	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	283.13	16.78
28 46 13 31-0987	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	190.72	16.78
28 46 13 31-0988	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	2,421.71	100.73
28 46 13 31-0989	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	2,234.82	100.73
28 46 13 31-0990	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	2,234.82	100.73
28 46 13 31-0991	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	2,623.60	100.73
28 46 13 31-0992	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	2,419.67	100.73
28 46 13 31-0993	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	2,419.67	100.73
28 46 13 31-0994	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	2,419.67	100.73
28 46 13 31-0995	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	2,895.00	100.73
28 46 13 31-0996	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,895.00	100.73
28 46 13 31-0997	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,895.00	100.73
28 46 13 31-0998	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	300.19	33.58
28 46 13 31-0999	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	461.82	33.58
28 46 13 31-1000	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	41.59	13.43
28 46 13 31-1001	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	45.39	13.43
28 46 13 31-1002	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	111.39	20.15
28 46 13 31-1003	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	53.91	13.43
28 46 13 31-1004	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	66.57	16.78
28 46 13 31-1005	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	464.56	33.58
28 46 13 31-1006	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	772.07	67.15
28 46 13 31-1007	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	639.86	100.73
28 46 13 31-1008	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	888.79	100.73
28 46 13 31-1009	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	971.97	100.73
28 46 13 31-1010	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	515.41	13.43
28 46 13 31-1011	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	777.33	13.43
28 46 13 31-1012	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	854.37	13.43
28 46 13 31-1013	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,028.53	134.31
28 46 13 31-1014	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,351.22	134.31
28 46 13 31-1015	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,282.86	100.73
28 46 13 31-1016	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	236.92	16.78
28 46 13 31-1017	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	671.62	33.58
28 46 13 31-1018	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	353.81	50.36
28 46 13 31-1019	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	288.25	50.36
28 46 13 31-1020	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	303.17	50.36
28 46 13 31-1021	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,466.54	67.15
28 46 13 31-1022	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	3,013.61	67.15
28 46 13 31-1023	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	909.94	33.58
28 46 13 31-1024	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	6,180.61	537.22
28 46 13 31-1025	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	3,040.17	67.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1026	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	40,193.64	805.84
28 46 13 31-1027	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	43,890.66	805.84
28 46 13 31-1028	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	49,436.20	805.84
28 46 13 31-1029	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	43,890.66	805.84
28 46 13 31-1030	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	295.39	20.15
28 46 13 31-1031	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	332.36	20.15
28 46 13 31-1032	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	361.94	20.15
28 46 13 31-1033	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	676.19	20.15
28 46 13 31-1034	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	219.09	13.43
28 46 13 31-1035	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black.	342.03	30.22
28 46 13 31-1036	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red.	363.23	30.22
28 46 13 31-1037	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D)	666.74	30.22
28 46 13 31-1038	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	664.62	13.43
28 46 13 31-1039	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	895.68	13.43
28 46 13 31-1040	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,108.26	13.43
28 46 13 31-1041	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	312.39	33.58
28 46 13 31-1042	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	145.74	13.43
28 46 13 31-1043	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	6,166.62	537.22
28 46 13 31-1044	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis	4,452.22	402.92
28 46 13 31-1045	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	8,001.83	537.22
28 46 13 31-1046	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,682.45	402.92
28 46 13 31-1047	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,538.56	402.92
28 46 13 31-1048	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	3,027.50	50.36
28 46 13 31-1049	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	3,058.35	50.36
28 46 13 31-1050	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	3,058.35	50.36
28 46 13 31-1051	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,619.71	67.15
28 46 13 31-1052	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	3,067.90	67.15
28 46 13 31-1053	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,654.36	402.92
28 46 13 31-1054	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,179.91	67.15
28 46 13 31-1055	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,793.50	67.15
28 46 13 31-1056	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	2,885.61	67.15
28 46 13 31-1057	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	893.12	16.78
28 46 13 31-1058	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	287.48	13.43
28 46 13 31-1059	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	354.03	13.43
28 46 13 31-1060	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	719.40	16.78
28 46 13 31-1061	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	1,320.16	16.78
28 46 13 31-1062	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	2,391.86	16.78
28 46 13 31-1063	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	187.72	16.78
28 46 13 31-1064	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	299.00	16.78
28 46 13 31-1065	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	147.41	16.78
28 46 13 31-1066	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	206.77	16.78
28 46 13 31-1067	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	163.00	16.78
28 46 13 31-1068	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	265.67	16.78
28 46 13 31-1069	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	302.94	16.78
28 46 13 31-1070	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	170.93	16.78
28 46 13 31-1071	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	2,525.98	50.36
28 46 13 31-1072	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	2,246.53	33.58
28 46 13 31-1073	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	2,076.47	33.58
28 46 13 31-1074	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	78.13	6.71
28 46 13 31-1075	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-F)	1,816.60	33.58
28 46 13 31-1076	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-W)	1,729.84	33.58
28 46 13 31-1077	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	4,416.11	67.15

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1078	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,226.93	33.58
28 46 13 31-1079	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	335.54	13.43
28 46 13 31-1080	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	775.15	33.58
28 46 13 31-1081	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	775.15	33.58
28 46 13 31-1082	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	208.03	13.43
28 46 13 31-1083	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	55.23	6.71
28 46 13 31-1084	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	55.23	6.71
28 46 13 31-1085	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	211.66	50.36
28 46 13 31-1086	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH)	237.52	50.36
28 46 13 31-1087	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	280.53	57.08
28 46 13 31-1088	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	276.82	57.08
28 46 13 31-1089	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,856.50	134.31
28 46 13 31-1090	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	1,449.81	134.31
28 46 13 31-1091	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW)	211.66	50.36
28 46 13 31-1092	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH)	237.52	50.36
28 46 13 31-1093	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	211.66	50.36
28 46 13 31-1094	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	38.60	13.43
28 46 13 31-1095	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	43.10	6.71
28 46 13 31-1096	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	49.04	6.71
28 46 13 31-1097	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	43.15	6.71
28 46 13 31-1098	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR)	193.82	50.36
28 46 13 31-1099	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	237.52	50.36
28 46 13 31-1100	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	280.53	57.08
28 46 13 31-1101	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P)	237.52	50.36
28 46 13 31-1102	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	276.82	57.08
28 46 13 31-1103	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P)	211.66	50.36
28 46 13 31-1104	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW)	211.66	50.36
28 46 13 31-1105	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH)	237.52	50.36
28 46 13 31-1106	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P)	237.52	50.36
28 46 13 31-1107	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P)	211.66	50.36
28 46 13 31-1108	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	290.51	16.78
28 46 13 31-1109	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	1,281.75	67.15
28 46 13 31-1110	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	313.44	67.15
28 46 13 31-1111	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	134.24	33.58
28 46 13 31-1112	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	134.24	33.58
28 46 13 31-1113	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	246.28	33.58
28 46 13 31-1114	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	267.71	33.58
28 46 13 31-1115	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	267.71	33.58
28 46 13 31-1116	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	237.76	33.58
28 46 13 31-1117	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	323.57	33.58
28 46 13 31-1118	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	246.28	33.58
28 46 13 31-1119	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	134.24	33.58
28 46 13 31-1120	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	134.24	33.58
28 46 13 31-1121	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	267.71	33.58
28 46 13 31-1122	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	246.28	33.58
28 46 13 31-1123	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	246.28	33.58

28 46 13 31-1124 Honeywell Fire Alarm *(28 46 13 31)*

28 46 13 31-1125 Notifier Fire Alarm *(28 46 13 31-1124)*

28 46 13 31-1126 Fire Alarm Control Panel And Accessories *(28 46 13 31-1125)*

28 46 13 31-1127	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	6,805.62	671.53
28 46 13 31-1128	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	5,611.45	671.53
28 46 13 31-1129	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	4,896.65	671.53
28 46 13 31-1130	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	6,791.57	671.53
28 46 13 31-1131	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,210.12	671.53
28 46 13 31-1132	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	6,057.95	671.53
28 46 13 31-1133	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,912.64	671.53
28 46 13 31-1134	EA	Two-Tone Sequential Module (Notifier 2TTM)	386.37	33.58
28 46 13 31-1135	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	96.95	6.71
28 46 13 31-1136	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	185.90	13.43
28 46 13 31-1137	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	282.28	20.15
28 46 13 31-1138	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-1139	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-1140	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,798.23	671.53
28 46 13 31-1141	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,854.29	671.53
28 46 13 31-1142	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	238.83	6.71
28 46 13 31-1143	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	74.07	6.71
28 46 13 31-1144	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	105.52	13.43
28 46 13 31-1145	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	104.52	16.78
28 46 13 31-1146	EA	IP Communicator (Notifier IPDACT-2)	776.52	33.58
28 46 13 31-1147	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	900.09	33.58
28 46 13 31-1148	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	213.60	33.58
28 46 13 31-1149	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	213.03	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1150	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	55.12	13.43
28 46 13 31-1151	EA	Loop Control Module (Notifier LCM-320)	2,489.86	67.15
28 46 13 31-1152	EA	Loop Expander Module (Notifier LEM-320)	1,779.60	67.15
28 46 13 31-1153	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,888.87	67.15
28 46 13 31-1154	EA	7' DACT Phone Cord (Notifier MCBL-7)	26.82	
28 46 13 31-1155	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	224.08	16.78
28 46 13 31-1156	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	257.65	33.58
28 46 13 31-1157	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	257.65	33.58
28 46 13 31-1158	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	815.26	33.58
28 46 13 31-1159	EA	Universal Zone Coder (Notifier UZC-256)	1,132.25	33.58
28 46 13 31-1160	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	352.61	
28 46 13 31-1161	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	885.18	
28 46 13 31-1162	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	576.90	
28 46 13 31-1163	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	4,995.98	20.15
28 46 13 31-1164	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	58.87	16.78
28 46 13 31-1165	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,540.25	671.53
28 46 13 31-1166	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	3,726.37	671.53

28 46 13 31-1167 ONYX Cabinets *(28 46 13 31-1125)*

28 46 13 31-1168	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	655.22	16.78
28 46 13 31-1169	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	878.81	16.78
28 46 13 31-1170	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	1,085.45	16.78
28 46 13 31-1171	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	135.25	20.15
28 46 13 31-1172	EA	Chassis Bridge (Notifier CB-1)	122.54	16.78
28 46 13 31-1173	EA	Four Position Chassis (Notifier CHS-4)	203.49	16.78
28 46 13 31-1174	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	251.35	33.58
28 46 13 31-1175	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	119.81	20.15
28 46 13 31-1176	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	150.99	20.15
28 46 13 31-1177	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	466.77	33.58
28 46 13 31-1178	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	296.62	33.58
28 46 13 31-1179	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	590.88	50.36
28 46 13 31-1180	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	364.54	50.36
28 46 13 31-1181	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	882.03	67.15
28 46 13 31-1182	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	537.05	67.15
28 46 13 31-1183	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	1,070.15	83.94
28 46 13 31-1184	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	623.70	83.94
28 46 13 31-1185	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	319.62	16.78
28 46 13 31-1186	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	221.22	16.78
28 46 13 31-1187	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	221.22	16.78
28 46 13 31-1188	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	325.34	16.78
28 46 13 31-1189	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	248.68	16.78
28 46 13 31-1190	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	411.15	16.78
28 46 13 31-1191	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	282.43	16.78
28 46 13 31-1192	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	488.95	16.78
28 46 13 31-1193	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	404.28	16.78
28 46 13 31-1194	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	723.50	16.78
28 46 13 31-1195	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	452.34	16.78
28 46 13 31-1196	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	865.38	16.78
28 46 13 31-1197	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	422.98	33.58
28 46 13 31-1198	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	619.77	33.58
28 46 13 31-1199	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	725.04	33.58
28 46 13 31-1200	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	442.43	33.58
28 46 13 31-1201	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	663.25	33.58
28 46 13 31-1202	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	773.09	33.58
28 46 13 31-1203	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	426.41	33.58
28 46 13 31-1204	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	619.77	33.58
28 46 13 31-1205	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	734.19	33.58
28 46 13 31-1206	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	463.03	33.58
28 46 13 31-1207	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	663.25	33.58
28 46 13 31-1208	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	773.09	33.58
28 46 13 31-1209	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	3,471.65	167.89
28 46 13 31-1210	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	397.81	33.58
28 46 13 31-1211	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	504.74	100.73
28 46 13 31-1212	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	716.40	134.31
28 46 13 31-1213	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	957.24	134.31
28 46 13 31-1214	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	1,163.55	167.89
28 46 13 31-1215	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	253.65	33.58
28 46 13 31-1216	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	253.65	33.58
28 46 13 31-1217	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	306.28	33.58
28 46 13 31-1218	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	421.84	33.58
28 46 13 31-1219	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	612.91	33.58
28 46 13 31-1220	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	722.75	33.58
28 46 13 31-1221	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	241.09	20.15
28 46 13 31-1222	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	241.09	20.15
28 46 13 31-1223	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	322.90	20.15
28 46 13 31-1224	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	256.53	20.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1225	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	258.25	20.15
28 46 13 31-1226	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	255.39	20.15
28 46 13 31-1227	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	261.68	20.15
28 46 13 31-1228	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	96.81	20.15
28 46 13 31-1229	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	65.15	6.71
28 46 13 31-1230		**NFS2-3030/640 Cabinet Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1231	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	170.52	20.15
28 46 13 31-1232	EA	Blank Module Dress Plate (Notifier BM-1B)	140.19	20.15
28 46 13 31-1233	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	159.82	20.15
28 46 13 31-1234	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	313.90	16.78
28 46 13 31-1235	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	357.63	50.36
28 46 13 31-1236	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	177.66	20.15
28 46 13 31-1237		**NFS-3030/640 Cabinet Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1238	EA	Annunciator Dress Plate (Notifier ADP-4B)	161.60	20.15
28 46 13 31-1239	EA	Blank Module Dress Plate (Notifier BMP-1)	99.16	20.15
28 46 13 31-1240	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	226.82	33.58
28 46 13 31-1241	EA	Module Dress Plate (Notifier MP-1B)	163.39	20.15
28 46 13 31-1242		**Battery Cabinets** *(28 46 13 31-1125)*		
28 46 13 31-1243	EA	Six Position Chassis (Notifier CHS-6)	142.61	33.58
28 46 13 31-1244	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	725.96	100.73
28 46 13 31-1245		**Digital Voice** *(28 46 13 31-1125)*		
28 46 13 31-1246	EA	Chassis Used With BB-XP (Notifier 18439)	62.76	16.78
28 46 13 31-1247	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	2,308.07	50.36
28 46 13 31-1248	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	2,243.62	50.36
28 46 13 31-1249	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,135.19	50.36
28 46 13 31-1250	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	755.46	50.36
28 46 13 31-1251	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	1,024.53	67.15
28 46 13 31-1252	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,275.75	83.94
28 46 13 31-1253	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	983.27	33.58
28 46 13 31-1254	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	983.27	33.58
28 46 13 31-1255	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,096.97	33.58
28 46 13 31-1256	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	127.11	16.78
28 46 13 31-1257	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	212.07	16.78
28 46 13 31-1258	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	213.21	16.78
28 46 13 31-1259	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	206.35	16.78
28 46 13 31-1260	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	208.64	16.78
28 46 13 31-1261	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	421.45	16.78
28 46 13 31-1262	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	323.05	16.78
28 46 13 31-1263	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	132.42	
28 46 13 31-1264	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	590.19	33.58
28 46 13 31-1265	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	595.47	33.58
28 46 13 31-1266	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	125.40	16.78
28 46 13 31-1267	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	195.60	33.58
28 46 13 31-1268	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	625.23	50.36
28 46 13 31-1269	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	251.93	33.58
28 46 13 31-1270	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	251.93	33.58
28 46 13 31-1271	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	319.62	16.78
28 46 13 31-1272	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	316.19	16.78
28 46 13 31-1273	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,632.54	33.58
28 46 13 31-1274	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,982.44	33.58
28 46 13 31-1275	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,982.44	33.58
28 46 13 31-1276	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,718.17	33.58
28 46 13 31-1277	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,098.52	33.58
28 46 13 31-1278	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,823.43	33.58
28 46 13 31-1279	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,591.86	33.58
28 46 13 31-1280	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,591.86	33.58
28 46 13 31-1281	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,875.08	33.58
28 46 13 31-1282	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,927.91	33.58
28 46 13 31-1283	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	2,010.33	33.58
28 46 13 31-1284	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,275.96	33.58
28 46 13 31-1285	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,309.77	33.58
28 46 13 31-1286	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,340.41	33.58
28 46 13 31-1287	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,384.79	33.58
28 46 13 31-1288	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,394.30	33.58
28 46 13 31-1289	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,435.51	33.58
28 46 13 31-1290	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,476.72	33.58
28 46 13 31-1291	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,550.69	33.58
28 46 13 31-1292	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	144.85	16.78
28 46 13 31-1293	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	152.68	20.15
28 46 13 31-1294	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	177.66	20.15
28 46 13 31-1295	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	311.46	20.15
28 46 13 31-1296	EA	WPS Power Amplifier (Notifier DPA3204P)	699.03	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1297	EA	WPS Power Amplifier (Notifier DPA4001P)	590.19	33.58
28 46 13 31-1298	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,325.62	33.58
28 46 13 31-1299	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	992.78	33.58
28 46 13 31-1300	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,004.40	33.58
28 46 13 31-1301	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	1,670.09	33.58
28 46 13 31-1302	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	653.59	33.58
28 46 13 31-1303	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	373.78	33.58
28 46 13 31-1304	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	373.78	33.58
28 46 13 31-1305	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	373.78	33.58
28 46 13 31-1306	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	162.40	33.58
28 46 13 31-1307	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	450.71	33.58
28 46 13 31-1308	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,653.95	33.58
28 46 13 31-1309	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	749.79	67.15
28 46 13 31-1310	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	293.75	
28 46 13 31-1311	EA	Portable Fireman's Telephone Handset (Notifier FHS)	176.47	
28 46 13 31-1312	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	204.50	
28 46 13 31-1313	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	513.37	33.58
28 46 13 31-1314	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	513.37	33.58
28 46 13 31-1315	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	84.45	10.07
28 46 13 31-1316	EA	Paging Microphone Only (Notifier MIC-1)	300.85	33.58
28 46 13 31-1317	EA	Firefighter's Telephone Handset (Notifier TELH-1)	201.64	
28 46 13 31-1318	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	761.13	33.58
28 46 13 31-1319	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	761.13	33.58
28 46 13 31-1320		**Amplifiers** *(28 46 13 31-1125)*		
28 46 13 31-1321	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,474.73	33.58
28 46 13 31-1322	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	3,231.97	33.58
28 46 13 31-1323	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	3,139.20	33.58
28 46 13 31-1324	EA	Audio Coupling Transformer (Notifier ACT-1)	215.22	33.58
28 46 13 31-1325	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	254.47	33.58
28 46 13 31-1326	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	254.47	33.58
28 46 13 31-1327	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	254.47	33.58
28 46 13 31-1328	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	1,795.83	33.58
28 46 13 31-1329	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	1,857.12	33.58
28 46 13 31-1330	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	1,928.97	33.58
28 46 13 31-1331	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	3,511.83	33.58
28 46 13 31-1332	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	706.42	33.58
28 46 13 31-1333	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	709.59	33.58
28 46 13 31-1334		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 13 31-1125)*		
28 46 13 31-1335	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,356.48	671.53
28 46 13 31-1336	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	3,780.72	671.53
28 46 13 31-1337	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	4,912.48	671.53
28 46 13 31-1338	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,392.48	671.53
28 46 13 31-1339	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	7,071.54	671.53
28 46 13 31-1340		**System Printer** *(28 46 13 31-1125)*		
28 46 13 31-1341	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	3,210.56	33.58
28 46 13 31-1342		**Batteries** *(28 46 13 31-1125)*		
28 46 13 31-1343	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	663.25	33.58
28 46 13 31-1344	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	677.28	33.58
28 46 13 31-1345	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	894.93	33.58
28 46 13 31-1346	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	516.72	33.58
28 46 13 31-1347	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	727.23	33.58
28 46 13 31-1348	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	725.45	33.58
28 46 13 31-1349	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	1,162.17	33.58
28 46 13 31-1350		**Battery Back Boxes And Miscellaneous Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1351	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	184.74	26.86
28 46 13 31-1352	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	307.73	26.86
28 46 13 31-1353	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	550.49	134.31
28 46 13 31-1354	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	240.14	67.15
28 46 13 31-1355	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	132.55	16.78
28 46 13 31-1356	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	356.93	26.86
28 46 13 31-1357	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	245.95	26.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1358	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	272.83	26.86
28 46 13 31-1359	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	290.57	26.86
28 46 13 31-1360	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	430.16	26.86
28 46 13 31-1361	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	256.24	26.86
28 46 13 31-1362	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	361.51	26.86
28 46 13 31-1363	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	313.45	26.86
28 46 13 31-1364	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	320.32	26.86
28 46 13 31-1365	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	280.27	26.86
28 46 13 31-1366	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	263.11	26.86
28 46 13 31-1367		**Power Supplies And Chargers** *(28 46 13 31-1125)*		
28 46 13 31-1368	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	1,556.79	50.36
28 46 13 31-1369	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,632.87	50.36
28 46 13 31-1370	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	2,259.69	33.58
28 46 13 31-1371	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,064.84	33.58
28 46 13 31-1372	EA	10 Amperes Battery Charger (Notifier BC10A)	1,192.25	50.36
28 46 13 31-1373	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	656.09	40.29
28 46 13 31-1374	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	664.10	40.29
28 46 13 31-1375	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	920.62	40.29
28 46 13 31-1376	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	920.62	40.29
28 46 13 31-1377	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	231.91	33.58
28 46 13 31-1378	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,738.76	33.58
28 46 13 31-1379	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	104.52	16.78
28 46 13 31-1380	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	163.44	16.78
28 46 13 31-1381	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	1,148.25	33.58
28 46 13 31-1382	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	932.66	100.73
28 46 13 31-1383	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	893.57	100.73
28 46 13 31-1384	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	1,029.87	100.73
28 46 13 31-1385	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	1,021.42	100.73
28 46 13 31-1386	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	984.09	50.36
28 46 13 31-1387	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	984.09	50.36
28 46 13 31-1388	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,217.61	50.36
28 46 13 31-1389	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,163.72	50.36
28 46 13 31-1390	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,235.57	100.73
28 46 13 31-1391	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,235.57	100.73
28 46 13 31-1392	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	874.55	100.73
28 46 13 31-1393	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	874.55	100.73
28 46 13 31-1394	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	942.17	100.73
28 46 13 31-1395	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	942.17	100.73
28 46 13 31-1396	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	761.48	100.73
28 46 13 31-1397	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	893.57	100.73
28 46 13 31-1398	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	191.02	16.78
28 46 13 31-1399	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,547.15	33.58
28 46 13 31-1400	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	229.62	33.58
28 46 13 31-1401	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,776.51	33.58
28 46 13 31-1402	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	905.19	100.73
28 46 13 31-1403	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	942.17	100.73
28 46 13 31-1404	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	844.84	33.58
28 46 13 31-1405	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	873.49	100.73
28 46 13 31-1406	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	853.41	100.73
28 46 13 31-1407		**Network Control Annunciators** *(28 46 13 31-1125)*		
28 46 13 31-1408	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	3,145.06	100.73
28 46 13 31-1409	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	113.43	20.15
28 46 13 31-1410	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	79.54	20.15
28 46 13 31-1411		**FIRSTVISION Firefighter's Display** *(28 46 13 31-1125)*		
28 46 13 31-1412	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	24,094.14	671.53
28 46 13 31-1413		**FlashScan Addressable Modules** *(28 46 13 31-1125)*		
28 46 13 31-1414	EA	Intelligent Addressable Control Module (Notifier FCM-1)	261.61	33.58
28 46 13 31-1415	EA	Addressable Dual Monitor Module (Notifier FDM-1)	293.72	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1416	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	215.22	33.58
28 46 13 31-1417	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	190.25	33.58
28 46 13 31-1418	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	406.11	33.58
28 46 13 31-1419	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	194.44	33.58
28 46 13 31-1420	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	332.97	33.58
28 46 13 31-1421	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	211.65	33.58
28 46 13 31-1422		**Addressable Device Bases And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1423	EA	Intelligent Detector Base With Flange (Notifier B710LP)	66.66	16.78
28 46 13 31-1424	EA	Weatherproof Device Housing (Notifier DH400OE-1)	693.33	33.58
28 46 13 31-1425	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	62.76	16.78
28 46 13 31-1426	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	329.91	16.78
28 46 13 31-1427	EA	Swift AV Base Wall (Notifier WAV-RL)	329.91	16.78
28 46 13 31-1428		**XP6/XP10 Transponder** *(28 46 13 31-1125)*		
28 46 13 31-1429	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	189.35	33.58
28 46 13 31-1430	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	1,001.97	33.58
28 46 13 31-1431	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,216.05	33.58
28 46 13 31-1432	EA	Six Relay Control Module (Notifier XP6-R)	962.72	33.58
28 46 13 31-1433	EA	Ten Input Monitor Module (Notifier XP10-M)	1,162.53	33.58
28 46 13 31-1434		**LCD Display Annunciators** *(28 46 13 31-1125)*		
28 46 13 31-1435	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,262.94	100.73
28 46 13 31-1436	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,789.22	100.73
28 46 13 31-1437	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,853.44	100.73
28 46 13 31-1438	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	941.28	33.58
28 46 13 31-1439	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	500.78	33.58
28 46 13 31-1440	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,218.16	33.58
28 46 13 31-1441	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	632.57	100.73
28 46 13 31-1442		**ONYX ACM And AEM Series LED Annunciators** *(28 46 13 31-1125)*		
28 46 13 31-1443	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	540.83	33.58
28 46 13 31-1444	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,332.01	33.58
28 46 13 31-1445	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	1,016.24	33.58
28 46 13 31-1446	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,332.01	33.58
28 46 13 31-1447	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	1,016.24	33.58
28 46 13 31-1448	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	1,016.24	33.58
28 46 13 31-1449	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	909.20	33.58
28 46 13 31-1450	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	1,016.24	33.58
28 46 13 31-1451	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	909.20	33.58
28 46 13 31-1452		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-1125)*		
28 46 13 31-1453	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	394.77	67.15
28 46 13 31-1454	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	432.24	67.15
28 46 13 31-1455	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	494.36	83.94
28 46 13 31-1456	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	542.53	83.94
28 46 13 31-1457	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	880.85	117.51
28 46 13 31-1458	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	157.14	20.15
28 46 13 31-1459	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	242.24	67.15
28 46 13 31-1460	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	195.13	16.78
28 46 13 31-1461	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	310.93	67.15
28 46 13 31-1462	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	567.51	83.94
28 46 13 31-1463	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	365.57	16.78
28 46 13 31-1464	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	929.02	117.51
28 46 13 31-1465	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	616.83	20.15
28 46 13 31-1466	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	236.03	26.86
28 46 13 31-1467	EA	Annunciator Key Switch (Notifier AKS-1B)	117.69	10.07
28 46 13 31-1468	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	142.97	33.58
28 46 13 31-1469	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	909.20	33.58
28 46 13 31-1470	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	205.08	6.71
28 46 13 31-1471	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	256.56	6.71
28 46 13 31-1472	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	746.85	33.58
28 46 13 31-1473	EA	Lamp Driver Module (Notifier LDM-R32)	999.63	33.58
28 46 13 31-1474	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	927.55	33.58
28 46 13 31-1475	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	263.43	6.71
28 46 13 31-1476	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	238.80	20.15
28 46 13 31-1477	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	142.56	20.15
28 46 13 31-1478	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	142.56	20.15
28 46 13 31-1479	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	228.50	20.15
28 46 13 31-1480	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	228.50	20.15
28 46 13 31-1481	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	594.36	33.58
28 46 13 31-1482		**Network Gateways** *(28 46 13 31-1125)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1483	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	3,342.77	33.58
28 46 13 31-1484	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,488.99	33.58
28 46 13 31-1485	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,803.87	33.58
28 46 13 31-1486	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,089.17	33.58
28 46 13 31-1487	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	2,511.18	33.58
28 46 13 31-1488	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,443.56	33.58
28 46 13 31-1489	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,751.04	33.58
28 46 13 31-1490	EA	Modbus Gateway (Notifier MODBUS-GW)	2,740.47	33.58
28 46 13 31-1491	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,174.07	22.16
28 46 13 31-1492	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,716.78	22.16
28 46 13 31-1493	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	14,934.58	22.16
28 46 13 31-1494	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	752.86	50.36
28 46 13 31-1495	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,382.76	50.36
28 46 13 31-1496	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,020.06	50.36
28 46 13 31-1497	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,251.07	
28 46 13 31-1498	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,884.91	33.58
28 46 13 31-1499	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,884.91	33.58
28 46 13 31-1500	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	3,797.12	33.58
28 46 13 31-1501	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,420.55	33.58
28 46 13 31-1502	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,797.12	33.58
28 46 13 31-1503	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,884.91	33.58
28 46 13 31-1504	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,778.53	
28 46 13 31-1505	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	28,392.77	805.84
28 46 13 31-1506	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,043.98	
28 46 13 31-1507	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,043.98	
28 46 13 31-1508	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,166.07	33.58
28 46 13 31-1509	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	951.57	33.58
28 46 13 31-1510	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,130.14	33.58
28 46 13 31-1511	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,260.11	33.58
28 46 13 31-1512	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	2,613.68	33.58
28 46 13 31-1513	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,675.66	33.58
28 46 13 31-1514	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	2,964.22	
28 46 13 31-1515	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,616.57	22.16
28 46 13 31-1516	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	512.43	33.58

28 46 13 31-1517 NOTI-FIRE-NET Network Components *(28 46 13 31-1125)*

28 46 13 31-1518	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,884.91	33.58
28 46 13 31-1519	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,720.92	33.58
28 46 13 31-1520	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,884.91	33.58
28 46 13 31-1521	EA	Wired Network Communications Module (Notifier NCM-W)	1,638.85	33.58
28 46 13 31-1522	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	141.53	16.78

28 46 13 31-1523 FireWarden Addressable Fire Panels *(28 46 13 31-1125)*

28 46 13 31-1524	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	3,046.79	671.53
28 46 13 31-1525	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,680.11	671.53
28 46 13 31-1526	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	3,145.71	335.77
28 46 13 31-1527	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	3,145.71	335.77
28 46 13 31-1528	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	3,133.04	335.77
28 46 13 31-1529	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	3,566.26	671.53
28 46 13 31-1530	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	2,619.50	671.53

28 46 13 31-1531 FireWarden Accessories *(28 46 13 31-1125)*

28 46 13 31-1532	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	235.74	50.36
28 46 13 31-1533	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	224.30	50.36

28 46 13 31-1534 FireWarden Devices *(28 46 13 31-1125)*

28 46 13 31-1535	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	209.87	33.58
28 46 13 31-1536	EA	Intelligent Addressable Control Module (Notifier NC-100)	252.69	33.58
28 46 13 31-1537	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	241.98	33.58
28 46 13 31-1538	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	499.46	50.36
28 46 13 31-1539	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	603.93	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1540	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	241.98	33.58
28 46 13 31-1541	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	239.88	50.36
28 46 13 31-1542	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	239.88	50.36
28 46 13 31-1543	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	239.88	50.36
28 46 13 31-1544	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	332.65	50.36
28 46 13 31-1545	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	206.30	33.58
28 46 13 31-1546	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	185.79	33.58
28 46 13 31-1547	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	285.69	33.58
28 46 13 31-1548	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	252.37	50.36
28 46 13 31-1549	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	322.26	33.58
28 46 13 31-1550	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,187.50	33.58
28 46 13 31-1551		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1552	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,966.46	537.22
28 46 13 31-1553	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	2,196.60	537.22
28 46 13 31-1554	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,320.31	167.89
28 46 13 31-1555	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,488.32	167.89
28 46 13 31-1556	EA	Class A Converter Module (Notifier CAC-4)	448.15	33.58
28 46 13 31-1557	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	164.14	20.15
28 46 13 31-1558	EA	Remote Zone Annunciator (Notifier RZA-4X)	241.46	50.36
28 46 13 31-1559	EA	Red, Dress Panel (Notifier DP-51050)	197.61	20.15
28 46 13 31-1560	EA	Black, Dress Panel (Notifier DP-51050B)	199.90	20.15
28 46 13 31-1561		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1562	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	3,118.15	671.53
28 46 13 31-1563	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,589.24	503.65
28 46 13 31-1564	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	3,028.44	335.77
28 46 13 31-1565	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	3,028.44	335.77
28 46 13 31-1566	EA	Class A Converter Module (Notifier N-CAC-5X)	464.17	33.58
28 46 13 31-1567	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	177.59	20.15
28 46 13 31-1568	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	3,959.89	503.65
28 46 13 31-1569	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	2,623.73	335.77
28 46 13 31-1570	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,601.54	335.77
28 46 13 31-1571		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1572	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	5,591.08	671.53
28 46 13 31-1573	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	4,181.02	503.65
28 46 13 31-1574	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,617.67	671.53
28 46 13 31-1575	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	4,852.56	671.53
28 46 13 31-1576	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	965.01	100.73
28 46 13 31-1577	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	4,886.09	671.53
28 46 13 31-1578	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	3,646.07	503.65
28 46 13 31-1579	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	4,291.19	671.53
28 46 13 31-1580		**Smoke Detectors** *(28 46 13 31-1125)*		
28 46 13 31-1581	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	357.63	50.36
28 46 13 31-1582	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	618.09	50.36
28 46 13 31-1583	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,493.67	50.36
28 46 13 31-1584	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	211.71	50.36
28 46 13 31-1585	EA	Filters For Harsh Detector (Notifier RF-FTX)	25.83	
28 46 13 31-1586	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	214.78	33.58
28 46 13 31-1587	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	1,839.98	50.36
28 46 13 31-1588	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	220.01	50.36
28 46 13 31-1589	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	238.89	50.36
28 46 13 31-1590	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	229.45	50.36
28 46 13 31-1591	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	246.61	50.36
28 46 13 31-1592	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	230.59	50.36
28 46 13 31-1593	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	247.75	50.36
28 46 13 31-1594	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	189.97	50.36
28 46 13 31-1595	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	189.97	50.36
28 46 13 31-1596	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	205.99	50.36
28 46 13 31-1597	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	205.99	50.36
28 46 13 31-1598	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	189.97	50.36
28 46 13 31-1599	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	205.99	50.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1600	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	487.45	50.36
28 46 13 31-1601	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	521.78	50.36
28 46 13 31-1602	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	486.31	50.36
28 46 13 31-1603	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	448.55	50.36
28 46 13 31-1604	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	408.51	50.36
28 46 13 31-1605	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	408.51	50.36
28 46 13 31-1606	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	300.96	50.36
28 46 13 31-1607	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	2,823.72	50.36
28 46 13 31-1608	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,457.81	50.36
28 46 13 31-1609		**Pull Stations** *(28 46 13 31-1125)*		
28 46 13 31-1610	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	37.23	6.71
28 46 13 31-1611	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	94.56	16.78
28 46 13 31-1612	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	81.18	16.78
28 46 13 31-1613	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	125.59	33.58
28 46 13 31-1614	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	138.29	33.58
28 46 13 31-1615	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	188.26	33.58
28 46 13 31-1616	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	125.59	33.58
28 46 13 31-1617	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	144.22	33.58
28 46 13 31-1618	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	144.22	33.58
28 46 13 31-1619	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	144.22	33.58
28 46 13 31-1620	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	136.60	33.58
28 46 13 31-1621	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	147.61	33.58
28 46 13 31-1622	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	942.81	40.29
28 46 13 31-1623	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	109.60	33.58
28 46 13 31-1624	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	114.52	33.58
28 46 13 31-1625	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	140.74	33.58
28 46 13 31-1626	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	339.26	40.29
28 46 13 31-1627	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	168.69	33.58
28 46 13 31-1628	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	142.66	33.58
28 46 13 31-1629	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	287.47	33.58
28 46 13 31-1630	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	69.33	6.71
28 46 13 31-1631	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	475.31	40.29
28 46 13 31-1632		**Rate Compensation Heat Detectors** *(28 46 13 31-1125)*		
28 46 13 31-1633	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	257.72	50.36
28 46 13 31-1634	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	257.72	50.36
28 46 13 31-1635		**FM Series Door Releases** *(28 46 13 31-1125)*		
28 46 13 31-1636	EA	1/2" Door Holder Spacer (Notifier FM900-50)	41.56	10.07
28 46 13 31-1637	EA	3/4" Door Holder Spacer (Notifier FM900-75)	41.56	10.07
28 46 13 31-1638	EA	1" Door Holder Spacer (Notifier FM900-100)	41.56	10.07
28 46 13 31-1639	EA	Door Holder Extension Kit (Notifier FM900)	44.23	10.07
28 46 13 31-1640	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	45.13	10.07
28 46 13 31-1641	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	289.61	50.36
28 46 13 31-1642	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	250.59	50.36
28 46 13 31-1643	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	250.59	50.36
28 46 13 31-1644		**Multicriteria Fire Detector** *(28 46 13 31-1125)*		
28 46 13 31-1645	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	358.16	50.36
28 46 13 31-1646	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	357.02	50.36
28 46 13 31-1647	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	235.74	50.36
28 46 13 31-1648	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	243.75	50.36
28 46 13 31-1649	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	358.16	50.36
28 46 13 31-1650		**Modules** *(28 46 13 31-1125)*		
28 46 13 31-1651	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	422.98	33.58
28 46 13 31-1652	EA	Addressable Firephone Control Module (Notifier FTM-1)	263.94	33.58
28 46 13 31-1653	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	409.25	33.58
28 46 13 31-1654	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	472.18	33.58
28 46 13 31-1655	EA	Wireless Sync Module (Notifier W-SYNC)	450.71	33.58
28 46 13 31-1656		**DH Series Door Releases** *(28 46 13 31-1125)*		
28 46 13 31-1657	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	224.01	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1658	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	238.03	50.36
28 46 13 31-1659	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	251.19	50.36
28 46 13 31-1660	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	247.75	50.36
28 46 13 31-1661	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	259.19	50.36
28 46 13 31-1662	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	268.92	50.36
28 46 13 31-1663	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	224.01	50.36
28 46 13 31-1664	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	236.31	50.36
28 46 13 31-1665	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	251.19	50.36
28 46 13 31-1666	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	282.65	50.36
28 46 13 31-1667	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	300.96	50.36
28 46 13 31-1668	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	322.12	50.36
28 46 13 31-1669	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	327.27	50.36
28 46 13 31-1670	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	349.01	50.36
28 46 13 31-1671	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	375.33	50.36
28 46 13 31-1672	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	25.96	6.71
28 46 13 31-1673	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	25.96	6.71
28 46 13 31-1674	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	28.30	6.71
28 46 13 31-1675	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	25.96	6.71
28 46 13 31-1676	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	25.96	6.71
28 46 13 31-1677	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	28.30	6.71
28 46 13 31-1678	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	27.16	6.71
28 46 13 31-1679	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	27.16	6.71
28 46 13 31-1680	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	28.30	6.71
28 46 13 31-1681	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	29.62	6.71
28 46 13 31-1682	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	29.62	6.71
28 46 13 31-1683	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	29.62	6.71
28 46 13 31-1684	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	30.82	6.71
28 46 13 31-1685	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	30.82	6.71
28 46 13 31-1686	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	30.82	6.71
28 46 13 31-1687	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	32.14	6.71
28 46 13 31-1688	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	32.14	6.71
28 46 13 31-1689	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	33.34	6.71
28 46 13 31-1690	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	33.34	6.71
28 46 13 31-1691	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	34.65	6.71
28 46 13 31-1692	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	38.37	6.71
28 46 13 31-1693	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	37.11	6.71
28 46 13 31-1694	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	35.86	6.71
28 46 13 31-1695	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	38.37	6.71
28 46 13 31-1696	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	36.34	10.07
28 46 13 31-1697	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	37.54	10.07
28 46 13 31-1698	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	41.37	10.07
28 46 13 31-1699	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	66.26	10.07
28 46 13 31-1700	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	69.92	10.07
28 46 13 31-1701	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	73.58	10.07
28 46 13 31-1702	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	62.18	16.78
28 46 13 31-1703	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	64.70	16.78
28 46 13 31-1704	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	69.74	16.78
28 46 13 31-1705	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	

28 46 13 31-1706 First Command *(28 46 13 31-1125)*

28 46 13 31-1707	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	6,812.92	839.42
28 46 13 31-1708	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	6,876.31	839.42
28 46 13 31-1709	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,810.27	67.15
28 46 13 31-1710	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,857.82	67.15
28 46 13 31-1711	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	3,290.64	67.15
28 46 13 31-1712	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	3,396.30	67.15
28 46 13 31-1713	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	845.26	33.58
28 46 13 31-1714	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	845.26	33.58
28 46 13 31-1715	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	529.39	33.58
28 46 13 31-1716	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	689.52	33.58
28 46 13 31-1717	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	2,440.04	67.15
28 46 13 31-1718	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	2,389.32	67.15
28 46 13 31-1719	EA	Black, Remote Microphone (Notifier NFC-RM)	689.69	
28 46 13 31-1720	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	2,024.77	67.15
28 46 13 31-1721	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	402.39	33.58
28 46 13 31-1722	EA	Firefighters Phone Jack (Notifier N-FPJ)	183.19	10.07
28 46 13 31-1723	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	51.73	10.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1724	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	165.29	20.15
28 46 13 31-1725		**LED Displays** *(28 46 13 31-1125)*		
28 46 13 31-1726	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,889.56	40.29
28 46 13 31-1727	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,655.02	53.73
28 46 13 31-1728	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,685.67	53.73
28 46 13 31-1729	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,580.00	53.73
28 46 13 31-1730	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	3,604.95	53.73
28 46 13 31-1731	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,738.50	53.73
28 46 13 31-1732		**Control Relays** *(28 46 13 31-1125)*		
28 46 13 31-1733	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	82.44	16.78
28 46 13 31-1734	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	63.10	16.78
28 46 13 31-1735	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	224.47	33.58
28 46 13 31-1736	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	125.40	16.78
28 46 13 31-1737	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	149.14	16.78
28 46 13 31-1738	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	230.76	33.58
28 46 13 31-1739	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	230.76	33.58
28 46 13 31-1740	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	119.78	33.58
28 46 13 31-1741	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	68.13	16.78
28 46 13 31-1742	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	245.07	33.58
28 46 13 31-1743	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	87.97	33.58
28 46 13 31-1744	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	87.97	33.58
28 46 13 31-1745	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	87.97	33.58
28 46 13 31-1746		**Gamewell-FCI Fire Control Instruments** *(28 46 13 31-1125)*		
28 46 13 31-1747		**7100 Series And NetSOLO®** *(28 46 13 31-1746)*		
28 46 13 31-1748		**7100 Compact Analog Addressable Fire Alarm Control Panels** *(28 46 13 31-1747)*		
28 46 13 31-1749	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,218.89	402.92
28 46 13 31-1750	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	5,218.58	671.53
28 46 13 31-1751	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	5,699.34	671.53
28 46 13 31-1752	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	5,218.58	671.53
28 46 13 31-1753	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	5,699.34	671.53
28 46 13 31-1754	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,615.52	
28 46 13 31-1755	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,937.15	
28 46 13 31-1756	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,937.15	67.15
28 46 13 31-1757		**NetSOLO® Intelligent Network** *(28 46 13 31-1747)*		
28 46 13 31-1758	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	2,148.75	67.15
28 46 13 31-1759	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,706.93	67.15
28 46 13 31-1760		**Components And Accessories** *(28 46 13 31-1747)*		
28 46 13 31-1761	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,058.86	50.36
28 46 13 31-1762	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	804.66	67.15
28 46 13 31-1763	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,476.71	67.15
28 46 13 31-1764	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	594.75	67.15
28 46 13 31-1765	EA	Enclosure Box (Gamewell-FCI EN-7100)	483.61	134.31
28 46 13 31-1766	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,543.28	33.58
28 46 13 31-1767		**E3 Series® Basic System** *(28 46 13 31-1746)*		
28 46 13 31-1768	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,420.18	67.15
28 46 13 31-1769	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,221.12	67.15
28 46 13 31-1770	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,420.18	67.15
28 46 13 31-1771	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,221.12	67.15
28 46 13 31-1772	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	902.93	67.15
28 46 13 31-1773	EA	Power Supply Module (Gamewell-FCI PM-9)	1,182.59	67.15
28 46 13 31-1774	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	995.57	67.15
28 46 13 31-1775	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	985.08	33.58
28 46 13 31-1776	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	565.62	67.15
28 46 13 31-1777	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,516.75	67.15
28 46 13 31-1778	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,270.66	67.15
28 46 13 31-1779	EA	Local Operating Console (Gamewell-FCI 1100-0455)	848.13	50.36
28 46 13 31-1780	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,735.03	50.36
28 46 13 31-1781	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,084.96	67.15
28 46 13 31-1782	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,307.95	67.15
28 46 13 31-1783	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	763.15	134.31
28 46 13 31-1784	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	561.50	134.31
28 46 13 31-1785	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	123.16	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1786	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	760.54	67.15
28 46 13 31-1787	EA	LED Driver module (Gamewell-FCI ANU-48)	760.54	67.15
28 46 13 31-1788	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,293.26	50.36
28 46 13 31-1789		**Addressable Devices, Module, Pulls And Accessories** *(28 46 13 31-1746)*		
28 46 13 31-1790		**Velociti® Series Sensors And Bases** *(28 46 13 31-1789)*		
28 46 13 31-1791	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	239.54	50.36
28 46 13 31-1792	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	244.62	50.36
28 46 13 31-1793	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	259.85	50.36
28 46 13 31-1794	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	198.91	50.36
28 46 13 31-1795	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	207.38	50.36
28 46 13 31-1796	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	198.91	50.36
28 46 13 31-1797	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	295.40	50.36
28 46 13 31-1798	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	650.89	50.36
28 46 13 31-1799	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	548.77	83.94
28 46 13 31-1800	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	616.48	83.94
28 46 13 31-1801	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	298.24	
28 46 13 31-1802	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	60.66	16.78
28 46 13 31-1803	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	701.68	50.36
28 46 13 31-1804	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	139.38	16.78
28 46 13 31-1805	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,486.75	100.73
28 46 13 31-1806		**Velociti® Series Modules And Pull Station** *(28 46 13 31-1789)*		
28 46 13 31-1807	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	174.64	33.58
28 46 13 31-1808	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	282.14	33.58
28 46 13 31-1809	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	191.57	33.58
28 46 13 31-1810	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	270.29	33.58
28 46 13 31-1811	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	225.43	33.58
28 46 13 31-1812	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	233.89	33.58
28 46 13 31-1813	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	326.44	67.15
28 46 13 31-1814	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	241.51	33.58
28 46 13 31-1815	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	38.82	6.71
28 46 13 31-1816		**Components And Accessories** *(28 46 13 31-1789)*		
28 46 13 31-1817	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	96.05	26.86
28 46 13 31-1818	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	48.02	13.43
28 46 13 31-1819	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	51.41	13.43
28 46 13 31-1820	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	61.51	16.78
28 46 13 31-1821	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	99.54	20.15
28 46 13 31-1822	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	148.53	26.86
28 46 13 31-1823		**Fixed And Rate of Rise Heat Detectors** *(28 46 13 31-1789)*		
28 46 13 31-1824	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	129.51	50.36
28 46 13 31-1825	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	129.51	50.36
28 46 13 31-1826	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	127.85	50.36
28 46 13 31-1827	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	127.85	50.36
28 46 13 31-1828		**NAC Expander/Power Supply** *(28 46 13 31-1789)*		
28 46 13 31-1829	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	2,293.28	537.22
28 46 13 31-1830	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,971.65	537.22
28 46 13 31-1831	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	2,132.47	537.22
28 46 13 31-1832		**Batteries And Accessories** *(28 46 13 31-1746)*		
28 46 13 31-1833	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	358.31	33.58
28 46 13 31-1834	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	910.17	33.58
28 46 13 31-1835	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	189.03	33.58
28 46 13 31-1836	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	440.71	67.15
28 46 13 31-1837	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	440.71	67.15
28 46 13 31-1838	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	391.62	67.15
28 46 13 31-1839		**Electronic Door Holders** *(28 46 13 31-1746)* Note: Rixson products.		
28 46 13 31-1840	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	63.20	6.71
28 46 13 31-1841	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	507.00	50.36
28 46 13 31-1842	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	691.52	50.36
28 46 13 31-1843	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	323.17	50.36
28 46 13 31-1844	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	307.93	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1845	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	323.17	50.36
28 46 13 31-1846	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	322.49	50.36
28 46 13 31-1847		**Fire Alarm Programming** *(28 46 13 31-1746)*		
		Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1848	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1849	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1850	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1851		**Fire-Lite Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-1852		**Intelligent Addressable Fire Alarm Control Panel** *(28 46 13 31-1851)*		
28 46 13 31-1853	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,375.87	268.62
28 46 13 31-1854	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,765.62	302.19
28 46 13 31-1855	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,619.54	335.77
28 46 13 31-1856	EA	Loop Expander Module (Fire-Lite SLC-3LS)	771.55	50.36
28 46 13 31-1857	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F)	217.71	33.58
28 46 13 31-1858	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	305.96	33.58
28 46 13 31-1859	EA	Battery Back Box (Fire-Lite BB-26)	187.93	20.15
28 46 13 31-1860	EA	Battery Box (Fire-Lite BB-55F)	344.57	20.15
28 46 13 31-1861	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	95.68	13.43
28 46 13 31-1862	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75)	806.40	33.58
28 46 13 31-1863	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,718.26	67.15
28 46 13 31-1864	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	934.40	33.58
28 46 13 31-1865	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	965.35	33.58
28 46 13 31-1866	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80)	380.58	33.58
28 46 13 31-1867	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	464.80	33.58
28 46 13 31-1868	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	407.04	33.58
28 46 13 31-1869	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED)	407.04	33.58
28 46 13 31-1870	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	328.16	33.58
28 46 13 31-1871	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG)	321.03	33.58
28 46 13 31-1872	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365 A)	170.27	50.36
28 46 13 31-1873	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T A)	189.75	50.36
28 46 13 31-1874	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R A)	195.33	50.36
28 46 13 31-1875	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO)	342.62	50.36
28 46 13 31-1876	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365 A)	163.31	50.36
28 46 13 31-1877	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R A)	182.71	50.36
28 46 13 31-1878	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT A)	214.34	50.36
28 46 13 31-1879	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	656.83	50.36
28 46 13 31-1880	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355 A)	248.78	50.36
28 46 13 31-1881	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355 A)	170.27	50.36
28 46 13 31-1882	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T A)	217.29	50.36
28 46 13 31-1883	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R A)	242.20	50.36
28 46 13 31-1884	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO)	180.70	50.36
28 46 13 31-1885	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355 A)	216.64	50.36
28 46 13 31-1886	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R A)	209.96	50.36
28 46 13 31-1887	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT A)	244.40	50.36
28 46 13 31-1888	EA	Low-Profile, Intelligent, 'Adapt' Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355 A)	238.91	50.36
28 46 13 31-1889	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH)	152.09	33.58
28 46 13 31-1890	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	174.70	33.58
28 46 13 31-1891	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	199.07	33.58
28 46 13 31-1892	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	203.17	33.58
28 46 13 31-1893	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355)	1,784.16	50.36
28 46 13 31-1894	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	2,040.79	50.36
28 46 13 31-1895	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL A)	292.84	33.58
28 46 13 31-1896	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR A)	180.06	33.58
28 46 13 31-1897	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	273.82	33.58
28 46 13 31-1898	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300)	116.99	20.15
28 46 13 31-1899	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6)	594.75	33.58
28 46 13 31-1900	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	176.92	33.58
28 46 13 31-1901	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6)	497.63	33.58
28 46 13 31-1902	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300)	95.76	16.78
28 46 13 31-1903	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	446.38	33.58
28 46 13 31-1904	EA	Dual Monitor Module (Fire-Lite MDF-300)	214.09	33.58
28 46 13 31-1905	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	95.50	16.78
28 46 13 31-1906	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10)	643.29	33.58
28 46 13 31-1907	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301)	127.43	26.86
28 46 13 31-1908	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302)	180.72	33.58
28 46 13 31-1909	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6)	636.29	33.58
28 46 13 31-1910	EA	Mount For Modules (Fire-Lite SMB500)	19.26	3.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1911		**Addressable Control Panels** *(28 46 13 31-1851)*		
28 46 13 31-1912	EA	25 Point Intelligent Control (Fire Lite MS-25)	2,258.20	671.53
28 46 13 31-1913	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	2,480.85	671.53
28 46 13 31-1914	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,495.56	671.53
28 46 13 31-1915	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	5,143.51	671.53
28 46 13 31-1916	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	5,043.31	671.53
28 46 13 31-1917	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	696.75	
28 46 13 31-1918		**Silent Knight Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-1919		**Addressable Fire Alarm Control Panel** *(28 46 13 31-1918)*		
28 46 13 31-1920	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,697.41	335.77
28 46 13 31-1921		**Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System** *(28 46 13 31-1918)*		
28 46 13 31-1922	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	5,183.83	335.77
28 46 13 31-1923		**Compatable EVS Equipment** *(28 46 13 31-1918)*		
28 46 13 31-1924	EA	50 Watt Amplifier (Silent Knight EVS-50W)	946.71	67.15
28 46 13 31-1925	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,650.67	67.15
28 46 13 31-1926	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	2,048.92	67.15
28 46 13 31-1927	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	727.88	67.15
28 46 13 31-1928	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	685.16	67.15
28 46 13 31-1929	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	248.01	16.78
28 46 13 31-1930	EA	Remote Voice Module (Silent Knight EVS-RVM)	1,097.11	26.86
28 46 13 31-1931	EA	24 Switch Expander (Silent Knight EVS-SW24)	439.35	33.58
28 46 13 31-1932	EA	Network Voice Control Module (Silent Knight EVS-VCM)	1,312.16	26.86
28 46 13 31-1933	EA	Local Operator Consoule (Silent Knight EVS-LOC)	1,772.29	67.15
28 46 13 31-1934		**Compatable SBUS Devices** *(28 46 13 31-1918)*		
28 46 13 31-1935	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	1,066.51	67.15
28 46 13 31-1936	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	485.36	67.15
28 46 13 31-1937	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	575.63	67.15
28 46 13 31-1938	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	383.04	67.15
28 46 13 31-1939	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	488.75	67.15
28 46 13 31-1940	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	515.90	67.15
28 46 13 31-1941	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	402.62	50.36
28 46 13 31-1942	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	244.78	33.58
28 46 13 31-1943	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	329.21	33.58
28 46 13 31-1944		**SK Compatible Addressable Device** *(28 46 13 31-1918)*		
28 46 13 31-1945	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	177.90	50.36
28 46 13 31-1946	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	973.66	50.36
28 46 13 31-1947	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	1,102.69	50.36
28 46 13 31-1948	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,242.61	50.36
28 46 13 31-1949	EA	Supervised Control Module (Silent Knight SK-CONTROL)	176.20	50.36
28 46 13 31-1950	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	514.78	67.15
28 46 13 31-1951	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	280.86	50.36
28 46 13 31-1952	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	254.26	50.36
28 46 13 31-1953	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	283.00	50.36
28 46 13 31-1954	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	162.49	50.36
28 46 13 31-1955	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	166.86	50.36
28 46 13 31-1956	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	164.21	50.36
28 46 13 31-1957	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	166.86	50.36
28 46 13 31-1958	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	162.49	50.36
28 46 13 31-1959	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	166.86	50.36
28 46 13 31-1960	EA	Fault Isolator Module (Silent Knight SK-ISO)	162.49	50.36
28 46 13 31-1961	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	150.47	50.36
28 46 13 31-1962	EA	Monitor Module (Silent Knight SK-MONITOR)	159.36	50.36
28 46 13 31-1963	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	203.67	50.36
28 46 13 31-1964	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	579.29	67.15
28 46 13 31-1965	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	165.92	50.36
28 46 13 31-1966	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	174.92	50.36
28 46 13 31-1967	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	168.48	50.36
28 46 13 31-1968	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	177.61	50.36
28 46 13 31-1969	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	172.78	50.36
28 46 13 31-1970	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	181.89	50.36
28 46 13 31-1971	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	192.63	50.36
28 46 13 31-1972	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	153.90	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1973	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	153.90	33.58
28 46 13 31-1974	EA	Addressable Relay Module (Silent Knight SK-RELAY)	142.62	33.58
28 46 13 31-1975	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	501.54	67.15
28 46 13 31-1976	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	315.16	50.36
28 46 13 31-1977	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	189.94	50.36
28 46 13 31-1978	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	602.46	67.15
28 46 13 31-1979		**SK Bases** *(28 46 13 31-1918)*		
28 46 13 31-1980	EA	6" Mounting Base (Silent Knight B210LP)	47.73	16.78
28 46 13 31-1981	EA	4" Flangeless Mounting Base (Silent Knight B501)	50.59	16.78
28 46 13 31-1982	EA	Intelligent Sounder Base (Silent Knight B200S)	95.32	16.78
28 46 13 31-1983	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	131.37	16.78
28 46 13 31-1984	EA	Relay Base (Silent Knight B224RB)	78.88	16.78
28 46 13 31-1985	EA	Isolator Base (Silent Knight B224BI)	78.00	16.78
28 46 13 31-1986		**SD Compatible Addressable Device** *(28 46 13 31-1918)*		
28 46 13 31-1987	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	45.92	16.78
28 46 13 31-1988	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	61.00	16.78
28 46 13 31-1989	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	161.85	16.78
28 46 13 31-1990	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	167.50	16.78
28 46 13 31-1991	EA	Addressable Input Module (Silent Knight SD500-AIM)	273.55	50.36
28 46 13 31-1992	EA	Addressable Notification Module (Silent Knight SD500-ANM)	262.00	50.36
28 46 13 31-1993	EA	Addressable Relay Module (Silent Knight SD500-ARM)	281.97	50.36
28 46 13 31-1994		**System Expanders** *(28 46 13 31-1918)*		
28 46 13 31-1995	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	574.03	67.15
28 46 13 31-1996	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	507.41	67.15
28 46 13 31-1997	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	887.65	33.58
28 46 13 31-1998	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	633.93	100.73
28 46 13 31-1999		**Miscellaneous Accessories** *(28 46 13 31-1918)*		
28 46 13 31-2000	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	154.63	33.58
28 46 13 31-2001		**Silent Knight Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-2002	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,599.07	335.77
28 46 13 31-2003	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,319.69	201.46
28 46 13 31-2004	EA	Voice Evacuation System (Silent Knight SKE-450)	2,777.59	134.31
28 46 13 31-2005	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,302.91	134.31
28 46 13 31-2006	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,451.11	201.46
28 46 13 31-2007	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,751.38	134.31
28 46 13 31-2008	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,336.75	134.31
28 46 13 31-2009	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,151.48	134.31
28 46 13 31-2010	EA	Ionization Smoke Detector (Silent Knight SK-ION)	220.20	50.36
28 46 13 31-2011	EA	Sounder Base (Silent Knight B200SR)	124.69	16.78
28 46 13 31-2012	EA	Intelligent Sounder Base (Silent Knight B200S)	132.09	16.78
28 46 13 31-2013	EA	Isolator Base (Silent Knight B224BI)	103.78	16.78
28 46 13 31-2014	EA	Relay Base (Silent Knight B224RB)	104.99	16.78
28 46 13 31-2015	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	215.47	50.36
28 46 13 31-2016	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	197.36	50.36
28 46 13 31-2017	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	201.69	50.36
28 46 13 31-2018	EA	6" Isolator Base (Silent Knight SD505-6IB)	130.87	16.78
28 46 13 31-2019	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	867.04	100.73
28 46 13 31-2020	EA	Loop Isolation Module (Silent Knight SD500-LIM)	209.09	50.36
28 46 13 31-2021	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	164.44	33.58
28 46 13 31-2022	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	211.82	33.58
28 46 13 31-2023	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	202.33	33.58
28 46 13 31-2024	EA	Back Box (Silent Knight SK-PSSMBB)	93.44	26.86
28 46 13 31-2025	EA	Smoke Detector Module (Silent Knight SD500-SDM)	233.53	50.36
28 46 13 31-2026	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	337.73	50.36
28 46 13 31-2027	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	491.91	50.36
28 46 13 31-2028	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	206.63	50.36
28 46 13 31-2029	EA	Intelligent Power Module (Silent Knight 5895XL)	1,249.83	134.31
28 46 13 31-2030	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	202.33	33.58
28 46 13 31-2031	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	704.63	100.73
28 46 13 31-2032	EA	Communicator (Silent Knight IPGSM-4G)	1,040.20	67.15
28 46 13 31-2033	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,645.15	134.31
28 46 13 31-2034	EA	10 Zone Expander (Silent Knight SK-5217)	460.65	33.58
28 46 13 31-2035	EA	Remote Annunciator (Silent Knight SK-5235)	462.99	67.15
28 46 13 31-2036	EA	Status Display Module (Silent Knight 5280)	134.89	33.58
28 46 13 31-2037	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	938.77	134.31
28 46 13 31-2038	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	957.06	134.31
28 46 13 31-2039	EA	Dress Panel (Silent Knight SK-DP2/4)	177.97	33.58
28 46 13 31-2040	EA	Class A Convertor (Silent Knight SK-CAC4)	461.82	50.36
28 46 13 31-2041	EA	Transmitter Module (Silent Knight SK-4XTM	245.40	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2042	EA	LED Interface Module (Silent Knight SK-4XLM)	226.42	50.36
28 46 13 31-2043	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	230.79	33.58
28 46 13 31-2044	EA	Remote Annunciator (Silent Knight SK-RZA4)	226.42	50.36
28 46 13 31-2045	EA	Zone Relay Module (Silent Knight SK-4XZM)	243.02	50.36
28 46 13 31-2046	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	812.96	134.31
28 46 13 31-2047	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	113.07	33.58
28 46 13 31-2048	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	122.23	33.58
28 46 13 31-2049	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	119.66	33.58
28 46 13 31-2050	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	107.09	33.58
28 46 13 31-2051	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	237.11	40.29
28 46 13 31-2052	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	819.00	100.73
28 46 13 31-2053	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	919.64	100.73
28 46 13 31-2054	EA	Detector (Silent Knight IDP-PhotoR)	283.25	50.36
28 46 13 31-2055	EA	Monitoring Module (Silent Knight IDP)	292.86	50.36
28 46 13 31-2056	EA	I/O Input-Output Module (Silent Knight SK-2880)	739.61	33.58
28 46 13 31-2057	EA	Remote Annunciator (Silent Knight RA-2000)	2,122.76	100.73
28 46 13 31-2058	EA	Power Supply (Silent Knight 5195/96)	1,315.99	33.58
28 46 13 31-2059	EA	8 Zone Expander (Silent Knight SK-5210)	1,027.80	33.58
28 46 13 31-2060	EA	LCD Remote Annunciator (Silent Knight SK-5230)	439.84	67.15
28 46 13 31-2061	EA	Ionization Smoke Detector (Silent Knight SK-ION)	220.20	50.36
28 46 13 31-2062	EA	Addressable Relay Module (Silent Knight IDP-Relay)	244.83	50.36
28 46 13 31-2063	EA	Telephone Line Monitor (Silent Knight SK-7150)	153.61	33.58
28 46 13 31-2064	EA	Serial Driver Board (Silent Knight SK-2884)	280.41	33.58
28 46 13 31-2065	EA	Smoke Detector Base (Silent Knight IDP-6AB)	81.61	16.78
28 46 13 31-2066	EA	Mini Input Module (Silent Knight IDP-MINIMON)	211.25	33.58
28 46 13 31-2067	EA	Status Display Module (Silent Knight SK-4180)	758.82	33.58
28 46 13 31-2068	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	451.41	33.58
28 46 13 31-2069	EA	Serial Parallel Module (Silent Knight SK-4824)	412.98	33.58
28 46 13 31-2070	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,508.13	33.58
28 46 13 31-2071	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,574.18	134.31
28 46 13 31-2072	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	292.86	50.36
28 46 13 31-2073	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	244.83	50.36
28 46 13 31-2074		**Alerton Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2075	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	617.40	10.07
28 46 13 31-2076		**Cooper Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2077	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	207.88	33.58
28 46 13 31-2078	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,701.32	57.08
28 46 13 31-2079	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,200.93	57.08
28 46 13 31-2080	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,262.10	67.15
28 46 13 31-2081	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,275.43	67.15
28 46 13 31-2082	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,275.43	67.15
28 46 13 31-2083	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,685.58	67.15
28 46 13 31-2084	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,685.58	67.15
28 46 13 31-2085	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,685.58	67.15
28 46 13 31-2086	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,275.43	67.15
28 46 13 31-2087	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,275.43	67.15
28 46 13 31-2088	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,275.43	67.15
28 46 13 31-2089	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,275.43	67.15
28 46 13 31-2090	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,275.43	67.15
28 46 13 31-2091	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,620.34	67.15
28 46 13 31-2092	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,433.72	67.15
28 46 13 31-2093	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,433.72	67.15
28 46 13 31-2094	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,433.72	67.15
28 46 13 31-2095		**Light Engineered Displays Message Boards** *(28 46 13 31)*		
28 46 13 31-2096	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	971.55	40.29
28 46 13 31-2097	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	856.87	40.29
28 46 13 31-2098		**Safety Technology International Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2099		**Enclosures** *(28 46 13 31-2098)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2100	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	153.82	20.15
28 46 13 31-2101	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	199.44	20.15
28 46 13 31-2102	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	156.86	20.15
28 46 13 31-2103	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	200.45	20.15
28 46 13 31-2104	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	160.92	20.15
28 46 13 31-2105	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	230.86	20.15
28 46 13 31-2106	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	168.01	20.15
28 46 13 31-2107	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	229.85	20.15
28 46 13 31-2108	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	180.18	20.15
28 46 13 31-2109	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	249.11	20.15
28 46 13 31-2110	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	213.63	20.15
28 46 13 31-2111	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	322.09	20.15
28 46 13 31-2112	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	229.85	20.15
28 46 13 31-2113	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	405.21	20.15
28 46 13 31-2114	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	244.04	20.15
28 46 13 31-2115	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	417.38	20.15
28 46 13 31-2116	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	289.65	20.15
28 46 13 31-2117	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	428.53	20.15
28 46 13 31-2118	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	417.38	20.15
28 46 13 31-2119	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	618.08	20.15
28 46 13 31-2120	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	115.30	20.15
28 46 13 31-2121	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	125.44	20.15
28 46 13 31-2122	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	119.86	20.15
28 46 13 31-2123	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	128.48	20.15
28 46 13 31-2124	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	123.92	20.15
28 46 13 31-2125	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	134.05	20.15
28 46 13 31-2126	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	125.44	20.15
28 46 13 31-2127	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	146.22	20.15
28 46 13 31-2128	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	131.52	20.15
28 46 13 31-2129	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	150.27	20.15
28 46 13 31-2130	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	137.10	20.15
28 46 13 31-2131	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	152.81	20.15
28 46 13 31-2132	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	138.62	20.15
28 46 13 31-2133	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	157.88	20.15
28 46 13 31-2134	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	161.93	20.15
28 46 13 31-2135	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	200.45	20.15
28 46 13 31-2136	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	178.15	20.15
28 46 13 31-2137	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	238.97	20.15
28 46 13 31-2138	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	197.41	20.15
28 46 13 31-2139	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	256.20	20.15
28 46 13 31-2140	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	223.76	20.15
28 46 13 31-2141	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	299.79	20.15
28 46 13 31-2142	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	354.53	20.15
28 46 13 31-2143	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	370.75	20.15
28 46 13 31-2144	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	532.93	20.15
28 46 13 31-2145	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	617.07	20.15

28 46 13 31-2146 STI® Fire Alarm Devices *(28 46 13 31-2098)*

28 46 13 31-2147	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	183.72	20.15
28 46 13 31-2148	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	200.45	20.15
28 46 13 31-2149	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	118.60	20.15
28 46 13 31-2150	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	119.61	20.15
28 46 13 31-2151	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	106.43	20.15
28 46 13 31-2152	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	119.61	20.15
28 46 13 31-2153	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	96.55	20.15
28 46 13 31-2154	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	225.79	20.15
28 46 13 31-2155	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	150.78	20.15
28 46 13 31-2156	EA	Backplate For Polycarbonate Cover (STI-1280)	72.32	20.15
28 46 13 31-2157	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	52.45	20.15
28 46 13 31-2158	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	73.44	20.15
28 46 13 31-2159	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	168.52	20.15
28 46 13 31-2160	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	139.63	20.15
28 46 13 31-2161	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	103.14	20.15
28 46 13 31-2162	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	97.56	20.15
28 46 13 31-2163	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	94.27	20.15
28 46 13 31-2164	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	97.56	20.15
28 46 13 31-2165	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	94.27	20.15
28 46 13 31-2166	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	97.56	20.15
28 46 13 31-2167	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	94.27	20.15
28 46 13 31-2168	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	184.74	20.15
28 46 13 31-2169	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	87.63	20.15
28 46 13 31-2170	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	111.94	20.15
28 46 13 31-2171	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	133.04	20.15
28 46 13 31-2172	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	133.04	20.15
28 46 13 31-2173	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	96.55	20.15
28 46 13 31-2174	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	96.55	20.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2175	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	87.63	20.15
28 46 13 31-2176	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	96.55	20.15
28 46 13 31-2177	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	96.55	20.15
28 46 13 31-2178	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	134.70	10.07
28 46 13 31-2179	EA	Gasket Kit For STI Covers (STI SUB-121)	56.42	
28 46 13 31-2180	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	238.97	20.15
28 46 13 31-2181	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	131.01	20.15
28 46 13 31-2182	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	131.01	20.15
28 46 13 31-2183	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	238.97	20.15
28 46 13 31-2184	EA	Flush Mounted, Weather Stopper II (STI-1250)	140.90	20.15
28 46 13 31-2185	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	94.27	20.15
28 46 13 31-2186	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	160.41	20.15
28 46 13 31-2187	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	113.27	20.15
28 46 13 31-2188	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	123.41	20.15
28 46 13 31-2189	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	134.05	20.15
28 46 13 31-2190	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	134.05	20.15
28 46 13 31-2191	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	179.16	20.15
28 46 13 31-2192	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	189.30	20.15
28 46 13 31-2193	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	224.78	20.15
28 46 13 31-2194	EA	Stopper II, Weather Gasket (STI-3002)	51.39	20.15
28 46 13 31-2195	EA	Large, Break Glass Stopper (STI-4100)	133.04	20.15
28 46 13 31-2196	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	128.48	20.15
28 46 13 31-2197	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	124.17	20.15
28 46 13 31-2198	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	328.17	20.15
28 46 13 31-2199	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	4,561.26	20.15
28 46 13 31-2200	EA	Stainless Steel Guard (STI-9604SS)	89.96	20.15
28 46 13 31-2201	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	81.09	20.15
28 46 13 31-2202		**System Sensor Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2203		**Smoke Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2204	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	64.34	6.71
28 46 13 31-2205	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	268.58	6.71
28 46 13 31-2206	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	333.39	67.15
28 46 13 31-2207	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	245.86	67.15
28 46 13 31-2208	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	201.24	67.15
28 46 13 31-2209	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	216.69	50.36
28 46 13 31-2210	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	183.97	50.36
28 46 13 31-2211	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	229.18	50.36
28 46 13 31-2212	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	220.70	50.36
28 46 13 31-2213	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	195.41	50.36
28 46 13 31-2214	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	235.42	50.36
28 46 13 31-2215	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	280.68	50.36
28 46 13 31-2216	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	163.79	33.58
28 46 13 31-2217	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	187.12	33.58
28 46 13 31-2218	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	310.46	16.78
28 46 13 31-2219	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	107.09	16.78
28 46 13 31-2220	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	208.55	50.36
28 46 13 31-2221		**Duct Smoke Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2222	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	400.50	50.36
28 46 13 31-2223	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	397.06	50.36
28 46 13 31-2224	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	520.33	57.08
28 46 13 31-2225	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	261.66	33.58
28 46 13 31-2226	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	71.06	10.07
28 46 13 31-2227	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	224.21	26.86
28 46 13 31-2228	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	363.48	33.58
28 46 13 31-2229	EA	1' Steel Sampling Tube (System Sensor DST1)	41.62	13.43
28 46 13 31-2230	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	45.51	13.43
28 46 13 31-2231	EA	3' Steel Sampling Tube (System Sensor DST3)	51.40	13.43
28 46 13 31-2232	EA	5' Steel Sampling Tube (System Sensor DST5)	70.15	16.78
28 46 13 31-2233	EA	10' Steel Sampling Tube (System Sensor DST10)	97.38	20.15
28 46 13 31-2234	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	47.11	13.43
28 46 13 31-2235	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	106.81	16.78
28 46 13 31-2236	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2237	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	
28 46 13 31-2238		**Heat Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2239	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	138.19	50.36
28 46 13 31-2240	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	127.85	50.36
28 46 13 31-2241	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	148.21	50.36
28 46 13 31-2242	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	148.21	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2243	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	160.50	50.36
28 46 13 31-2244	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	160.50	50.36
28 46 13 31-2245		**Horns** *(28 46 13 31-2202)*		
28 46 13 31-2246	EA	Red, Mini Horn (System Sensor MHR)	137.06	50.36
28 46 13 31-2247	EA	White, Mini Horn (System Sensor MHW)	137.06	50.36
28 46 13 31-2248	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	138.83	50.36
28 46 13 31-2249	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	174.00	57.08
28 46 13 31-2250	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	138.83	50.36
28 46 13 31-2251	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	216.69	50.36
28 46 13 31-2252	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	139.40	50.36
28 46 13 31-2253	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	139.40	50.36
28 46 13 31-2254		**Wall Mounted Horns/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2255	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	186.54	50.36
28 46 13 31-2256	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	237.36	50.36
28 46 13 31-2257	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	274.34	57.08
28 46 13 31-2258	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	268.05	57.08
28 46 13 31-2259	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	280.35	57.08
28 46 13 31-2260	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	273.48	57.08
28 46 13 31-2261	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	260.04	57.08
28 46 13 31-2262	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	226.30	50.36
28 46 13 31-2263	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	182.54	50.36
28 46 13 31-2264	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	186.54	50.36
28 46 13 31-2265	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	239.03	50.36
28 46 13 31-2266	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	265.76	57.08
28 46 13 31-2267	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	268.05	57.08
28 46 13 31-2268	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	237.36	50.36
28 46 13 31-2269	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	282.06	57.08
28 46 13 31-2270	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	260.04	57.08
28 46 13 31-2271	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	181.68	50.36
28 46 13 31-2272	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	222.58	50.36
28 46 13 31-2273	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	280.91	50.36
28 46 13 31-2274	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	324.67	57.08
28 46 13 31-2275	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	254.32	57.08
28 46 13 31-2276	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	222.58	50.36
28 46 13 31-2277	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	300.78	57.08
28 46 13 31-2278	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	268.62	57.08
28 46 13 31-2279	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	272.35	50.36
28 46 13 31-2280	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	272.35	50.36
28 46 13 31-2281	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	185.97	50.36
28 46 13 31-2282	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	185.97	50.36
28 46 13 31-2283		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2284	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	189.40	50.36
28 46 13 31-2285	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	240.69	50.36
28 46 13 31-2286	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	265.76	57.08
28 46 13 31-2287	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	258.32	57.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2288	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	229.03	50.36
28 46 13 31-2289	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	189.40	50.36
28 46 13 31-2290	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	240.69	50.36
28 46 13 31-2291	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	265.76	57.08
28 46 13 31-2292	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	240.69	50.36
28 46 13 31-2293	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	258.32	57.08
28 46 13 31-2294	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	227.36	50.36
28 46 13 31-2295	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	224.01	50.36
28 46 13 31-2296	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	280.91	50.36
28 46 13 31-2297	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	224.01	50.36
28 46 13 31-2298		**Wall Mounted Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2299	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW)	84.95	16.78
28 46 13 31-2300	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	162.01	16.78
28 46 13 31-2301	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	169.09	50.36
28 46 13 31-2302	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	234.53	50.36
28 46 13 31-2303	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	287.21	57.08
28 46 13 31-2304	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	283.64	57.08
28 46 13 31-2305	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	239.44	57.08
28 46 13 31-2306	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	211.41	57.08
28 46 13 31-2307	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	167.66	50.36
28 46 13 31-2308	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	168.52	50.36
28 46 13 31-2309	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	181.96	50.36
28 46 13 31-2310	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	215.70	50.36
28 46 13 31-2311	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	225.70	50.36
28 46 13 31-2312	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	224.03	50.36
28 46 13 31-2313	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	224.03	50.36
28 46 13 31-2314	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	242.88	57.08
28 46 13 31-2315	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	240.30	57.08
28 46 13 31-2316	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	242.30	57.08
28 46 13 31-2317	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	242.46	57.08
28 46 13 31-2318	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	238.01	57.08
28 46 13 31-2319	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	239.16	57.08
28 46 13 31-2320	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	167.38	50.36
28 46 13 31-2321	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	29.16	6.71
28 46 13 31-2322	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	29.16	6.71
28 46 13 31-2323	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	29.16	6.71
28 46 13 31-2324	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	29.16	6.71
28 46 13 31-2325	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	171.38	50.36
28 46 13 31-2326	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	168.23	50.36
28 46 13 31-2327	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	29.16	6.71
28 46 13 31-2328	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	29.16	6.71
28 46 13 31-2329	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	29.16	6.71
28 46 13 31-2330	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	29.16	6.71
28 46 13 31-2331	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	247.24	50.36
28 46 13 31-2332	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	247.24	50.36
28 46 13 31-2333	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	244.02	57.08
28 46 13 31-2334		**Ceiling Mounted Strobes** *(28 46 13 31-2202)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2335	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	172.24	50.36
28 46 13 31-2336	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	238.10	50.36
28 46 13 31-2337	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	287.21	57.08
28 46 13 31-2338	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	287.21	57.08
28 46 13 31-2339	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	172.24	50.36
28 46 13 31-2340	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	183.68	50.36
28 46 13 31-2341	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	229.03	50.36
28 46 13 31-2342	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	240.30	57.08
28 46 13 31-2343	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	238.01	57.08
28 46 13 31-2344	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	204.04	50.36
28 46 13 31-2345	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	29.16	6.71
28 46 13 31-2346	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	29.16	6.71
28 46 13 31-2347	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	29.16	6.71
28 46 13 31-2348	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	29.16	6.71
28 46 13 31-2349		**Wall Mounted Speakers** *(28 46 13 31-2202)*		
28 46 13 31-2350	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	433.68	50.36
28 46 13 31-2351	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	145.92	50.36
28 46 13 31-2352	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	229.45	50.36
28 46 13 31-2353	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	193.11	57.08
28 46 13 31-2354	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	189.93	50.36
28 46 13 31-2355	EA	White, Wall Mounted Speaker (System Sensor SPWL)	145.92	50.36
28 46 13 31-2356	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	241.73	57.08
28 46 13 31-2357	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	163.54	50.36
28 46 13 31-2358		**Ceiling Mounted Speakers** *(28 46 13 31-2202)*		
28 46 13 31-2359	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	142.78	50.36
28 46 13 31-2360	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	262.18	50.36
28 46 13 31-2361	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	189.93	50.36
28 46 13 31-2362	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	145.35	50.36
28 46 13 31-2363	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	184.04	50.36
28 46 13 31-2364	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	242.88	57.08
28 46 13 31-2365		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2366	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	160.01	16.78
28 46 13 31-2367	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	81.52	16.78
28 46 13 31-2368	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	232.31	50.36
28 46 13 31-2369	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	302.32	50.36
28 46 13 31-2370	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	406.74	57.08
28 46 13 31-2371	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	330.98	57.08
28 46 13 31-2372	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	283.49	57.08
28 46 13 31-2373	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	229.73	50.36
28 46 13 31-2374	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	291.62	50.36
28 46 13 31-2375	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	233.45	50.36
28 46 13 31-2376	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	334.98	57.08
28 46 13 31-2377	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	232.31	50.36
28 46 13 31-2378	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	289.02	50.36
28 46 13 31-2379	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	289.02	50.36
28 46 13 31-2380	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	346.42	57.08
28 46 13 31-2381	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	329.83	57.08
28 46 13 31-2382	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	228.59	50.36
28 46 13 31-2383	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	279.02	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2384	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	279.02	50.36
28 46 13 31-2385		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2386	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	216.86	50.36
28 46 13 31-2387	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	305.89	50.36
28 46 13 31-2388	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	291.62	50.36
28 46 13 31-2389	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	216.86	50.36
28 46 13 31-2390	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	231.16	50.36
28 46 13 31-2391	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	289.02	50.36
28 46 13 31-2392	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	348.14	57.08
28 46 13 31-2393	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	289.02	50.36
28 46 13 31-2394	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	335.55	57.08
28 46 13 31-2395	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	346.42	57.08
28 46 13 31-2396	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	216.86	50.36
28 46 13 31-2397	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	279.02	50.36
28 46 13 31-2398	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	289.02	50.36
28 46 13 31-2399	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	279.02	50.36
28 46 13 31-2400	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	288.78	50.36
28 46 13 31-2401		**Electric Alarm Bells** *(28 46 13 31-2202)*		
28 46 13 31-2402	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	179.39	50.36
28 46 13 31-2403	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	193.41	50.36
28 46 13 31-2404	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	208.85	50.36
28 46 13 31-2405	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	195.71	51.03
28 46 13 31-2406	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	197.91	51.03
28 46 13 31-2407	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	211.79	51.03
28 46 13 31-2408		**Device Bases** *(28 46 13 31-2202)*		
28 46 13 31-2409	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	136.84	16.78
28 46 13 31-2410	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	132.55	16.78
28 46 13 31-2411	EA	Intelligent Isolator Base (System Sensor B224BI)	109.38	16.78
28 46 13 31-2412	EA	Intelligent Relay Base (System Sensor B224RB)	110.52	16.78
28 46 13 31-2413	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	69.28	16.78
28 46 13 31-2414	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	136.84	16.78
28 46 13 31-2415	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	132.55	16.78
28 46 13 31-2416	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	197.19	16.78
28 46 13 31-2417	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	197.19	16.78
28 46 13 31-2418	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	190.90	16.78
28 46 13 31-2419	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	149.88	16.78
28 46 13 31-2420	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	129.97	16.78
28 46 13 31-2421	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	109.38	16.78
28 46 13 31-2422	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	102.52	16.78
28 46 13 31-2423	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	110.52	16.78
28 46 13 31-2424	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	103.95	16.78
28 46 13 31-2425	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	69.28	16.78
28 46 13 31-2426	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	69.28	16.78
28 46 13 31-2427	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	61.84	16.78
28 46 13 31-2428	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	200.63	16.78
28 46 13 31-2429	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	200.63	16.78
28 46 13 31-2430	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	193.19	16.78
28 46 13 31-2431	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	55.03	16.78
28 46 13 31-2432	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	62.18	16.78
28 46 13 31-2433	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	61.07	16.78
28 46 13 31-2434	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	121.10	20.15
28 46 13 31-2435		**Boxes, Plates And Decals** *(28 46 13 31-2202)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2436	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	62.41	16.78
28 46 13 31-2437	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB)	93.42	16.78
28 46 13 31-2438	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW)	101.66	16.78
28 46 13 31-2439	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW)	93.42	16.78
28 46 13 31-2440	EA	Red Retrofit Plate (System Sensor RFP)	43.26	10.07
28 46 13 31-2441	EA	White Retrofit Plate (System Sensor RFPW)	42.92	10.07
28 46 13 31-2442	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB)	79.12	16.78
28 46 13 31-2443	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC)	88.96	16.78
28 46 13 31-2444	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL)	63.10	16.78
28 46 13 31-2445	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL)	63.10	16.78
28 46 13 31-2446	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL)	54.75	16.78
28 46 13 31-2447	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL)	61.04	16.78
28 46 13 31-2448	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL)	61.04	16.78
28 46 13 31-2449	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL)	54.75	16.78
28 46 13 31-2450	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	60.24	16.78
28 46 13 31-2451	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	55.03	16.78
28 46 13 31-2452	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	19.97	6.71
28 46 13 31-2453	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	29.39	
28 46 13 31-2454	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	40.81	
28 46 13 31-2455	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	29.39	
28 46 13 31-2456	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	40.81	
28 46 13 31-2457	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	22.06	6.71
28 46 13 31-2458	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	22.06	6.71
28 46 13 31-2459	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	22.06	6.71
28 46 13 31-2460	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	22.06	6.71
28 46 13 31-2461	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	54.75	16.78
28 46 13 31-2462	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	54.75	16.78
28 46 13 31-2463	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	26.59	6.71
28 46 13 31-2464	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	26.59	6.71
28 46 13 31-2465	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	26.59	6.71
28 46 13 31-2466	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	26.59	6.71
28 46 13 31-2467	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	26.59	6.71
28 46 13 31-2468	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	26.59	6.71
28 46 13 31-2469	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	26.59	6.71
28 46 13 31-2470	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	26.59	6.71
28 46 13 31-2471	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	26.59	6.71
28 46 13 31-2472	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	26.59	6.71
28 46 13 31-2473	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.59	6.71
28 46 13 31-2474	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	26.59	6.71
28 46 13 31-2475	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	28.99	6.71
28 46 13 31-2476	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	28.99	6.71
28 46 13 31-2477	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	28.99	6.71
28 46 13 31-2478	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	28.99	6.71
28 46 13 31-2479	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	28.99	6.71
28 46 13 31-2480	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	26.59	6.71
28 46 13 31-2481	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	26.59	6.71
28 46 13 31-2482	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	26.59	6.71
28 46 13 31-2483	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.59	6.71
28 46 13 31-2484	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	26.59	6.71
28 46 13 31-2485	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	26.59	6.71
28 46 13 31-2486	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	28.99	6.71
28 46 13 31-2487	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	28.99	6.71
28 46 13 31-2488	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	28.99	6.71
28 46 13 31-2489	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	28.99	6.71
28 46 13 31-2490	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	28.99	6.71
28 46 13 31-2491	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	26.59	6.71
28 46 13 31-2492	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	26.59	6.71
28 46 13 31-2493	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.09	
28 46 13 31-2494	EA	Control Module Barrier (System Sensor CB500)	39.83	10.07
28 46 13 31-2495	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	36.74	10.07
28 46 13 31-2496	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	44.12	10.07
28 46 13 31-2497	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	162.02	10.07
28 46 13 31-2498	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	234.68	10.07
28 46 13 31-2499	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	234.68	10.07
28 46 13 31-2500	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	30.28	10.07
28 46 13 31-2501	EA	Black Faceplate (System Sensor FP-BLACK-BP)	29.45	10.07
28 46 13 31-2502	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	29.88	10.07
28 46 13 31-2503	EA	White Faceplate (System Sensor FP-WHITE-BP)	28.47	10.07
28 46 13 31-2504	EA	White, Back Box (System Sensor SMB500-WH)	52.06	16.78
28 46 13 31-2505	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	20.58	6.71
28 46 13 31-2506	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	28.93	6.71
28 46 13 31-2507	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	31.22	10.07
28 46 13 31-2508	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	26.59	6.71
28 46 13 31-2509	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	28.99	6.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2510	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	28.99	6.71
28 46 13 31-2511	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	28.99	6.71
28 46 13 31-2512	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	28.99	6.71
28 46 13 31-2513	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	28.99	6.71
28 46 13 31-2514	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	26.59	6.71
28 46 13 31-2515	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	26.59	6.71
28 46 13 31-2516	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	26.59	6.71
28 46 13 31-2517	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	79.57	16.78
28 46 13 31-2518	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	155.15	16.78

28 46 13 31-2519 Chimes *(28 46 13 31-2202)*

28 46 13 31-2520	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	167.83	50.36
28 46 13 31-2521	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	173.38	50.36

28 46 13 31-2522 Chime/Strobes *(28 46 13 31-2202)*

28 46 13 31-2523	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	249.47	50.36
28 46 13 31-2524	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	249.47	50.36
28 46 13 31-2525	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	251.19	50.36
28 46 13 31-2526	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	251.19	50.36

28 46 13 31-2527 Carbon Monoxide Detectors *(28 46 13 31-2202)*

28 46 13 31-2528	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	359.99	67.15
28 46 13 31-2529	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	247.18	50.36
28 46 13 31-2530	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	20.34	6.71
28 46 13 31-2531	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	367.32	50.36
28 46 13 31-2532	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	280.76	67.15
28 46 13 31-2533	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	379.90	50.36

28 46 13 31-2534 Switches *(28 46 13 31-2202)*

28 46 13 31-2535	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	223.06	26.86
28 46 13 31-2536	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	248.81	26.86
28 46 13 31-2537	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	223.06	26.86
28 46 13 31-2538	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	248.81	26.86
28 46 13 31-2539	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	232.22	26.86
28 46 13 31-2540	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	217.34	26.86

28 46 13 31-2541 Low Frequency Sounders *(28 46 13 31-2202)*

28 46 13 31-2542	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	230.70	50.36
28 46 13 31-2543	EA	White, Low Frequency Sounder (System Sensor HW-LF)	230.70	50.36
28 46 13 31-2544	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	205.13	50.36
28 46 13 31-2545	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	205.13	50.36
28 46 13 31-2546	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	203.70	50.36
28 46 13 31-2547	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	203.70	50.36

28 46 13 31-2548 Sync Modules *(28 46 13 31-2202)*

28 46 13 31-2549	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	178.70	33.58
28 46 13 31-2550	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	175.84	33.58

28 46 13 31-2551 Relays *(28 46 13 31-2202)*

28 46 13 31-2552	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	102.01	26.86
28 46 13 31-2553	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	65.73	16.78
28 46 13 31-2554	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	188.04	16.78
28 46 13 31-2555	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	138.84	16.78
28 46 13 31-2556	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	109.68	26.86
28 46 13 31-2557	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	67.79	16.78
28 46 13 31-2558	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	211.50	16.78
28 46 13 31-2559	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	158.58	16.78
28 46 13 31-2560	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	57.38	16.78
28 46 13 31-2561	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	57.38	16.78
28 46 13 31-2562	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	57.38	16.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2563		**Remote Annunciator** *(28 46 13 31-2202)*		
28 46 13 31-2564	EA	Remote Annunciator (System Sensor RA100Z)	136.77	50.36
28 46 13 31-2565	EA	Remote LED Annunciator (System Sensor RA100ZA)	133.03	50.36
28 46 13 31-2566	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	164.63	50.36
28 46 13 31-2567		**Remote Test Station** *(28 46 13 31-2202)*		
28 46 13 31-2568	EA	Remote Test Station With Key (System Sensor RTS151KEY)	211.14	50.36
28 46 13 31-2569		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2570	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	787.97	67.15
28 46 13 31-2571		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2572		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2573	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	275.31	50.36
28 46 13 31-2574		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2575	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	275.31	50.36
28 46 13 31-2576	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	275.31	50.36
28 46 13 31-2577		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2578	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	181.00	50.36
28 46 13 31-2579	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	205.42	50.36
28 46 13 31-2580		**Wall Mounted Horns/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2581	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	184.73	50.36
28 46 13 31-2582	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	290.68	50.36
28 46 13 31-2583	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	245.47	50.36
28 46 13 31-2584	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	245.47	50.36
28 46 13 31-2585	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	275.69	50.36
28 46 13 31-2586	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	206.01	50.36
28 46 13 31-2587	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	203.81	50.36
28 46 13 31-2588	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	225.14	57.08
28 46 13 31-2589	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	183.86	50.36
28 46 13 31-2590	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	183.86	50.36
28 46 13 31-2591	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	202.94	50.36
28 46 13 31-2592	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	245.47	50.36
28 46 13 31-2593	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	245.47	50.36
28 46 13 31-2594		**Ceiling Mounted Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2595	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	173.11	50.36
28 46 13 31-2596	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	173.11	50.36
28 46 13 31-2597	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	186.54	50.36
28 46 13 31-2598	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	166.53	50.36
28 46 13 31-2599	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	184.51	50.36
28 46 13 31-2600	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	186.05	50.36
28 46 13 31-2601	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	186.71	50.36
28 46 13 31-2602	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	195.41	50.36
28 46 13 31-2603		**Wall Mounted Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2604	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	259.08	50.36
28 46 13 31-2605	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	209.52	50.36
28 46 13 31-2606	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	232.36	50.36
28 46 13 31-2607	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	171.35	50.36
28 46 13 31-2608	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	171.35	50.36
28 46 13 31-2609	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	182.76	50.36
28 46 13 31-2610	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	191.36	57.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2611	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	167.62	50.36
28 46 13 31-2612	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	167.62	50.36
28 46 13 31-2613	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	198.11	50.36
28 46 13 31-2614	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	173.33	50.36
28 46 13 31-2615	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	212.56	57.08
28 46 13 31-2616	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	209.14	50.36

28 46 13 31-2617 Ceiling Mounted Speakers/Strobes *(28 46 13 31-2571)*

28 46 13 31-2618	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	209.52	50.36
28 46 13 31-2619	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	209.52	50.36
28 46 13 31-2620	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	209.52	50.36
28 46 13 31-2621	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	211.71	50.36
28 46 13 31-2622	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	223.99	50.36
28 46 13 31-2623	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	241.10	50.36
28 46 13 31-2624	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	241.10	50.36
28 46 13 31-2625	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	213.46	50.36
28 46 13 31-2626	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	234.02	50.36
28 46 13 31-2627	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	247.75	50.36
28 46 13 31-2628	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	261.48	50.36

28 46 13 31-2629 Wall Mounted Speakers/Strobes *(28 46 13 31-2571)*

28 46 13 31-2630	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	319.01	50.36
28 46 13 31-2631	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	319.01	50.36
28 46 13 31-2632	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	223.99	50.36
28 46 13 31-2633	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	223.99	50.36
28 46 13 31-2634	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	209.52	50.36
28 46 13 31-2635	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	206.01	50.36
28 46 13 31-2636	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	223.99	50.36
28 46 13 31-2637	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	223.99	50.36
28 46 13 31-2638	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	315.67	50.36
28 46 13 31-2639	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	211.71	50.36
28 46 13 31-2640	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	209.96	50.36
28 46 13 31-2641	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	308.18	50.36
28 46 13 31-2642	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	315.67	50.36
28 46 13 31-2643	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	241.10	50.36
28 46 13 31-2644	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	241.10	50.36
28 46 13 31-2645	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	343.27	57.08
28 46 13 31-2646	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	193.29	50.36
28 46 13 31-2647	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	186.71	50.36
28 46 13 31-2648	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	247.75	50.36
28 46 13 31-2649	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	261.48	50.36
28 46 13 31-2650	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	266.63	50.36
28 46 13 31-2651	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	275.21	50.36
28 46 13 31-2652	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	281.51	50.36
28 46 13 31-2653	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	277.50	50.36
28 46 13 31-2654	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	275.21	50.36

28 46 13 31-2655 Electric Alarm Bells *(28 46 13 31-2571)*

28 46 13 31-2656	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	204.25	50.36
28 46 13 31-2657	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	197.23	50.36
28 46 13 31-2658	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	244.17	50.36
28 46 13 31-2659	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,865.27	57.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2660	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	3,009.28	57.08
28 46 13 31-2661	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,404.98	57.08
28 46 13 31-2662	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	164.55	50.36
28 46 13 31-2663	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	219.72	50.36
28 46 13 31-2664	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	167.19	50.36
28 46 13 31-2665	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	217.72	50.36
28 46 13 31-2666		**Horns** *(28 46 13 31-2571)*		
28 46 13 31-2667	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	167.38	50.36
28 46 13 31-2668	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	139.86	50.36
28 46 13 31-2669	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	139.86	50.36
28 46 13 31-2670	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	140.82	50.36
28 46 13 31-2671	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	140.82	50.36
28 46 13 31-2672	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	124.59	50.36
28 46 13 31-2673	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	124.59	50.36
28 46 13 31-2674	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	140.82	50.36
28 46 13 31-2675	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	165.95	50.36
28 46 13 31-2676		**Speakers** *(28 46 13 31-2571)*		
28 46 13 31-2677	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	143.63	50.36
28 46 13 31-2678	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	143.63	50.36
28 46 13 31-2679	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	143.63	50.36
28 46 13 31-2680	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	141.70	50.36
28 46 13 31-2681	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	143.63	50.36
28 46 13 31-2682	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	143.63	50.36
28 46 13 31-2683	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	143.63	50.36
28 46 13 31-2684	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	143.63	50.36
28 46 13 31-2685	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	164.77	50.36
28 46 13 31-2686	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	164.77	50.36
28 46 13 31-2687	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	166.53	50.36
28 46 13 31-2688	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	219.15	50.36
28 46 13 31-2689	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	199.13	50.36
28 46 13 31-2690	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	302.51	50.36
28 46 13 31-2691	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	302.51	50.36
28 46 13 31-2692	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	219.15	50.36
28 46 13 31-2693	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	221.44	50.36
28 46 13 31-2694	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	199.13	50.36
28 46 13 31-2695	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	290.09	50.36
28 46 13 31-2696	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	212.86	50.36
28 46 13 31-2697		**Sync Modules** *(28 46 13 31-2571)*		
28 46 13 31-2698	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	197.12	33.58
28 46 13 31-2699		**Boxes, Plates And Rings** *(28 46 13 31-2571)*		
28 46 13 31-2700	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	43.19	16.78
28 46 13 31-2701	EA	Standard 4" Square Box (Wheelock BB-STD)	42.50	16.78
28 46 13 31-2702	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	251.93	33.58
28 46 13 31-2703	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	251.93	33.58
28 46 13 31-2704	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	194.46	26.86
28 46 13 31-2705	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	22.03	6.71
28 46 13 31-2706	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	22.03	6.71
28 46 13 31-2707	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	53.58	16.78
28 46 13 31-2708	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	50.78	16.78
28 46 13 31-2709	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	53.58	16.78
28 46 13 31-2710	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	53.58	16.78
28 46 13 31-2711	EA	4" Square Back Box (Wheelock DBB-R)	44.98	16.78
28 46 13 31-2712	EA	Red, Surface Back Box (Wheelock IOB-R)	51.74	16.78
28 46 13 31-2713	EA	White, Surface, Back Box (Wheelock IOB-W)	51.74	16.78
28 46 13 31-2714	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	21.11	6.71
28 46 13 31-2715	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	27.59	6.71
28 46 13 31-2716	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	27.59	6.71
28 46 13 31-2717	EA	Red Retrofit Plate (Wheelock RP-R)	24.83	6.71
28 46 13 31-2718	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	42.38	6.71
28 46 13 31-2719	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	54.02	16.78
28 46 13 31-2720	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	54.64	16.78
28 46 13 31-2721	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	57.88	16.78
28 46 13 31-2722	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	28.84	6.71
28 46 13 31-2723	EA	White, Semi-Flush Plate (Wheelock SFB-W)	28.84	6.71
28 46 13 31-2724	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	47.92	16.78
28 46 13 31-2725	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	47.92	16.78
28 46 13 31-2726	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	30.63	6.71
28 46 13 31-2727	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	53.23	16.78
28 46 13 31-2728	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	53.23	16.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2729	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	53.23	16.78
28 46 13 31-2730	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	37.29	6.71
28 46 13 31-2731	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	37.29	6.71
28 46 13 31-2732	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	37.29	6.71
28 46 13 31-2733	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	37.29	6.71
28 46 13 31-2734	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	25.96	6.71
28 46 13 31-2735	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	64.70	16.78
28 46 13 31-2736	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	59.67	16.78
28 46 13 31-2737	EA	Red Plate For RSS (Wheelock RSSCP-R)	21.11	6.71
28 46 13 31-2738	EA	White Plate For RSS (Wheelock RSSCP-W)	21.11	6.71
28 46 13 31-2739	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	22.03	6.71
28 46 13 31-2740	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	22.03	6.71
28 46 13 31-2741	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	21.50	6.71
28 46 13 31-2742	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	150.73	6.71
28 46 13 31-2743	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	135.28	6.71
28 46 13 31-2744	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	132.99	6.71
28 46 13 31-2745	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	135.28	6.71
28 46 13 31-2746	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	24.13	6.71
28 46 13 31-2747	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	23.44	6.71
28 46 13 31-2748	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	24.64	6.71
28 46 13 31-2749	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	24.64	6.71
28 46 13 31-2750	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	23.44	6.71
28 46 13 31-2751	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	24.53	6.71
28 46 13 31-2752	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	24.53	6.71
28 46 13 31-2753	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	23.44	6.71
28 46 13 31-2754	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	23.44	6.71
28 46 13 31-2755	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	32.14	6.71
28 46 13 31-2756	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	32.48	6.71
28 46 13 31-2757	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	25.96	6.71
28 46 13 31-2758	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	24.64	6.71
28 46 13 31-2759	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	25.96	6.71
28 46 13 31-2760	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	64.70	16.78
28 46 13 31-2761	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	59.67	16.78
28 46 13 31-2762	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	59.67	16.78
28 46 13 31-2763		**Manual Pull Station** *(28 46 13 31-2571)*		
28 46 13 31-2764	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	144.49	33.58
28 46 13 31-2765	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	144.49	33.58
28 46 13 31-2766	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,235.02	33.58
28 46 13 31-2767		**Potter Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2768		**Electric Alarm Bells** *(28 46 13 31-2767)*		
28 46 13 31-2769	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	140.81	50.36
28 46 13 31-2770	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	153.46	50.36
28 46 13 31-2771	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	159.79	50.36
28 46 13 31-2772	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	140.81	50.36
28 46 13 31-2773	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	153.46	50.36
28 46 13 31-2774	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	159.79	50.36
28 46 13 31-2775	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	151.55	50.36
28 46 13 31-2776	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	157.62	50.36
28 46 13 31-2777	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	193.41	50.36
28 46 13 31-2778	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	142.63	50.36
28 46 13 31-2779	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	157.62	50.36
28 46 13 31-2780	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	170.16	50.36
28 46 13 31-2781		**Manual Pull Station** *(28 46 13 31-2767)*		
28 46 13 31-2782	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	103.03	33.58
28 46 13 31-2783	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	108.77	33.58
28 46 13 31-2784	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	173.46	33.58
28 46 13 31-2785	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	112.35	33.58
28 46 13 31-2786	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	106.28	33.58
28 46 13 31-2787	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	193.69	33.58
28 46 13 31-2788	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	241.94	33.58
28 46 13 31-2789		**Fire Alarm Terminal Cabinets** *(28 46 13 31)*		
28 46 13 31-2790	EA	18 Point Lockable Fire Alarm Terminal Cabinet	269.59	67.25
28 46 13 31-2791	EA	32 Point Lockable Fire Alarm Terminal Cabinet	350.66	67.25
28 46 13 31-2792	EA	64 Point Lockable Fire Alarm Terminal Cabinet	512.78	67.25
28 46 13 31-2793	EA	128 Point Lockable Fire Alarm Terminal Cabinet	674.86	67.25
28 46 13 31-2794		**Test And Certification Of Fire Alarm System To Tie In To Existing Systems** *(28 46 13 31)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2795	HR	Test And Certification Of Fire Alarm System	333.85	
28 46 13 31-2796		**Programming Of Existing Fire Alarm System** *(28 46 13 31)*		
28 46 13 31-2797	HR	Fire Alarm Techanician For Programming Of Existing Fire Alarm System	267.08	
28 46 13 31-2798		**Removal And Reinstallation Of Smoke Detector** *(28 46 13 31)*		
		Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2799	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	188.03	
28 46 13 31-2800	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	151.09	
28 46 13 31-2801		**Kidde Fire Safety Equipment** *(28 46 13 31)*		
28 46 13 31-2802		**Smoke Detectors** *(28 46 13 31-2801)*		
28 46 13 31-2803	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	171.51	50.36
28 46 13 31-2804	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	151.55	50.36
28 46 13 31-2805	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	139.42	50.36
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		**Protectowire Fire Alarm** *(28 46 31 11)*		
28 46 31 11-0002		**Linear Heat Detector Cable** *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	6.04	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	6.54	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	6.54	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	7.04	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	7.72	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	8.22	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	76.99	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	30.06	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	10.21	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	10.21	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	11.40	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	17.76	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	18.43	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.71	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.32	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	10.18	
28 46 41		**Fire-Alarm Notification Appliances** *(28 46)*		
28 46 41 11		**Audible Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		**Combination Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		**Mass Notification** *(28 40)*		
28 47 15		**Mass Notification Control Panels** *(28 47)*		
28 47 15 00-0001		**Central Station Controls** *(28 47 15)*		
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	985.88	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,602.12	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,799.78	67.15
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,466.79	33.58
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,600.59	134.31
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	816.96	33.58
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	876.20	33.58
28 47 17		**Notification Devices and Methods** *(28 47)*		
28 47 17 17		**Notification Appliances and Methods Public Methods** *(28 47 17)*		
28 47 17 17-0001		**Voice Capable Omni-Directional Speakers** *(28 47 17 17)*		
28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A)	13,906.51	845.94
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A)	16,964.72	882.72
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A)	19,985.12	919.50
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,005.52	956.28
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	26,101.53	993.06
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	31,276.89	1,029.84
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	34,335.09	1,066.62
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	38,010.81	1,103.40
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	41,031.20	1,140.19
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	44,089.41	1,176.96
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,142.70	1,029.84
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	32,104.52	1,066.62
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	546.55	33.58
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,234.71	33.58
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,234.71	33.58
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,020.48	33.58
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,957.47	33.58
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	505.36	33.58
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	646.09	33.58
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	671.26	33.58
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,181.67	33.58
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,448.95	33.58
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,448.95	33.58
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,448.95	33.58
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	876.20	33.58
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	608.68	33.58
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	416.12	33.58
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	316.57	33.58
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-up Charge Per Message) (Whelen MSGPROG)	218.53	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	43.76	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	172.98	33.58
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,149.22	50.36
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	10,911.32	809.16
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	4,523.81	201.46
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,293.50	50.36
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,293.50	50.36
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,293.50	50.36
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,293.50	50.36
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,293.50	50.36
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	819.26	50.36
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	819.26	50.36
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	819.26	50.36
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	641.91	50.36
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	641.91	50.36
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	641.91	50.36
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G)	641.91	50.36
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	641.91	50.36
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	890.07	33.58
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	676.98	33.58
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	676.98	33.58
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	433.98	50.36
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	579.83	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	937.85	33.58
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	472.18	33.58
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	172.98	33.58
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	927.55	33.58
28 47 17 17-0058		**Tone Only, Omni-Alert Sirens** *(28 47 17 17)*		
28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	11,251.58	809.16
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	14,032.53	845.94
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,788.29	882.72
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,607.05	919.50
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	321.71	33.58
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	546.55	33.58
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,234.71	33.58
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,234.71	33.58
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	2,020.48	33.58
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,957.47	33.58
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	441.29	33.58
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	704.82	33.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	732.54	33.58
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,448.95	33.58
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,448.95	33.58
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,448.95	33.58
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,448.95	33.58
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	876.20	33.58
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	416.12	33.58
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	472.18	33.58
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	254.79	33.58
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	4,523.81	201.46
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	956.55	50.36

28 47 17 17-0082 Tone-Only Rotating Directional Speakers *(28 47 17 17)*

28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,257.56	956.28
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	24,664.89	993.06
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	298.27	33.58
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	595.18	33.58
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,234.71	33.58
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,234.71	33.58
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	2,020.48	33.58
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,957.47	33.58
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	441.29	33.58
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	690.95	33.58
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	732.54	33.58
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,448.95	33.58
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,448.95	33.58
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	2,448.95	33.58
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,448.95	33.58
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	876.20	33.58
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	513.26	33.58
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	416.12	33.58
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	254.79	33.58
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	704.82	33.58
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	4,523.81	201.46
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	956.55	50.36
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	3,714.05	

28 47 17 17-0106 Uni-Directional Rotating Speakers *(28 47 17 17)*

28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	14,864.27	845.94
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	298.27	33.58
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	595.18	33.58
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,234.71	33.58
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,234.71	33.58
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	2,020.48	33.58
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,957.47	33.58
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	479.24	33.58
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	633.50	33.58
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	671.26	33.58
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,448.95	33.58
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,448.95	33.58
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,448.95	33.58
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,448.95	33.58
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	876.20	33.58
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS)	472.18	33.58
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT)	416.12	33.58
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU)	254.79	33.58
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280)	4,523.81	201.46
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	667.83	33.58
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	956.55	50.36

28 47 17 17-0128 All Hazard In-Plant Personnel Warning System *(28 47 17 17)*

28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	7,492.20	1,074.46
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	9,084.03	1,208.76
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	424.52	50.36
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	406.22	50.36
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	772.35	50.36
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	528.64	50.36
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	1,064.10	50.36
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,790.24	57.08
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	679.67	50.36
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	1,059.23	57.08
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	254.79	33.58

28 47 17 17-0140 Firehouse Siren *(28 47 17 17)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	298.27	33.58
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT)	441.29	33.58
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	690.95	33.58
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	671.26	33.58
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,448.95	33.58
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,448.95	33.58
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	2,448.95	33.58
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,448.95	33.58
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT)	416.12	33.58
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	254.79	33.58
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280)	4,523.81	201.46
		Note: Two 80 watt panels, with brackets and solar regulator.		

28 47 17 17-0152 Alert Monitor And Message Display *(28 47 17 17)*

28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	2,045.68	33.58
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	2,045.68	33.58
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	2,045.68	33.58
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	2,045.68	33.58
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	268.92	50.36
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	79.74	33.58
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	162.47	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	255.15	

28 47 17 17-0161 Portable Test Set *(28 47 17 17)*

28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	8,229.17	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	8,229.17	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U)	8,229.17	

28 47 17 17-0165 Replacement Warning Lights *(28 47 17 17)*

28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	418.65	53.73
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB)	418.65	53.73
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	418.65	53.73
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG)	418.65	53.73
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR)	418.65	53.73
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA)	449.54	53.73
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB)	295.08	53.73
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC)	444.96	53.73
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG)	444.96	53.73
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	444.96	53.73
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA)	418.65	53.73
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB)	418.65	53.73
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC)	418.65	53.73
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG)	418.65	53.73
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR)	418.65	53.73
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA)	467.85	53.73
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB)	467.85	53.73
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC)	306.52	53.73
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG)	306.52	53.73
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR)	306.52	53.73

28 47 17 17-0186 Antenna *(28 47 17 17)*

28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC)	319.99	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB)	291.15	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000)	15,567.36	

28 47 21 Mass Notification System Interfaces *(28 47)*

28 47 21 21 Notification Interfaces to Fire Detection and Alarm *(28 47 21)*

28 47 21 21-0001 Emergency Command Center (Honeywell Fire-Lite) *(28 47 21 21)*

28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100 E)	2,778.24	335.77
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6)	537.36	26.86
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V)	472.80	33.58
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V)	487.44	33.58
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V)	251.72	33.58
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC)	1,483.19	67.15
28 47 21 21-0008	EA	Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU)	1,172.31	16.78
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	1,128.96	67.15
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,943.00	67.15
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA)	3,081.88	67.15
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU)	1,510.41	33.58
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4)	467.45	33.58
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301)	110.89	33.58
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH)	61.23	13.43
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F)	843.88	13.43
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE)	174.74	13.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270)	324.85	33.58
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120)	416.94	33.58
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180)	309.90	33.58

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001 Personnel Alarm Locating System *(28 49 11)*

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	24,642.04	1,077.79
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	194.88	
28 49 11 00-0004	EA	Lapel Reader	74.96	
28 49 11 00-0005	EA	IR Locator	275.56	40.35
28 49 11 00-0006	EA	Repeaters And Receivers	673.77	134.51

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*

28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	359.78	80.70
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	426.82	94.16
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	429.96	94.16

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	264.40	50.44
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	257.11	40.35
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	120.27	40.35
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	208.52	40.35
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	240.08	40.35
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	272.82	40.35
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	378.08	40.35
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	423.37	40.35

28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	159.87	40.35
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	235.08	40.35
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	307.70	40.35
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	328.51	13.45
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	241.80	40.35
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	285.23	40.35
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	483.13	40.35
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	229.86	40.35
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	277.76	13.45
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	429.33	13.45
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	438.65	13.45
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	577.84	13.45

END OF SECTION 28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer	730.28
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper	1,121.84
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader	975.05

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand	33.03
		For Up To 8, Add	*6.61*
		For >8 To 16, Add	*3.30*
		For >48 To 64, Deduct	*-2.53*
		For >64 To 96, Deduct	*-4.18*
		For >96 To 168, Deduct	*-5.83*
		For >168 To 240, Deduct	*-7.10*
		For >240, Deduct	*-8.36*
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand	38.36
		For Up To 8, Add	*7.67*
		For >8 To 16, Add	*3.84*
		For >48 To 64, Deduct	*-2.80*
		For >64 To 96, Deduct	*-4.71*
		For >96 To 168, Deduct	*-6.63*
		For >168 To 240, Deduct	*-8.03*
		For >240, Deduct	*-9.43*
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	51.16
		For Up To 8, Add	*10.23*
		For >8 To 16, Add	*5.12*
		For >48 To 64, Deduct	*-3.44*
		For >64 To 96, Deduct	*-5.99*
		For >96 To 168, Deduct	*-8.55*
		For >168 To 240, Deduct	*-10.27*
		For >240, Deduct	*-11.99*
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand	46.36
		For Up To 8, Add	*9.27*
		For >8 To 16, Add	*4.64*
		For >48 To 64, Deduct	*-3.20*
		For >64 To 96, Deduct	*-5.51*
		For >96 To 168, Deduct	*-7.83*
		For >168 To 240, Deduct	*-9.43*
		For >240, Deduct	*-11.03*
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand	79.43
		For Up To 8, Add	*15.89*
		For >8 To 16, Add	*7.94*
		For >48 To 64, Deduct	*-4.85*
		For >64 To 96, Deduct	*-8.82*
		For >96 To 168, Deduct	*-12.79*
		For >168 To 240, Deduct	*-15.22*
		For >240, Deduct	*-17.64*
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt	37.91
		For Up To 8, Add	*7.58*
		For >8 To 16, Add	*3.79*
		For >48 To 64, Deduct	*-2.77*
		For >64 To 96, Deduct	*-4.67*
		For >96 To 168, Deduct	*-6.56*
		For >168 To 240, Deduct	*-7.95*
		For >240, Deduct	*-9.34*
31 05 13 00-0008	CY	Lime Rock Screening	42.00
		For Up To 8, Add	*8.40*
		For >8 To 16, Add	*4.20*
		For >48 To 64, Deduct	*-2.98*
		For >64 To 96, Deduct	*-5.08*
		For >96 To 168, Deduct	*-7.18*
		For >168 To 240, Deduct	*-8.67*
		For >240, Deduct	*-10.16*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0009	CY	Crushed Lime Rock Maximum 3-1/2"	42.00	
		For Up To 8, Add	*8.40*	
		For >8 To 16, Add	*4.20*	
		For >48 To 64, Deduct	*-2.98*	
		For >64 To 96, Deduct	*-5.08*	
		For >96 To 168, Deduct	*-7.18*	
		For >168 To 240, Deduct	*-8.67*	
		For >240, Deduct	*-10.16*	
31 05 13 00-0010	CY	Sand/Clay	34.38	
		For Up To 8, Add	*6.88*	
		For >8 To 16, Add	*3.44*	
		For >48 To 64, Deduct	*-2.60*	
		For >64 To 96, Deduct	*-4.32*	
		For >96 To 168, Deduct	*-6.04*	
		For >168 To 240, Deduct	*-7.33*	
		For >240, Deduct	*-8.63*	
31 05 13 00-0011	CY	Recycled Concrete Aggregate	37.76	
		For Up To 8, Add	*7.55*	
		For >8 To 16, Add	*3.78*	
		For >48 To 64, Deduct	*-2.77*	
		For >64 To 96, Deduct	*-4.65*	
		For >96 To 168, Deduct	*-6.54*	
		For >168 To 240, Deduct	*-7.93*	
		For >240, Deduct	*-9.31*	
31 05 13 00-0012	CY	Pit Run Clay	52.44	
		For Up To 8, Add	*10.49*	
		For >8 To 16, Add	*5.24*	
		For >48 To 64, Deduct	*-3.50*	
		For >64 To 96, Deduct	*-6.12*	
		For >96 To 168, Deduct	*-8.74*	
		For >168 To 240, Deduct	*-10.49*	
		For >240, Deduct	*-12.24*	
31 05 13 00-0013	CY	Light Clay / Loam	43.67	
		For Up To 8, Add	*8.73*	
		For >8 To 16, Add	*4.37*	
		For >48 To 64, Deduct	*-3.06*	
		For >64 To 96, Deduct	*-5.25*	
		For >96 To 168, Deduct	*-7.43*	
		For >168 To 240, Deduct	*-8.96*	
		For >240, Deduct	*-10.49*	
31 05 13 00-0014	CY	Heavy Clay	52.44	
		For Up To 8, Add	*10.49*	
		For >8 To 16, Add	*5.24*	
		For >48 To 64, Deduct	*-3.50*	
		For >64 To 96, Deduct	*-6.12*	
		For >96 To 168, Deduct	*-8.74*	
		For >168 To 240, Deduct	*-10.49*	
		For >240, Deduct	*-12.24*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0002	CY	#2 (1-1/2" To 2-1/2" Clean) Stone Aggregate Fill	55.90	
		For Up To 8, Add	*11.18*	
		For >8 To 16, Add	*5.59*	
		For >48 To 64, Deduct	*-3.67*	
		For >64 To 96, Deduct	*-6.47*	
		For >96 To 168, Deduct	*-9.26*	
		For >168 To 240, Deduct	*-11.10*	
		For >240, Deduct	*-12.94*	
31 05 16 00-0003	CY	#3 (1" To 2" Clean) Stone Aggregate Fill	58.15	
		For Up To 8, Add	*11.63*	
		For >8 To 16, Add	*5.82*	
		For >48 To 64, Deduct	*-3.79*	
		For >64 To 96, Deduct	*-6.69*	
		For >96 To 168, Deduct	*-9.60*	
		For >168 To 240, Deduct	*-11.49*	
		For >240, Deduct	*-13.39*	
31 05 16 00-0004	CY	#4 (3/4" To 1-1/2" Clean) Stone Aggregate Fill	55.90	
		For Up To 8, Add	*11.18*	
		For >8 To 16, Add	*5.59*	
		For >48 To 64, Deduct	*-3.67*	
		For >64 To 96, Deduct	*-6.47*	
		For >96 To 168, Deduct	*-9.26*	
		For >168 To 240, Deduct	*-11.10*	
		For >240, Deduct	*-12.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005	CY	#5 (1/2" To 1" Clean) Stone Aggregate Fill	59.78	
		For Up To 8, Add	*11.96*	
		For >8 To 16, Add	*5.98*	
		For >48 To 64, Deduct	*-3.87*	
		For >64 To 96, Deduct	*-6.86*	
		For >96 To 168, Deduct	*-9.85*	
		For >168 To 240, Deduct	*-11.78*	
		For >240, Deduct	*-13.71*	
31 05 16 00-0006	CY	#6 (3/8" To 3/4" Clean) Stone Aggregate Fill	62.06	
		For Up To 8, Add	*12.41*	
		For >8 To 16, Add	*6.21*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-7.08*	
		For >96 To 168, Deduct	*-10.19*	
		For >168 To 240, Deduct	*-12.18*	
		For >240, Deduct	*-14.17*	
31 05 16 00-0007	CY	#56 (3/8" To 1") Stone Aggregate Fill	60.13	
		For Up To 8, Add	*12.03*	
		For >8 To 16, Add	*6.01*	
		For >48 To 64, Deduct	*-3.88*	
		For >64 To 96, Deduct	*-6.89*	
		For >96 To 168, Deduct	*-9.90*	
		For >168 To 240, Deduct	*-11.84*	
		For >240, Deduct	*-13.78*	
31 05 16 00-0008	CY	#57 (3/8" To 1") Stone Aggregate Fill	64.12	
		For Up To 8, Add	*12.82*	
		For >8 To 16, Add	*6.41*	
		For >48 To 64, Deduct	*-4.08*	
		For >64 To 96, Deduct	*-7.29*	
		For >96 To 168, Deduct	*-10.50*	
		For >168 To 240, Deduct	*-12.54*	
		For >240, Deduct	*-14.58*	
31 05 16 00-0009	CY	#67 Or #68 (3/16" To 3/4") Stone Aggregate Fill	58.02	
		For Up To 8, Add	*11.60*	
		For >8 To 16, Add	*5.80*	
		For >48 To 64, Deduct	*-3.78*	
		For >64 To 96, Deduct	*-6.68*	
		For >96 To 168, Deduct	*-9.58*	
		For >168 To 240, Deduct	*-11.47*	
		For >240, Deduct	*-13.36*	
31 05 16 00-0010	CY	#7I (3/8" To 1/2") Stone Aggregate Fil	59.13	
		For Up To 8, Add	*11.83*	
		For >8 To 16, Add	*5.91*	
		For >48 To 64, Deduct	*-3.83*	
		For >64 To 96, Deduct	*-6.79*	
		For >96 To 168, Deduct	*-9.75*	
		For >168 To 240, Deduct	*-11.66*	
		For >240, Deduct	*-13.58*	
31 05 16 00-0011	CY	#78 (3/32" To 1/2") Stone Aggregate Fill	59.61	
		For Up To 8, Add	*11.92*	
		For >8 To 16, Add	*5.96*	
		For >48 To 64, Deduct	*-3.86*	
		For >64 To 96, Deduct	*-6.84*	
		For >96 To 168, Deduct	*-9.82*	
		For >168 To 240, Deduct	*-11.75*	
		For >240, Deduct	*-13.68*	
31 05 16 00-0012	CY	#8 (3/32" To 3/8") Stone Aggregate Fill	62.06	
		For Up To 8, Add	*12.41*	
		For >8 To 16, Add	*6.21*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-7.08*	
		For >96 To 168, Deduct	*-10.19*	
		For >168 To 240, Deduct	*-12.18*	
		For >240, Deduct	*-14.17*	
31 05 16 00-0013	CY	#89 (1/16" To 3/8") Stone Aggregate Fill	62.75	
		For Up To 8, Add	*12.55*	
		For >8 To 16, Add	*6.28*	
		For >48 To 64, Deduct	*-4.02*	
		For >64 To 96, Deduct	*-7.15*	
		For >96 To 168, Deduct	*-10.29*	
		For >168 To 240, Deduct	*-12.30*	
		For >240, Deduct	*-14.31*	
31 05 16 00-0014	CY	#9 (3/32" To 3/16") Stone Aggregate Fill	62.06	
		For Up To 8, Add	*12.41*	
		For >8 To 16, Add	*6.21*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-7.08*	
		For >96 To 168, Deduct	*-10.19*	
		For >168 To 240, Deduct	*-12.18*	
		For >240, Deduct	*-14.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015	CY	#10 (1/16" To 3/16") Stone Aggregate Fill	63.47	
		For Up To 8, Add	*12.69*	
		For >8 To 16, Add	*6.35*	
		For >48 To 64, Deduct	*-4.05*	
		For >64 To 96, Deduct	*-7.23*	
		For >96 To 168, Deduct	*-10.40*	
		For >168 To 240, Deduct	*-12.42*	
		For >240, Deduct	*-14.45*	
31 05 16 00-0016	CY	#610 (1/16" To 3/4") Modified Stone Aggregate Fill	62.75	
		For Up To 8, Add	*12.55*	
		For >8 To 16, Add	*6.28*	
		For >48 To 64, Deduct	*-4.02*	
		For >64 To 96, Deduct	*-7.15*	
		For >96 To 168, Deduct	*-10.29*	
		For >168 To 240, Deduct	*-12.30*	
		For >240, Deduct	*-14.31*	
31 05 16 00-0017	CY	3/16" Max Screenings Stone Aggregate Fill	52.75	
		For Up To 8, Add	*10.55*	
		For >8 To 16, Add	*5.28*	
		For >48 To 64, Deduct	*-3.52*	
		For >64 To 96, Deduct	*-6.15*	
		For >96 To 168, Deduct	*-8.79*	
		For >168 To 240, Deduct	*-10.55*	
		For >240, Deduct	*-12.31*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	57.27	
		For Up To 8, Add	*11.45*	
		For >8 To 16, Add	*5.73*	
		For >48 To 64, Deduct	*-3.74*	
		For >64 To 96, Deduct	*-6.61*	
		For >96 To 168, Deduct	*-9.47*	
		For >168 To 240, Deduct	*-11.34*	
		For >240, Deduct	*-13.21*	
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	57.27	
		For Up To 8, Add	*11.45*	
		For >8 To 16, Add	*5.73*	
		For >48 To 64, Deduct	*-3.74*	
		For >64 To 96, Deduct	*-6.61*	
		For >96 To 168, Deduct	*-9.47*	
		For >168 To 240, Deduct	*-11.34*	
		For >240, Deduct	*-13.21*	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	61.79	
		For Up To 8, Add	*12.36*	
		For >8 To 16, Add	*6.18*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-7.06*	
		For >96 To 168, Deduct	*-10.15*	
		For >168 To 240, Deduct	*-12.13*	
		For >240, Deduct	*-14.11*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	65.01	
		For Up To 8, Add	*13.00*	
		For >8 To 16, Add	*6.50*	
		For >48 To 64, Deduct	*-4.13*	
		For >64 To 96, Deduct	*-7.38*	
		For >96 To 168, Deduct	*-10.63*	
		For >168 To 240, Deduct	*-12.69*	
		For >240, Deduct	*-14.76*	
31 05 16 00-0022	CY	2-1/2" Minus Crusher Run Aggregate Fill	37.02	
		For Up To 8, Add	*7.40*	
		For >8 To 16, Add	*3.70*	
		For >48 To 64, Deduct	*-2.73*	
		For >64 To 96, Deduct	*-4.58*	
		For >96 To 168, Deduct	*-6.43*	
		For >168 To 240, Deduct	*-7.80*	
		For >240, Deduct	*-9.16*	
31 05 16 00-0023	CY	1-1/2" Minus Crusher Run Aggregate Fill	40.56	
		For Up To 8, Add	*8.11*	
		For >8 To 16, Add	*4.06*	
		For >48 To 64, Deduct	*-2.91*	
		For >64 To 96, Deduct	*-4.93*	
		For >96 To 168, Deduct	*-6.96*	
		For >168 To 240, Deduct	*-8.42*	
		For >240, Deduct	*-9.87*	
31 05 16 00-0024	CY	3/4" Minus Crusher Run Aggregate Fill	38.26	
		For Up To 8, Add	*7.65*	
		For >8 To 16, Add	*3.83*	
		For >48 To 64, Deduct	*-2.79*	
		For >64 To 96, Deduct	*-4.70*	
		For >96 To 168, Deduct	*-6.62*	
		For >168 To 240, Deduct	*-8.01*	
		For >240, Deduct	*-9.41*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	66.78	
		For Up To 8, Add	*13.36*	
		For >8 To 16, Add	*6.68*	
		For >48 To 64, Deduct	*-4.22*	
		For >64 To 96, Deduct	*-7.56*	
		For >96 To 168, Deduct	*-10.90*	
		For >168 To 240, Deduct	*-13.00*	
		For >240, Deduct	*-15.11*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,830.59
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,324.71
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	10,440.78
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,874.51
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	14,356.07
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,811.77
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	20,881.56
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	8,136.47
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	351.27
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	730.29
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,033.71
31 11 00 00-0013	ACR	Chipping - Light Brush	2,784.70
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,580.52
31 11 00 00-0015	ACR	Chipping - Heavy Brush	5,013.18

31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0039 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.32
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	14.80
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	42.39
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	33.30

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	652.55
		For >4 To 10, Deduct	*-39.15*
		For >25, Deduct	*-122.35*
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	978.82
		For >4 To 10, Deduct	*-58.73*
		For >25, Deduct	*-183.53*
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,305.10
		For >4 To 10, Deduct	*-78.31*
		For >25, Deduct	*-244.71*
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,957.64
		For >4 To 10, Deduct	*-117.46*
		For >25, Deduct	*-367.06*
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,610.19
		For >4 To 10, Deduct	*-156.61*
		For >25, Deduct	*-489.41*
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,262.74
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-815.69*
		For >4 To 10, Deduct	*-195.76*
		For >10 To 25, Deduct	*-407.84*
		For >25, Deduct	*-611.76*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,915.29	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-978.82*	
		For >4 To 10, Deduct	*-234.92*	
		For >10 To 25, Deduct	*-489.41*	
		For >25, Deduct	*-734.12*	
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	5,220.40	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,305.10*	
		For >4 To 10, Deduct	*-313.22*	
		For >10 To 25, Deduct	*-652.55*	
		For >25, Deduct	*-978.83*	

31 13 13 00-0010 Stump Removal *(31 13 13)*
Note: Measured by diameter of stump.

31 13 13 00-0011 Stump Removal By Machine *(31 13 13 00-0010)*

31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	116.24	
		For >10, Deduct	*-17.44*	
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	222.78	
		For >10, Deduct	*-33.42*	
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	290.59	
		For >10, Deduct	*-43.59*	
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	435.89	
		For >10, Deduct	*-65.38*	
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	513.41	
		For >10, Deduct	*-77.01*	
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	604.42	
		For >10, Deduct	*-90.66*	
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	716.78	
		For >10, Deduct	*-107.52*	
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	842.70	
		For >10, Deduct	*-126.41*	

31 13 13 00-0020 Stump Removal By Hand *(31 13 13 00-0010)*

31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	684.77
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	855.97
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,255.42
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,711.93
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,282.58
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,853.23
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,423.88
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,994.53

31 13 13 00-0029 Stump Grinding *(31 13 13)*
Note: Measured by diameter of stump.

31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0029)*
Note: Level soil to match existing surface area.

31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree	127.62	
		For 24" Depth, Add	*25.52*	
		For >10, Deduct	*-15.95*	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree	159.52	
		For 24" Depth, Add	*31.90*	
		For >10, Deduct	*-19.94*	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree	191.43	
		For 24" Depth, Add	*38.29*	
		For >10, Deduct	*-23.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree	212.70	
		For 24" Depth, Add	*42.54*	
		For >10, Deduct	*-26.59*	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree	228.66	
		For 24" Depth, Add	*45.73*	
		For >10, Deduct	*-28.58*	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree	244.61	
		For 24" Depth, Add	*48.92*	
		For >10, Deduct	*-30.58*	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree	265.87	
		For 24" Depth, Add	*53.17*	
		For >10, Deduct	*-33.23*	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree	290.06	
		For 24" Depth, Add	*58.01*	
		For >10, Deduct	*-36.26*	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree	322.29	
		For 24" Depth, Add	*64.46*	
		For >10, Deduct	*-40.29*	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree	354.53	
		For 24" Depth, Add	*70.91*	
		For >10, Deduct	*-44.32*	
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree	386.75	
		For 24" Depth, Add	*77.35*	
		For >10, Deduct	*-48.34*	
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree	429.73	
		For 24" Depth, Add	*85.95*	
		For >10, Deduct	*-53.72*	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree	537.16	
		For 24" Depth, Add	*107.43*	
		For >10, Deduct	*-67.15*	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree	671.45	
		For 24" Depth, Add	*134.29*	
		For >10, Deduct	*-83.93*	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree	859.45	
		For 24" Depth, Add	*171.89*	
		For >10, Deduct	*-107.43*	

31 13 13 00-0046 Shrub Removal *(31 13 13)*

31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	50.14	
		For >4 To 10, Deduct	*-3.01*	
		For >10 To 25, Deduct	*-6.27*	
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	78.63	
		For >4 To 10, Deduct	*-4.72*	
		For >10 To 25, Deduct	*-9.83*	
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	91.16	
		For >4 To 10, Deduct	*-5.47*	
		For >10 To 25, Deduct	*-11.40*	
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	136.76	
		For >4 To 10, Deduct	*-8.21*	
		For >10 To 25, Deduct	*-17.10*	
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous	25.07	
		For >4 To 10, Deduct	*-1.50*	
		For >10 To 25, Deduct	*-3.13*	
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous	38.75	
		For >4 To 10, Deduct	*-2.33*	
		For >10 To 25, Deduct	*-4.84*	
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous	50.15	
		For >4 To 10, Deduct	*-3.01*	
		For >10 To 25, Deduct	*-6.27*	
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous	54.70	
		For >4 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.84*	
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen	50.14	
		For >4 To 10, Deduct	*-3.01*	
		For >10 To 25, Deduct	*-6.27*	
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen	54.70	
		For >4 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.84*	
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen	78.63	
		For >4 To 10, Deduct	*-4.72*	
		For >10 To 25, Deduct	*-9.83*	
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen	136.75	
		For >4 To 10, Deduct	*-8.21*	
		For >10 To 25, Deduct	*-17.09*	

31 13 13 00-0059 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0060	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	522.04	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-130.51*	
		For >4 To 10, Deduct	*-31.32*	
		For >10 To 25, Deduct	*-65.26*	
		For >25, Deduct	*-97.88*	
31 13 13 00-0061	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	783.06	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-195.77*	
		For >4 To 10, Deduct	*-46.98*	
		For >10 To 25, Deduct	*-97.88*	
		For >25, Deduct	*-146.82*	
31 13 13 00-0062	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,044.08	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-261.02*	
		For >4 To 10, Deduct	*-62.64*	
		For >10 To 25, Deduct	*-130.51*	
		For >25, Deduct	*-195.77*	
31 13 13 00-0063	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,566.12	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-391.53*	
		For >4 To 10, Deduct	*-93.97*	
		For >10 To 25, Deduct	*-195.77*	
		For >25, Deduct	*-293.65*	
31 13 13 00-0064	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,088.15	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-522.04*	
		For >4 To 10, Deduct	*-125.29*	
		For >10 To 25, Deduct	*-261.02*	
		For >25, Deduct	*-391.53*	
31 13 13 00-0065	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,610.19	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-652.55*	
		For >4 To 10, Deduct	*-156.61*	
		For >10 To 25, Deduct	*-326.27*	
		For >25, Deduct	*-489.41*	

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.11
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.17
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.73

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Minimum Charge For Trim Tree Branch Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	773.53
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	19.34
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	21.75
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.59
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	24.18
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	27.19
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	33.24

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*
Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.16
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.06
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.10
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.92

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	450.35
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	625.48

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	11.97
		For Excavation In Light Material (Class A), Deduct	*-1.50*
		For Excavation In Heavy/Wet Material (Class C), Add	*4.79*
		For Up To 20, Add	*11.97*
		For >20 To 50, Add	*8.98*
		For >50 To 250, Add	*4.79*
		For >250 To 500, Add	*1.80*
		For >1,000, Deduct	*-1.80*
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.74
		For Excavation In Light Material (Class A), Deduct	*-0.97*
		For Excavation In Heavy/Wet Material (Class C), Add	*3.10*
		For Up To 20, Add	*7.74*
		For >20 To 50, Add	*5.81*
		For >50 To 250, Add	*3.10*
		For >250 To 500, Add	*1.16*
		For >1,000, Deduct	*-1.16*
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	19.82
		For Up To 20, Add	*19.82*
		For >20 To 50, Add	*14.87*
		For >50 To 250, Add	*7.93*
		For >250 To 500, Add	*2.97*
		For >1,000, Deduct	*-2.97*
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	13.73
		For Up To 20, Add	*13.73*
		For >20 To 50, Add	*10.30*
		For >50 To 250, Add	*5.49*
		For >250 To 500, Add	*2.06*
		For >1,000, Deduct	*-2.06*

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	139.88
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	239.93
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor Note: For use with machine excavation.	1.09
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor Note: For use with machine excavation.	1.25

31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*
Note: With imported or stockpiled materials.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.37	
		For Up To 20, Add	*4.37*	
		For >20 To 50, Add	*3.28*	
		For >50 To 250, Add	*1.75*	
		For >250 To 500, Add	*0.66*	
		For >1,000, Deduct	*-0.66*	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	38.86	
31 23 16 13-0014		**Compaction Of Fill Or Subbase For Trenches** *(31 23 16 13)*		
		Note: Includes restoration of final grade.		
31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, etc.	8.10	
		For Up To 20, Add	*8.10*	
		For >20 To 50, Add	*6.08*	
		For >50 To 250, Add	*3.24*	
		For >250 To 500, Add	*1.22*	
		For >1,000, Deduct	*-1.22*	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	43.83	
31 23 16 13-0017		**Loading Excess Material For Removal From Excavation For Trenches** *(31 23 16 13)*		
		Note: Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.59	
		For Up To 20, Add	*7.59*	
		For >20 To 50, Add	*5.69*	
		For >50 To 250, Add	*3.04*	
		For >250 To 500, Add	*1.14*	
		For >1,000, Deduct	*-1.14*	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	102.56	
31 23 16 13-0020		**Spread Excess Or Imported Material For Trenches** *(31 23 16 13)*		
		Note: Includes hand work by laborer for cleanup.		
31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	3.61	
		For Up To 20, Add	*3.61*	
		For >20 To 50, Add	*2.71*	
		For >50 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.54*	
		For >1,000, Deduct	*-0.54*	
31 23 16 13-0022		**Direct Burial (Plowed-in) Cable Or Piping By Machine** *(31 23 16 13)*		
		Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	2.67	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.93	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.17	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.71	
31 23 16 13-0027		**Utility Chain Trencher** *(31 23 16 13)*		
31 23 16 13-0028		**Utility Trench, Chain Trencher** *(31 23 16 13-0027)*		
		Note: Earth left adjacent to trench.		
31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.48	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.22*	
		For >500, Deduct	*-0.44*	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.62	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.49*	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.68	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.50*	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.77	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.53*	
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.94	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.29*	
		For >500, Deduct	*-0.58*	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.22	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.67*	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.66	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.52	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.76*	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.96	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.89*	
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.36	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-1.01*	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	3.98	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-1.19*	

31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.23	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.03*	
		For >500, Deduct	*-0.07*	
31 23 16 13-0042	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.36	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0043	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.36	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.72	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.22*	
31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	1.03	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.31*	
31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.72	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.22*	
31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.96	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.14*	
		For >500, Deduct	*-0.29*	
31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.44	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.22*	
		For >500, Deduct	*-0.43*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.19
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.47
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	13.59
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	15.29
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	16.68
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	18.35
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	20.38
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	22.93
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	26.21
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	30.59
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	36.70
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	45.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	77.73	
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	21.28	

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	6.31	
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	8.10	
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	8.94	
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	10.31	
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	14.56	
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	19.44	
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	23.79	
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	27.77	
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	37.94	
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	47.19	
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	56.21	
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	65.60	

31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.44	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.58	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.45	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.79	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	16.49	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	22.02	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	26.85	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	31.19	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	41.82	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	51.23	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	60.35	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	69.72	

31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.19	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	6.75	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.06	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.27	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	9.71	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	12.95	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	15.54	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	17.62	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	21.47	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	24.09	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	26.42	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	28.50	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	29.48	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic (Slate) Rock	31.45	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous (Granite, Basalt) Rock	37.34	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	11.31	
		For Excavation In Light Material (Class A), Deduct		*-1.41*
		For Excavation In Heavy/Wet Material (Class C), Add		*4.52*
		For >1,000, Deduct		*-1.70*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.23	
		For Excavation In Light Material (Class A), Deduct		*-0.78*
		For Excavation In Heavy/Wet Material (Class C), Add		*2.49*
		For >1,000, Deduct		*-0.93*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	13.92	
		For >1,000, Deduct		*-2.09*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	7.67	
		For >1,000, Deduct		*-1.15*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	6.98	
		For >1,000, Deduct	*-1.05*	

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.76	
		For >1,000, Deduct	*-1.16*	

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.21	
		For >1,000, Deduct	*-0.93*	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.31	
		For >1,000, Deduct	*-1.40*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	13.96	
		For >1,000, Deduct	*-2.09*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	18.62	
		For >1,000, Deduct	*-2.79*	

31 23 16 33-0015 Finish Grading For Bulk Excavation *(31 23 16 33)*

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.77	

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.78	

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	6.26	
		For >1,000, Deduct	*-0.94*	

31 23 16 36 Excavation for Building Foundations and Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.17	
		For Excavation In Light Material (Class A), Deduct	*-1.27*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.07*	
		For Up To 20, Add	*10.17*	
		For >20 To 50, Add	*7.63*	
		For >50 To 250, Add	*4.07*	
		For >250 To 500, Add	*1.53*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	12.63	
		For Up To 20, Add	*12.63*	
		For >20 To 50, Add	*9.47*	
		For >50 To 250, Add	*5.05*	
		For >250 To 500, Add	*1.89*	

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.50	
		For Excavation In Light Material (Class A), Deduct	*-0.94*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.00*	
		For Up To 20, Add	*7.50*	
		For >20 To 50, Add	*5.63*	
		For >50 To 250, Add	*3.00*	
		For >250 To 500, Add	*1.13*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	8.92	
		For Up To 20, Add	*8.92*	
		For >20 To 50, Add	*6.69*	
		For >50 To 250, Add	*3.57*	
		For >250 To 500, Add	*1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0008		**Excavation For Building Foundations And Other Structures By Hand** *(31 23 16 36-0001)*		
		Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	139.88	
		For Excavation In Light Material (Class A), Deduct	*-17.49*	
		For Excavation In Heavy/Wet Material (Class C), Add	*55.95*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock	239.93	
		Note: Includes compacted aggregate		
31 23 16 36-0011		**Relocating On Site Excavated Stockpiled Material From Excavation** *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.21	
		For Up To 20, Add	*6.21*	
		For >20 To 50, Add	*4.66*	
		For >50 To 250, Add	*2.48*	
		For >250 To 500, Add	*0.93*	
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.31	
		For Up To 20, Add	*9.31*	
		For >20 To 50, Add	*6.98*	
		For >50 To 250, Add	*3.72*	
		For >250 To 500, Add	*1.40*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.96	
		For Up To 20, Add	*13.96*	
		For >20 To 50, Add	*10.47*	
		For >50 To 250, Add	*5.58*	
		For >250 To 500, Add	*2.09*	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	18.62	
		For Up To 20, Add	*18.62*	
		For >20 To 50, Add	*13.97*	
		For >50 To 250, Add	*7.45*	
		For >250 To 500, Add	*2.79*	
31 23 16 36-0016		**Backfilling** *(31 23 16 36)*		
		Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.01	
		For Up To 20, Add	*5.01*	
		For >20 To 50, Add	*3.76*	
		For >50 To 250, Add	*2.00*	
		For >250 To 500, Add	*0.75*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.80	
		For Up To 20, Add	*5.80*	
		For >20 To 50, Add	*4.35*	
		For >50 To 250, Add	*2.32*	
		For >250 To 500, Add	*0.87*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	66.61	
31 23 16 36-0020		**Compaction Of Fill Or Subbase** *(31 23 16 36)*		
		Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, etc.	12.84	
		For Up To 20, Add	*12.84*	
		For >20 To 50, Add	*9.63*	
		For >50 To 250, Add	*5.14*	
		For >250 To 500, Add	*1.93*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	43.82	
31 23 16 36-0023		**Grading For Building Foundations And Other Structures** *(31 23 16 36)*		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.34	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.16	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	12.95	
31 23 16 36-0027		**Loading Excess Material For Removal From Excavation** *(31 23 16 36)*		
		Note: For building foundations and other structures. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.52	
		For Up To 20, Add	*6.52*	
		For >20 To 50, Add	*4.89*	
		For >50 To 250, Add	*2.61*	
		For >250 To 500, Add	*0.98*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	102.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 36-0030 Spread Excess Or Imported Material And Grade On Site *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.61	
		For Up To 20, Add	*3.61*	
		For >20 To 50, Add	*2.71*	
		For >50 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.54*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	56.60	

31 23 16 46 Excavation Operations to Expose Underground Pipes and Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0017 for loading excess material, 31 23 16 13-0020 for spreading excess material.

31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	14.98	
		For Excavation In Light Material (Class A), Deduct	*-1.87*	
		For Excavation In Heavy/Wet Material (Class C), Add	*5.99*	
		For Up To 20, Add	*14.98*	
		For >20 To 50, Add	*11.24*	
		For >50 To 250, Add	*5.99*	
		For >250 To 500, Add	*2.25*	
31 23 16 46-0004	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	17.79	
		For Up To 20, Add	*17.79*	
		For >20 To 50, Add	*13.34*	
		For >50 To 250, Add	*7.12*	
		For >250 To 500, Add	*2.67*	

31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	174.84
31 23 16 46-0007	CY	Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	261.09

31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0009	CY	Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	11.23	
		For >20 To 50, Add	*8.42*	
		For >50 To 250, Add	*4.49*	
		For >250 To 500, Add	*1.68*	
31 23 16 46-0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures	79.26	

31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0012	CY	Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	16.18	
		For Up To 20, Add	*16.18*	
		For >20 To 50, Add	*12.14*	
		For >50 To 250, Add	*6.47*	
		For >250 To 500, Add	*2.43*	
31 23 16 46-0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	52.60	

31 23 16 46-0014 Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 46-0015	CY	Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures	7.59	
		For Up To 20, Add	*7.59*	
		For >20 To 50, Add	*5.69*	
		For >50 To 250, Add	*3.04*	
		For >250 To 500, Add	*1.14*	
		For >1,000, Deduct	*-1.14*	
31 23 16 46-0016	CY	Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures	102.56	

31 23 16 46-0017 Spread Excess Or Imported Material And Grade At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for cleanup.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0018	CY	Spread Excess Or Imported Material And Grade On Site By Machine At Exposed Underground Pipe Or Structures	3.61	
		For Up To 20, Add	*3.61*	
		For >20 To 50, Add	*2.71*	
		For >50 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.54*	
		For >1,000, Deduct	*-0.54*	
31 23 16 46-0019	CY	Spread Excess Or Imported Material And Grade On Site By Hand At Exposed Underground Pipe Or Structures	56.60	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	142.45	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	78.35	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	71.23	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	64.10	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	56.98	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	49.86	

31 23 19 00-0009 Well Point Dewatering System Rental *(31 23 19 00-0001)*

Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.29	
		For >5 Days And <1 Month, Deduct	*-0.50*	
		For >1 Month, Deduct	*-0.64*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.34	
		For >5 Days And <1 Month, Deduct	*-0.29*	
		For >1 Month, Deduct	*-0.38*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.96	
		For >5 Days And <1 Month, Deduct	*-0.21*	
		For >1 Month, Deduct	*-0.27*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.70	
		For >5 Days And <1 Month, Deduct	*-0.15*	
		For >1 Month, Deduct	*-0.20*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.64	
		For >5 Days And <1 Month, Deduct	*-0.14*	
		For >1 Month, Deduct	*-0.18*	

31 23 19 00-0015 Well Point Dewatering System Operation Costs *(31 23 19 00-0001)*

Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	134.30	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001 Compaction Water, Water Truck And Operator *(31 23 23 23)*

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	294.51	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001 Flowable Fill (Fly Ash) Cement Backfill For Trenches *(31 23 23 33)*

Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	148.44	
		For Up To 20, Add	*61.05*	
		For >20 To 50, Add	*39.60*	
		For >50 To 250, Add	*19.80*	
		For >500 To 1,000, Deduct	*-10.73*	
		For >1,000, Deduct	*-21.45*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations *(31 24 13)*

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 24 13 00-0002 Cutting, Shaping And Rough Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 Cutting, Shaping, And Rough Grading *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	7.76	
		For Up To 20, Add	*7.76*	
		For >20 To 50, Add	*5.82*	
		For >50 To 250, Add	*3.10*	
		For >250 To 500, Add	*1.16*	
		For >1,000, Deduct	*-1.16*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate	9.62	
		For Up To 20, Add	*9.62*	
		For >20 To 50, Add	*7.22*	
		For >50 To 250, Add	*3.85*	
		For >250 To 500, Add	*1.44*	
		For >1,000, Deduct	*-1.44*	

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.17	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.32	

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.19	
		For Up To 20, Add	*3.60*	
		For >20 To 50, Add	*1.80*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.44*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	13.96	
		For Up To 20, Add	*13.96*	
		For >20 To 50, Add	*10.47*	
		For >50 To 250, Add	*5.58*	
		For >250 To 500, Add	*2.09*	
		For >1,000, Deduct	*-2.09*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	18.62	
		For Up To 20, Add	*18.62*	
		For >20 To 50, Add	*13.97*	
		For >50 To 250, Add	*7.45*	
		For >250 To 500, Add	*2.79*	
		For >1,000, Deduct	*-2.79*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.53	
		For Up To 20, Add	*8.53*	
		For >20 To 50, Add	*6.40*	
		For >50 To 250, Add	*3.41*	
		For >250 To 500, Add	*1.28*	
		For >1,000, Deduct	*-1.28*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.85	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.14	
31 24 13 00-0019	LF	Finish Grade For Curb	1.28	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.56	

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.78	
		For Up To 250, Add	*0.78*	
		For >250 To 500, Add	*0.59*	
		For >500 To 1,000, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0023		Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for cleanup.		
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.26	
		For Up To 20, Add	*6.26*	
		For >20 To 50, Add	*4.70*	
		For >50 To 250, Add	*2.50*	
		For >250 To 500, Add	*0.94*	
		For >1,000, Deduct	*-0.94*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	65.24
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	59.87
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	55.32
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	52.73

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.31
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.29
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.14
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.31
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.93

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.27
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.80
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.55
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.72
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	3.98

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	15.05
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	13.84
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	17.74

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	4.85

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.73
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxial oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.80

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0001		**Sand Bags** *(31 25 14 23)*		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand	6.90	2.95
		For >2,500 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-1.28*	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand	8.87	3.66
		For >2,500 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.62*	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand	11.18	4.38
		For >2,500 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.99*	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand	13.75	5.48
		For >2,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-2.47*	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand	16.74	6.56
		For >2,500 To 5,000, Deduct	*-1.31*	
		For >5,000, Deduct	*-2.99*	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand	19.53	7.47
		For >2,500 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-3.45*	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand	156.74	52.07
		For >2,500 To 5,000, Deduct	*-9.64*	
		For >5,000, Deduct	*-25.31*	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand	200.47	57.27
		For >2,500 To 5,000, Deduct	*-10.60*	
		For >5,000, Deduct	*-30.65*	
31 25 14 23-0010		**Gravel Bags** *(31 25 14 23)*		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel	6.69	1.96
		For >2,500 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-1.06*	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel	12.04	2.95
		For >2,500 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-1.79*	
31 25 14 23-0013		**Floating Turbidity Curtain** *(31 25 14 23)*		
		Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft. buoyancy in saltwater.		
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.59	
		For Type 1, Deduct	*-4.23*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.58*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.13*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	29.89	
		For Type 1, Deduct	*-4.66*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.84*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.44*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	33.07	
		For Type 1, Deduct	*-5.28*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.21*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.90*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.78	
		For Type 1, Deduct	*-5.79*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.52*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.28*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.55	
		For Type 1, Deduct	*-6.07*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.69*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.49*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	39.33	
		For Type 1, Deduct	*-6.35*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.87*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.70*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	41.39	
		For Type 1, Deduct	*-6.69*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.95*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.21	
		For Type 1, Deduct	*-7.20*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.38*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.32*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.46	
		For Type 1, Deduct	*-7.57*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.59*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	49.47	
		For Type 1, Deduct	*-8.10*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.99*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.27	
		For Type 1, Deduct	*-8.58*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.22*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	54.98	
		For Type 1, Deduct	*-9.03*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.50*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.68*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	59.81	
		For Type 1, Deduct	*-9.97*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.37*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	62.73	
		For Type 1, Deduct	*-10.45*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.36*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.72*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	65.55	
		For Type 1, Deduct	*-10.90*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.63*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.05*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	68.54	
		For Type 1, Deduct	*-11.38*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.41*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	71.46	
		For Type 1, Deduct	*-11.83*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.20*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.74*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	736.28	
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,008.77	
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,282.44	
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,676.59	

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	257.66	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	372.82	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	428.65	

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	267.89	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	370.88	

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 Lbs./CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	42.62	
		For Up To 500, Add	*9.72*	
		For >500 To 1,000, Add	*5.45*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	48.52	
		For Up To 500, Add	*11.00*	
		For >500 To 1,000, Add	*6.15*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	55.31	
		For Up To 500, Add	*12.49*	
		For >500 To 1,000, Add	*6.96*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	62.29	
		For Up To 500, Add	*14.05*	
		For >500 To 1,000, Add	*7.82*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	45.45	
		For Up To 500, Add	*10.28*	
		For >500 To 1,000, Add	*5.74*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	51.90	
		For Up To 500, Add	*11.68*	
		For >500 To 1,000, Add	*6.49*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	59.32	
		For Up To 500, Add	*13.29*	
		For >500 To 1,000, Add	*7.36*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	66.87	
		For Up To 500, Add	*14.96*	
		For >500 To 1,000, Add	*8.28*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes and embedding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0002		**Silt Fences 2' High** *(31 25 14 26-0001)*		
		See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	5.10	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	3.93	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	2.76	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.34	
31 25 14 26-0007		**Silt Fences 3' High** *(31 25 14 26-0001)*		
		See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	6.04	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	4.68	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.25	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.65	
31 25 14 26-0012		**Silt Dike Barrier** *(31 25 14 26-0001)*		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	3.98	
31 25 14 26-0014		**Silt Fences Removal** *(31 25 14 26-0001)*		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.93	
31 25 14 26-0016		**Hay And Straw Bales** *(31 25 14 26)*		
		Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterilized Straw Bales	5.26	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.		
31 25 14 26-0018	LF	Place Hay Bales	4.88	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.		
31 25 14 26-0019	LF	Removal Of Hay Or Straw Bales	1.67	
		Note: Includes removal of stakes.		
31 25 14 26-0020		**Sediment Logs (Degradable)** *(31 25 14 26)*		
31 25 14 26-0021		**Sediment Logs (Degradable)** *(31 25 14 26-0020)*		
		Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF	9" Sediment Fiber Roll Log	5.86	
31 25 14 26-0023	LF	12" Sediment Fiber Roll Log	6.73	
31 25 14 26-0024	LF	20" Sediment Fiber Roll Log	10.03	
31 25 14 26-0025		**Wattles (Degradable) With UV Stabilized Synthetic Netting** *(31 25 14 26-0020)*		
		Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	117.84	
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	122.39	
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	126.28	
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	126.45	
31 25 14 26-0030		**Fiber Roll (CALTRANS Type 1)** *(31 25 14 26)*		
		Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0031	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.44	
		For >1,000 To 10,000, Deduct	*-0.81*	
		For >10,000, Deduct	*-1.36*	
31 25 14 26-0032	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.66	
		For >1,000 To 10,000, Deduct	*-0.82*	
		For >10,000, Deduct	*-1.38*	
31 25 14 26-0033	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	8.51	
		For >1,000 To 10,000, Deduct	*-0.98*	
		For >10,000, Deduct	*-1.65*	
31 25 14 26-0034		**Fiber Roll (CALTRANS Type 2)** *(31 25 14 26)*		
		Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0035	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.02	
		For >1,000 To 10,000, Deduct	*-0.60*	
		For >10,000, Deduct	*-1.00*	
31 25 14 26-0036	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.44	
		For >1,000 To 10,000, Deduct	*-0.64*	
		For >10,000, Deduct	*-1.07*	
31 25 14 26-0037	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.63	
		For >1,000 To 10,000, Deduct	*-0.70*	
		For >10,000, Deduct	*-1.18*	
31 25 14 26-0038		**Inlet Protection Sediment Bags** *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0039	EA	2' x 2' x 3' Inlet Protection Sediment Bag	65.01	
31 25 14 26-0040	EA	2' x 3' x 3' Inlet Protection Sediment Bag	75.40	
31 25 14 26-0041	EA	2' x 4' x 3' Inlet Protection Sediment Bag	82.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001 Commercial Use *(31 31 16 13)*

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.97
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.38

31 31 16 13-0004 Residential Use *(31 31 16 13)*

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.45
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.58

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant	34.01
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
		For >45 To 90, Deduct	*-0.50*
		For >90 To 225, Deduct	*-2.71*
		For >225, Deduct	*-3.71*

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	41.73
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	47.95
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	58.18
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	68.27

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	37.63
31 32 13 19-0003	TON	Cement Stabilized Base Material	138.84
31 32 13 19-0004	CWT	Lime For Soil Stabilization	22.47
		Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	19.09
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.46

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 Lbs./CF using lime weight of 5.5 Lbs./CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	13.50
		For 4% Lime Instead Of 5%, Deduct	*-0.40*
		For 6% Lime Instead Of 5%, Add	*0.40*
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	15.67
		For 4% Lime Instead Of 5%, Deduct	*-0.46*
		For 6% Lime Instead Of 5%, Add	*0.46*
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	17.87
		For 4% Lime Instead Of 5%, Deduct	*-0.52*
		For 6% Lime Instead Of 5%, Add	*0.52*

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.90

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.43	
		For Up To 50, Add	*1.20*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.20	
		For Up To 50, Add	*1.36*	
		For >50 To 150, Add	*1.01*	
		For >150 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.33*	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.77	
		For Up To 50, Add	*1.48*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.75	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.51*	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.16	
		For Up To 50, Add	*2.37*	
		For >50 To 150, Add	*1.77*	
		For >150 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.58*	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.52	
		For Up To 50, Add	*1.22*	
		For >50 To 150, Add	*0.90*	
		For >150 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.30*	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.14	
		For Up To 50, Add	*1.75*	
		For >50 To 150, Add	*1.30*	
		For >150 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.43*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.69	
		For Up To 50, Add	*0.38*	
		For >50 To 150, Add	*0.28*	
		For >150 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.81	
		For Up To 50, Add	*0.41*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.51	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.94	
		For Up To 50, Add	*0.65*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.24	
		For Up To 50, Add	*0.71*	
		For >50 To 150, Add	*0.52*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	4.00	
		For Up To 50, Add	*0.86*	
		For >50 To 150, Add	*0.64*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric	7.05	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0012	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.45	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0013	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.44	
		For Up To 50, Add	*0.73*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.08	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.93	
		For Up To 50, Add	*1.24*	
		For >50 To 150, Add	*0.93*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0016	SY	6.9 Oz./SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.18	
		For Up To 50, Add	*1.09*	
		For >50 To 150, Add	*0.82*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0017	SY	9.1 Oz./SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.54	
		For Up To 50, Add	*1.17*	
		For >50 To 150, Add	*0.87*	
		For >150 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.29*	
31 32 19 16-0018	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.08	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
31 32 19 16-0019	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.10	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.51*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.49
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.72
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.09
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.50
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.86
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.13
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.40
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.76
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.10

31 32 19 16-0031 High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0032	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.15	
31 32 19 16-0033	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.03	
31 32 19 16-0034	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.14	
31 32 19 16-0035	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.61	
31 32 19 16-0036	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.34	
31 32 19 16-0037	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.55	
31 32 19 16-0038	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.77	
31 32 19 16-0039	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.86	
31 32 19 16-0040	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.95	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.82
		For >20,000, Deduct	*-0.19*
		For >2:1 Slope, Add	*1.32*
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.54
		For >20,000, Deduct	*-0.28*
		For >2:1 Slope, Add	*1.32*
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.59
		For >20,000, Deduct	*-0.38*
		For >2:1 Slope, Add	*1.32*

31 32 36 Soil Nailing *(31 32)*

31 32 36 11 Soil Nailing Stabilization *(31 32 36)*

31 32 36 11-0001 Landslide and Slip-Out Stabilization *(31 32 36 11)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

31 32 36 11-0002 BioWall® *(31 32 36 11-0001)*

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0003	SF	BioWall® Construction	25.00

31 32 36 11-0004 Green Terra Mesh *(31 32 36 11-0001)*

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0005	EA	Green Terra Mesh	635.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components *(31 32 36 11-0001)*

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb./ft. (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr. (10 miles/hr.). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front o See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction Note: Installation sold per square face foot (excludes materials)	23.75
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75

31 32 36 11-0011 Turf *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0012 Permanent Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxial oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat Note: sold per square face foot	1.50

31 32 36 11-0014 Biodegradable Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.75

31 32 36 11-0016 Shotcrete or Gunite *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0017 **Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™** *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100

Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

31 32 36 11-0018 SFI Wet-Mix Reinforced Shotcrete 5.50

Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0019 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6

31 32 36 11-0020	SFI	Dry-Mix Reinforced Gunite Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	8.50	

31 32 36 11-0021 Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

31 32 36 11-0022	SFI	Steel Fiber Reinforcement Note: sold per inch thickness over one square face foot of area	1.25	

31 32 36 11-0023 Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0024 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0023)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 11-0025	SF	High Capacity Diamond Mesh Note: sold per square face foot	11.00	
31 32 36 11-0026	SF	Double Twist Wire Mesh Note: sold per square face foot	13.75	

31 32 36 11-0027 Steel Plates *(31 32 36 11-0023)*

31 32 36 11-0028	EA	8x8 Galvanized Steel Plates	35.00	
31 32 36 11-0029	EA	10x10 Galvanized Steel Plates	54.75	
31 32 36 11-0030	EA	12x12 Galvanized Steel Plates	78.75	
31 32 36 11-0031	EA	8x8 Epoxy Coated Steel Plates	76.00	
31 32 36 11-0032	EA	10x10 Epoxy Coated Steel Plates	89.25	
31 32 36 11-0033	EA	12x12 Epoxy Coated Steel Plates	105.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0034		**Drilled Horizontal Drains** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter)	26.00	
31 32 36 11-0036	LF	Stripdrain - 6" Wide	3.25	
31 32 36 11-0037	LF	Stripdrain - 12" Wide	4.00	
31 32 36 11-0038	LF	PVC Drain Collector Pipe System	26.75	
31 32 36 11-0039		**Rockfall Stabilization** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0040	SF	Scaling	3.75	
31 32 36 11-0041	SF	Trim Blasting	155.00	
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh	45.00	
31 32 36 11-0043	SY	Slope Drape - Cable Net	135.00	
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm)	135.00	
31 32 36 11-0045	LF	Temporary Rockfall Barrier	500.00	
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet)	25.00	
31 32 36 11-0047	LF	High Reach Drilling (>25 feet)	45.00	
31 32 36 11-0048	LF	Limited Access Drilling	100.00	
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized)	18.50	
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated)	15.25	
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized)	23.25	
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated)	17.25	
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized)	23.50	
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated)	18.75	
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized)	26.50	
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized)	29.25	
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized)	34.50	
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated)	31.75	
31 32 36 11-0061	EA	Rock Anchor Testing	825.00	
31 32 36 11-0062		**Mobilization / Demobilization** *(31 32 36 11-0001)*		
31 32 36 11-0063	EA	Mobilization - In State	10,000.00	
31 32 36 11-0064	EA	Mobilization - Out Of State	25,000.00	
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder	9,800.00	
31 32 36 11-0066		**Daily Crew Rates (DCR)** *(31 32 36 11-0001)*		
31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday	13,150.00	
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday	15,200.00	
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday	12,925.00	
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday	2,050.00	
31 32 36 11-0071	EA	Out of State Crew Rotation	4,950.00	
31 32 36 11-0072	EA	Spider Excavation	5,500.00	
31 32 36 13		**Driven Soil Nailing** *(31 32 36)*		
31 32 36 13-0001		Large Diameter Micropiles *(31 32 36 13)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing)	94.50	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing)	130.25	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing)	166.50	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing)	213.25	
31 32 36 16		**Grouted Soil Nailing** *(31 32 36)*		
31 32 36 16-0001		Grouting *(31 32 36 16)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 16-0002 Compaction Grouting *(31 32 36 16-0001)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill	39.00

31 32 36 16-0006 Polyurethane Grouting *(31 32 36 16-0001)*

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - Lbs./CF D 1622 3.0 Lbs./CF 6.0 Lbs./CF Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling	11.50

31 32 36 19 Corrosion-Protected Soil Nailing *(31 32 36)*

31 32 36 19-0001 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 19)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002 Self-Drilling SuperNails® *(31 32 36 19-0001)*

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar	129.50

31 32 36 19-0012 SuperNail® Testing *(31 32 36 19)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing *(31 32 36)*

31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) *(31 32 36 26)*

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'	605.00
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.	
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'	621.50
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'	478.50
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0005	EA	Temporary Launched Soil Nail	379.50
		Note: bare steel tube up to 20 ft. length.	
31 32 36 26-0006	EA	Fiberglass SuperDrain™	495.00
		Note: perforated fiberglass tube up to 20 ft. length.	
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™	379.50
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.	

31 32 36 29 Drilled Soil Nailing *(31 32 36)*

31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 29)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	

31 32 36 33 Drilled / Launched Soil Nailing *(31 32 36)*

31 32 36 33-0001 Drilled / Launched SuperMicropiles™ *(31 32 36 33)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length	1,280.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length	1,540.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 Oz./SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.49

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	75.65
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	89.29
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	107.69
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	127.22
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	149.39
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	204.47
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	258.43

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	86.97
		For Chinking Material, Add	*14.39*
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	101.69
		For Chinking Material, Add	*14.39*
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	108.63
		For Chinking Material, Add	*14.39*
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	116.53
		For Chinking Material, Add	*14.39*
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	122.90
		For Chinking Material, Add	*14.39*
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	133.32
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	150.96
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	57.24
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	66.59
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	70.99
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	76.01
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	80.05
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	86.74
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	101.09

31 40 Shoring and Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	14.89
		For Wood Sheeting Left In Place	*-1.35*
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	16.12
		For Wood Sheeting Left In Place	*-1.58*
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	17.45
		For Wood Sheeting Left In Place	*-1.84*
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	18.90
		For Wood Sheeting Left In Place	*-2.13*
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	20.48
		For Wood Sheeting Left In Place	*-2.43*
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	22.19
		For Wood Sheeting Left In Place	*-2.80*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	24.06	
		For Wood Sheeting Left In Place	*-3.18*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,356.74
		For Standard Sheeting Left In Place, Add	*1,259.39*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,211.59*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*
		For Each Additional Month >3 Months, Add	*59.75*
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,451.52
		For Standard Sheeting Left In Place, Add	*1,212.00*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,164.20*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*
		For Each Additional Month >3 Months, Add	*59.75*
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,892.17
		For Standard Sheeting Left In Place, Add	*991.67*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*943.88*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*
		For Each Additional Month >3 Months, Add	*59.75*
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,316.18
		For Standard Sheeting Left In Place, Add	*779.67*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*731.87*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*
		For Each Additional Month >3 Months, Add	*59.75*
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,565.60
		For Standard Sheeting Left In Place, Add	*654.96*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*607.16*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*
		For Each Additional Month >3 Months, Add	*59.75*
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,820.01
		For Standard Sheeting Left In Place, Add	*527.75*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*479.96*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*
		For Each Additional Month >3 Months, Add	*59.75*

31 43 Concrete Raising *(31 40)*

31 43 13 Pressure Grouting *(31 43)*

31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

31 43 13 16-0002	EA	Minimum Charge For Mobilization PolyLift™ Concrete Lifting And Leveling	3,692.37
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	31.00
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	25.98

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	18.65

31 48 Underpinning *(31 40)*

31 48 33 Micropile Underpinning *(31 48)*

31 48 33 00-0001 Augered Micropile And Grout System *(31 48 33)*

31 48 33 00-0002	EA	Micropile Mobilization Per Job	2,633.79
31 48 33 00-0003	EA	Relocate And Set-up For Micropile Equipment At New Pile Cap Location	658.45
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	381.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void - Indoor Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	463.43	
31 48 33 00-0006	EA	Pile Load Test	3,292.24	

31 50 Excavation Support and Protection *(31)*

31 52 Cofferdams *(31 50)*

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*
Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*
Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	51.69	
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	66.16	
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	93.04	
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	119.92	
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	155.06	
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	310.12	
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	434.18	
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	614.05	

31 52 21 00-0011 Delivery And Set-up For Portable Cofferdam *(31 52 21 00-0001)*
Note: Excludes crane usage where required. See CSI section 01 22 23 00-0839 for crane lifting equipment.

31 52 21 00-0012	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	11.66
31 52 21 00-0013	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	18.65
31 52 21 00-0014	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	27.97
31 52 21 00-0015	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	37.31
31 52 21 00-0016	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	6.99
31 52 21 00-0017	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	11.66
31 52 21 00-0018	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	18.65
31 52 21 00-0019	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	25.65

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	5.83
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	9.32
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	13.99
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	18.65

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	37.07	
		For Piles Driven In Water, Add		*17.95*
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	46.51	
		For Piles Driven In Water, Add		*20.21*
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	56.40	
		For Piles Driven In Water, Add		*22.25*
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	69.11	
		For Piles Driven In Water, Add		*24.70*
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	83.90	
		For Piles Driven In Water, Add		*27.54*
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	97.07	
		For Piles Driven In Water, Add		*30.46*
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	123.84	
		For Piles Driven In Water, Add		*35.03*

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	41.65	
		For Piles Driven In Water, Add		*18.82*
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	51.11	
		For Piles Driven In Water, Add		*20.67*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	60.73	
		For Piles Driven In Water, Add	*22.68*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	72.62	
		For Piles Driven In Water, Add	*25.06*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	77.29	
		For Piles Driven In Water, Add	*26.88*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	82.25	
		For Piles Driven In Water, Add	*28.98*	

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	59.81	
		For Piles Driven In Water, Add	*19.81*	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	70.87	
		For Piles Driven In Water, Add	*21.74*	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	83.95	
		For Piles Driven In Water, Add	*23.96*	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	94.99	
		For Piles Driven In Water, Add	*26.10*	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	119.35	
		For Piles Driven In Water, Add	*29.73*	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	147.47	
		For Piles Driven In Water, Add	*33.90*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	37.14	
		For Piles Driven In Water, Add	*19.28*	
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	41.31	
		For Piles Driven In Water, Add	*20.47*	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	49.58	
		For Piles Driven In Water, Add	*21.29*	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	47.92	
		For Piles Driven In Water, Add	*21.61*	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	53.43	
		For Piles Driven In Water, Add	*22.16*	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	61.07	
		For Piles Driven In Water, Add	*24.34*	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	66.58	
		For Piles Driven In Water, Add	*24.89*	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	61.01	
		For Piles Driven In Water, Add	*24.78*	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	70.38	
		For Piles Driven In Water, Add	*25.71*	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	78.73	
		For Piles Driven In Water, Add	*28.11*	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	87.55	
		For Piles Driven In Water, Add	*28.99*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	328.86
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	368.03
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	505.05
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	524.63

31 62 16 16-0019 Rolled Steel H Driving Caps *(31 62 16 16-0013)*

31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,258.91
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,258.91
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,320.55
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,985.31

31 62 16 16-0024 Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*

31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	348.45
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	368.03
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	505.05
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	563.80
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	505.05
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	601.74

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Unfilled Tubular Driven Steel Piles *(31 62 16 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	54.08	
		For Piles Driven In Water, Add	*25.33*	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	62.07	
		For Piles Driven In Water, Add	*26.13*	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	70.69	
		For Piles Driven In Water, Add	*27.00*	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	62.07	
		For Piles Driven In Water, Add	*26.13*	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	69.65	
		For Piles Driven In Water, Add	*26.89*	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	86.42	
		For Piles Driven In Water, Add	*28.57*	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	72.63	
		For Piles Driven In Water, Add	*28.23*	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	81.51	
		For Piles Driven In Water, Add	*29.12*	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	86.44	
		For Piles Driven In Water, Add	*29.61*	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	100.26	
		For Piles Driven In Water, Add	*31.00*	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	78.62	
		For Piles Driven In Water, Add	*31.03*	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	88.67	
		For Piles Driven In Water, Add	*32.03*	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	98.71	
		For Piles Driven In Water, Add	*33.04*	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	108.76	
		For Piles Driven In Water, Add	*34.04*	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	87.49	
		For Piles Driven In Water, Add	*34.62*	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	99.23	
		For Piles Driven In Water, Add	*35.80*	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	122.14	
		For Piles Driven In Water, Add	*38.09*	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	107.48	
		For Piles Driven In Water, Add	*38.81*	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	122.74	
		For Piles Driven In Water, Add	*40.34*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	151.74	
		For Piles Driven In Water, Add	*43.24*	

31 62 16 19-0022 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0023 Steel Pipe Pile Splices *(31 62 16 19-0022)*

31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	357.35
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	392.37
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	502.21
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	536.74
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	660.44
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	808.92

31 62 16 19-0030 Steel Pipe Standard Pile Points *(31 62 16 19-0022)*

31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	338.61
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	366.65
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	418.79
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	495.91
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	566.02
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	649.79

31 62 16 19-0037 Steel Pipe Heavy-Duty Pile Points *(31 62 16 19-0022)*

31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	486.53
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	521.59
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	590.15
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	730.38
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	842.17

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 Lb. Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	39.95	
		For Piles Driven In Water, Add	*17.83*	
		For Untreated Pile, Deduct	*-9.09*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0003		LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	42.14	
			For Piles Driven In Water, Add	*19.78*	
			For Untreated Pile, Deduct	*-9.19*	
			For Each Pile Tip Point, Add	*12.50*	
			For Each Pile Butt, Driving Cap, Add	*20.10*	
			For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004		LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	44.44	
			For Piles Driven In Water, Add	*21.05*	
			For Untreated Pile, Deduct	*-9.62*	
			For Each Pile Tip Point, Add	*12.50*	
			For Each Pile Butt, Driving Cap, Add	*20.10*	
			For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005		LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	47.91	
			For Piles Driven In Water, Add	*23.48*	
			For Untreated Pile, Deduct	*-10.05*	
			For Each Pile Tip Point, Add	*12.50*	
			For Each Pile Butt, Driving Cap, Add	*20.10*	
			For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006		LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	59.39	
			For Piles Driven In Water, Add	*26.69*	
			For Untreated Pile, Deduct	*-13.44*	
			For Each Pile Tip Point, Add	*12.50*	
			For Each Pile Butt, Driving Cap, Add	*20.10*	
			For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007		LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	74.13	
			For Piles Driven In Water, Add	*32.32*	
			For Untreated Pile, Deduct	*-17.19*	
			For Each Pile Tip Point, Add	*12.50*	
			For Each Pile Butt, Driving Cap, Add	*20.10*	
			For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002		VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	58.29	
			For 5,000 PSI Concrete Grout Fill, Add	*6.51*	
			For Piles Driven In Water, Add	*27.48*	
31 62 23 13-0003		VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	66.28	
			For 5,000 PSI Concrete Grout Fill, Add	*7.31*	
			For Piles Driven In Water, Add	*28.28*	
31 62 23 13-0004		VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	74.90	
			For 5,000 PSI Concrete Grout Fill, Add	*8.17*	
			For Piles Driven In Water, Add	*29.14*	
31 62 23 13-0005		VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	68.18	
			For 5,000 PSI Concrete Grout Fill, Add	*9.18*	
			For Piles Driven In Water, Add	*28.96*	
31 62 23 13-0006		VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	75.76	
			For 5,000 PSI Concrete Grout Fill, Add	*9.94*	
			For Piles Driven In Water, Add	*29.72*	
31 62 23 13-0007		VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	92.53	
			For 5,000 PSI Concrete Grout Fill, Add	*11.61*	
			For Piles Driven In Water, Add	*31.39*	
31 62 23 13-0008		VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	81.21	
			For 5,000 PSI Concrete Grout Fill, Add	*12.39*	
			For Piles Driven In Water, Add	*32.12*	
31 62 23 13-0009		VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	90.09	
			For 5,000 PSI Concrete Grout Fill, Add	*13.28*	
			For Piles Driven In Water, Add	*33.01*	
31 62 23 13-0010		VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	95.03	
			For 5,000 PSI Concrete Grout Fill, Add	*13.78*	
			For Piles Driven In Water, Add	*33.51*	
31 62 23 13-0011		VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	108.84	
			For 5,000 PSI Concrete Grout Fill, Add	*15.16*	
			For Piles Driven In Water, Add	*34.89*	
31 62 23 13-0012		VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	90.28	
			For 5,000 PSI Concrete Grout Fill, Add	*15.35*	
			For Piles Driven In Water, Add	*37.09*	
31 62 23 13-0013		VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	100.32	
			For 5,000 PSI Concrete Grout Fill, Add	*16.35*	
			For Piles Driven In Water, Add	*38.09*	
31 62 23 13-0014		VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	110.37	
			For 5,000 PSI Concrete Grout Fill, Add	*17.36*	
			For Piles Driven In Water, Add	*39.10*	
31 62 23 13-0015		VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	120.42	
			For 5,000 PSI Concrete Grout Fill, Add	*18.36*	
			For Piles Driven In Water, Add	*40.10*	
31 62 23 13-0016		VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	99.99	
			For 5,000 PSI Concrete Grout Fill, Add	*19.03*	
			For Piles Driven In Water, Add	*39.74*	
31 62 23 13-0017		VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	111.74	
			For 5,000 PSI Concrete Grout Fill, Add	*20.20*	
			For Piles Driven In Water, Add	*40.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	134.64	
		For 5,000 PSI Concrete Grout Fill, Add	*22.49*	
		For Piles Driven In Water, Add	*43.20*	
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	122.49	
		For 5,000 PSI Concrete Grout Fill, Add	*24.32*	
		For Piles Driven In Water, Add	*44.38*	
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	137.75	
		For 5,000 PSI Concrete Grout Fill, Add	*25.85*	
		For Piles Driven In Water, Add	*45.91*	
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	166.75	
		For 5,000 PSI Concrete Grout Fill, Add	*28.75*	
		For Piles Driven In Water, Add	*48.81*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	73.44	
		For Piles Driven In Water, Add	*23.95*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	88.82	
		For Piles Driven In Water, Add	*26.68*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	100.42	
		For Piles Driven In Water, Add	*29.19*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	109.23	
		For Piles Driven In Water, Add	*31.68*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	72.08	
		For Piles Driven In Water, Add	*23.81*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	74.08	
		For Piles Driven In Water, Add	*25.20*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	90.08	
		For Piles Driven In Water, Add	*28.16*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	103.76	
		For Piles Driven In Water, Add	*31.13*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	43.83	
		For Piles Driven In Water, Add	*18.40*	
		For Thick Wall Shell, Add	*0.07*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	48.39	
		For Piles Driven In Water, Add	*20.40*	
		For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	52.91	
		For Piles Driven In Water, Add	*22.41*	
		For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	57.49	
		For Piles Driven In Water, Add	*24.43*	
		For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	62.05	
		For Piles Driven In Water, Add	*26.44*	
		For Thick Wall Shell, Add	*0.10*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	987.67
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,316.89

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	55.97
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	65.09
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	76.48
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	90.15
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	97.44
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	107.21
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	117.43

31 63 36 00-0013 Steel H Piles *(31 63 36)*

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	33.42	
		For >2,400 To 3,600, Deduct	*-1.17*	
		For >3,600 To 4,800, Deduct	*-2.35*	
		For >4,800 To 6,000, Deduct	*-4.02*	
		For >6,000, Deduct	*-5.69*	
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	37.42	
		For >2,400 To 3,600, Deduct	*-1.29*	
		For >3,600 To 4,800, Deduct	*-2.58*	
		For >4,800 To 6,000, Deduct	*-4.46*	
		For >6,000, Deduct	*-6.33*	
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	45.69	
		For >2,400 To 3,600, Deduct	*-1.50*	
		For >3,600 To 4,800, Deduct	*-3.00*	
		For >4,800 To 6,000, Deduct	*-5.28*	
		For >6,000, Deduct	*-7.57*	
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	43.91	
		For >2,400 To 3,600, Deduct	*-1.46*	
		For >3,600 To 4,800, Deduct	*-2.93*	
		For >4,800 To 6,000, Deduct	*-5.13*	
		For >6,000, Deduct	*-7.32*	
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	49.42	
		For >2,400 To 3,600, Deduct	*-1.60*	
		For >3,600 To 4,800, Deduct	*-3.21*	
		For >4,800 To 6,000, Deduct	*-5.68*	
		For >6,000, Deduct	*-8.15*	
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.70	
		For >2,400 To 3,600, Deduct	*-1.81*	
		For >3,600 To 4,800, Deduct	*-3.63*	
		For >4,800 To 6,000, Deduct	*-6.46*	
		For >6,000, Deduct	*-9.30*	
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	62.21	
		For >2,400 To 3,600, Deduct	*-1.95*	
		For >3,600 To 4,800, Deduct	*-3.91*	
		For >4,800 To 6,000, Deduct	*-7.02*	
		For >6,000, Deduct	*-10.13*	
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.55	
		For >2,400 To 3,600, Deduct	*-1.82*	
		For >3,600 To 4,800, Deduct	*-3.64*	
		For >4,800 To 6,000, Deduct	*-6.47*	
		For >6,000, Deduct	*-9.30*	
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	65.92	
		For >2,400 To 3,600, Deduct	*-2.06*	
		For >3,600 To 4,800, Deduct	*-4.11*	
		For >4,800 To 6,000, Deduct	*-7.41*	
		For >6,000, Deduct	*-10.70*	
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	73.90	
		For >2,400 To 3,600, Deduct	*-2.29*	
		For >3,600 To 4,800, Deduct	*-4.58*	
		For >4,800 To 6,000, Deduct	*-8.27*	
		For >6,000, Deduct	*-11.97*	
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	82.72	
		For >2,400 To 3,600, Deduct	*-2.51*	
		For >3,600 To 4,800, Deduct	*-5.02*	
		For >4,800 To 6,000, Deduct	*-9.15*	
		For >6,000, Deduct	*-13.29*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.18	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.65*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	15.71	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.76*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	17.18	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.87*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.73	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-2.85*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	18.04	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	19.66	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.14*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	17.64	
		For >50 To 150, Deduct	*-0.69*	
		For >150 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-3.06*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	21.41	
		For >50 To 150, Deduct	*-0.69*	
		For >150 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.34*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	23.25	
		For >50 To 150, Deduct	*-0.69*	
		For >150 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.48*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	47.04	
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	52.25	
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	57.48	
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.72	
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.93	
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	73.16	
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	85.94	

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	59.97	
		For >50' To 100' Deep, Add	*5.82*	
		For >100' To 150' Deep, Add	*14.99*	
		For >150' To 200' Deep, Add	*20.02*	
		For Right Angle Drilling, Add	*15.92*	
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	75.28	
		For >50' To 100' Deep, Add	*7.99*	
		For >100' To 150' Deep, Add	*18.82*	
		For >150' To 200' Deep, Add	*25.99*	
		For Right Angle Drilling, Add	*17.85*	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	106.35	
		For >50' To 100' Deep, Add	*11.78*	
		For >100' To 150' Deep, Add	*26.59*	
		For >150' To 200' Deep, Add	*37.32*	
		For Right Angle Drilling, Add	*23.68*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	140.57	
		For >50' To 100' Deep, Add	*16.07*	
		For >100' To 150' Deep, Add	*35.14*	
		For >150' To 200' Deep, Add	*49.96*	
		For Right Angle Drilling, Add	*29.73*	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	179.72	
		For >50' To 100' Deep, Add	*21.29*	
		For >100' To 150' Deep, Add	*44.93*	
		For >150' To 200' Deep, Add	*64.80*	
		For Right Angle Drilling, Add	*35.70*	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	216.34	
		For >50' To 100' Deep, Add	*26.10*	
		For >100' To 150' Deep, Add	*54.09*	
		For >150' To 200' Deep, Add	*78.59*	
		For Right Angle Drilling, Add	*41.49*	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	260.64	
		For >50' To 100' Deep, Add	*32.39*	
		For >100' To 150' Deep, Add	*65.16*	
		For >150' To 200' Deep, Add	*95.87*	
		For Right Angle Drilling, Add	*47.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	305.91	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*38.83*	
		For >100' To 150' Deep, Add	*76.48*	
		For >150' To 200' Deep, Add	*113.54*	
		For Right Angle Drilling, Add	*52.65*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	357.12	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*46.07*	
		For >100' To 150' Deep, Add	*89.28*	
		For >150' To 200' Deep, Add	*133.47*	
		For Right Angle Drilling, Add	*59.15*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	415.75	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*54.42*	
		For >100' To 150' Deep, Add	*103.94*	
		For >150' To 200' Deep, Add	*156.37*	
		For Right Angle Drilling, Add	*66.40*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	474.24	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*62.91*	
		For >100' To 150' Deep, Add	*118.56*	
		For >150' To 200' Deep, Add	*179.42*	
		For Right Angle Drilling, Add	*73.13*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	536.66	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*72.03*	
		For >100' To 150' Deep, Add	*134.17*	
		For >150' To 200' Deep, Add	*204.08*	
		For Right Angle Drilling, Add	*80.14*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	463.80	
		For >50' To 100' Deep, Add	*37.80*	
		For >100' To 150' Deep, Add	*115.95*	
		For >150' To 200' Deep, Add	*145.81*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,630.49	
		For >50' To 100' Deep, Add	*133.11*	
		For >100' To 150' Deep, Add	*407.62*	
		For >150' To 200' Deep, Add	*512.87*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	2,466.73	
		For >50' To 100' Deep, Add	*204.59*	
		For >100' To 150' Deep, Add	*616.68*	
		For >150' To 200' Deep, Add	*779.92*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	3,424.16	
		For >50' To 100' Deep, Add	*284.56*	
		For >100' To 150' Deep, Add	*856.04*	
		For >150' To 200' Deep, Add	*1,083.34*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	4,645.41	
		For >50' To 100' Deep, Add	*379.14*	
		For >100' To 150' Deep, Add	*1,161.35*	
		For >150' To 200' Deep, Add	*1,461.08*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	5,462.28	
		For >50' To 100' Deep, Add	*445.61*	
		For >100' To 150' Deep, Add	*1,365.57*	
		For >150' To 200' Deep, Add	*1,717.75*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	9,263.64	
		For >50' To 100' Deep, Add	*754.21*	
		For >100' To 150' Deep, Add	*2,315.91*	
		For >150' To 200' Deep, Add	*2,911.28*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	13,396.14	
		For >50' To 100' Deep, Add	*1,101.79*	
		For >100' To 150' Deep, Add	*3,349.04*	
		For >150' To 200' Deep, Add	*4,223.92*	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	66.37	
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*6.26*	
		For >100' To 150' Deep, Add	*16.59*	
		For >150' To 200' Deep, Add	*21.93*	
		For Right Angle Drilling, Add	*18.19*	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	111.05	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*10.49*	
		For >100' To 150' Deep, Add	*27.76*	
		For >150' To 200' Deep, Add	*36.72*	
		For Right Angle Drilling, Add	*30.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	146.60	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*14.59*	
		For >100' To 150' Deep, Add	*36.65*	
		For >150' To 200' Deep, Add	*49.40*	
		For Right Angle Drilling, Add	*37.77*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	201.15	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*20.31*	
		For >100' To 150' Deep, Add	*50.29*	
		For >150' To 200' Deep, Add	*68.13*	
		For Right Angle Drilling, Add	*50.93*	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	254.50	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*26.52*	
		For >100' To 150' Deep, Add	*63.63*	
		For >150' To 200' Deep, Add	*87.23*	
		For Right Angle Drilling, Add	*61.87*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	305.01	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*32.30*	
		For >100' To 150' Deep, Add	*76.25*	
		For >150' To 200' Deep, Add	*105.20*	
		For Right Angle Drilling, Add	*72.52*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	393.50	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*41.69*	
		For >100' To 150' Deep, Add	*98.38*	
		For >150' To 200' Deep, Add	*135.73*	
		For Right Angle Drilling, Add	*93.52*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	481.81	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*51.14*	
		For >100' To 150' Deep, Add	*120.45*	
		For >150' To 200' Deep, Add	*166.31*	
		For Right Angle Drilling, Add	*114.22*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	549.54	
		Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*59.54*	
		For >100' To 150' Deep, Add	*137.39*	
		For >150' To 200' Deep, Add	*191.20*	
		For Right Angle Drilling, Add	*126.49*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	624.64	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*69.04*	
		For >100' To 150' Deep, Add	*156.16*	
		For >150' To 200' Deep, Add	*219.04*	
		For Right Angle Drilling, Add	*139.51*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	710.42	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*79.44*	
		For >100' To 150' Deep, Add	*177.61*	
		For >150' To 200' Deep, Add	*250.27*	
		For Right Angle Drilling, Add	*155.79*	
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	800.57	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*90.50*	
		For >100' To 150' Deep, Add	*200.14*	
		For >150' To 200' Deep, Add	*283.25*	
		For Right Angle Drilling, Add	*172.51*	

31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	533.62	
		For >50' To 100' Deep, Add	*42.69*	
		For >100' To 150' Deep, Add	*133.41*	
		For >150' To 200' Deep, Add	*166.76*	
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,859.13	
		For >50' To 100' Deep, Add	*149.12*	
		For >100' To 150' Deep, Add	*464.78*	
		For >150' To 200' Deep, Add	*581.46*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	2,553.01	
		For >50' To 100' Deep, Add	*190.87*	
		For >100' To 150' Deep, Add	*638.25*	
		For >150' To 200' Deep, Add	*781.10*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	4,084.87	
		For >50' To 100' Deep, Add	*330.81*	
		For >100' To 150' Deep, Add	*1,021.22*	
		For >150' To 200' Deep, Add	*1,281.55*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	5,297.02	
		For >50' To 100' Deep, Add	*424.75*	
		For >100' To 150' Deep, Add	*1,324.26*	
		For >150' To 200' Deep, Add	*1,656.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	6,228.87	
		For >50' To 100' Deep, Add	*499.27*	
		For >100' To 150' Deep, Add	*1,557.22*	
		For >150' To 200' Deep, Add	*1,947.73*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	10,566.85	
		For >50' To 100' Deep, Add	*845.43*	
		For >100' To 150' Deep, Add	*2,641.71*	
		For >150' To 200' Deep, Add	*3,302.24*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	15,257.88	
		For >50' To 100' Deep, Add	*1,232.11*	
		For >100' To 150' Deep, Add	*3,814.47*	
		For >150' To 200' Deep, Add	*4,782.44*	

31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	257.27	
		For >50' To 100' Deep, Add	*19.62*	
		For >100' To 150' Deep, Add	*64.32*	
		For >150' To 200' Deep, Add	*79.20*	
		For Right Angle Drilling, Add	*85.01*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	429.25	
		For >50' To 100' Deep, Add	*32.77*	
		For >100' To 150' Deep, Add	*107.31*	
		For >150' To 200' Deep, Add	*132.18*	
		For Right Angle Drilling, Add	*141.74*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	646.95	
		For >50' To 100' Deep, Add	*49.62*	
		For >100' To 150' Deep, Add	*161.74*	
		For >150' To 200' Deep, Add	*199.50*	
		For Right Angle Drilling, Add	*212.89*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	826.67	
		For >50' To 100' Deep, Add	*64.10*	
		For >100' To 150' Deep, Add	*206.67*	
		For >150' To 200' Deep, Add	*255.79*	
		For Right Angle Drilling, Add	*269.86*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	1,062.20	
		For >50' To 100' Deep, Add	*83.06*	
		For >100' To 150' Deep, Add	*265.55*	
		For >150' To 200' Deep, Add	*329.54*	
		For Right Angle Drilling, Add	*344.57*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	1,280.98	
		For >50' To 100' Deep, Add	*100.62*	
		For >100' To 150' Deep, Add	*320.25*	
		For >150' To 200' Deep, Add	*397.99*	
		For Right Angle Drilling, Add	*414.11*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	1,566.45	
		For >50' To 100' Deep, Add	*123.80*	
		For >100' To 150' Deep, Add	*391.61*	
		For >150' To 200' Deep, Add	*487.62*	
		For Right Angle Drilling, Add	*504.05*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	1,852.00	
		For >50' To 100' Deep, Add	*147.05*	
		For >100' To 150' Deep, Add	*463.00*	
		For >150' To 200' Deep, Add	*577.37*	
		For Right Angle Drilling, Add	*593.78*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.	2,034.39	
		For >50' To 100' Deep, Add	*163.48*	
		For >100' To 150' Deep, Add	*508.60*	
		For >150' To 200' Deep, Add	*636.66*	
		For Right Angle Drilling, Add	*646.19*	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	2,223.25	
		For >50' To 100' Deep, Add	*180.95*	
		For >100' To 150' Deep, Add	*555.81*	
		For >150' To 200' Deep, Add	*698.62*	
		For Right Angle Drilling, Add	*699.02*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	2,278.21	
		For >50' To 100' Deep, Add	*189.19*	
		For >100' To 150' Deep, Add	*569.55*	
		For >150' To 200' Deep, Add	*720.61*	
		For Right Angle Drilling, Add	*704.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	2,720.34	
		For >50' To 100' Deep, Add	*224.89*	
		For >100' To 150' Deep, Add	*680.09*	
		For >150' To 200' Deep, Add	*859.18*	
		For Right Angle Drilling, Add	*844.43*	

31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	914.87	
		For >50' To 100' Deep, Add	*69.38*	
		For >100' To 150' Deep, Add	*228.72*	
		For >150' To 200' Deep, Add	*281.13*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,219.45	
		For >50' To 100' Deep, Add	*244.34*	
		For >100' To 150' Deep, Add	*804.86*	
		For >150' To 200' Deep, Add	*989.56*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,824.92	
		For >50' To 100' Deep, Add	*369.67*	
		For >100' To 150' Deep, Add	*1,206.23*	
		For >150' To 200' Deep, Add	*1,487.38*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,869.49	
		For >50' To 100' Deep, Add	*525.73*	
		For >100' To 150' Deep, Add	*1,717.37*	
		For >150' To 200' Deep, Add	*2,116.94*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	9,079.05	
		For >50' To 100' Deep, Add	*689.50*	
		For >100' To 150' Deep, Add	*2,269.76*	
		For >150' To 200' Deep, Add	*2,791.17*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	11,062.84	
		For >50' To 100' Deep, Add	*837.65*	
		For >100' To 150' Deep, Add	*2,765.71*	
		For >150' To 200' Deep, Add	*3,397.92*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,730.16	
		For >50' To 100' Deep, Add	*1,276.86*	
		For >100' To 150' Deep, Add	*4,182.54*	
		For >150' To 200' Deep, Add	*5,151.24*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	25,163.20	
		For >50' To 100' Deep, Add	*1,925.49*	
		For >100' To 150' Deep, Add	*6,290.80*	
		For >150' To 200' Deep, Add	*7,754.04*	

31 64 13 00-0070 Set-up And Removal Of Caisson *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set-up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,377.08
31 64 13 00-0072	EA	Erect, Set-up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	6,137.87
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	2,075.39
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,767.18
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	172.95

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001 Materials And Placement *(31 68 13)*

31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)*

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0003 3/4" Diameter *(31 68 13 00-0002)*

31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	273.42
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	395.10
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	488.24
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	638.49

31 68 13 00-0008 1" Diameter *(31 68 13 00-0002)*

31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	351.27
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	544.79
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	709.79
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	931.93

31 68 13 00-0013 1-3/8" Diameter *(31 68 13 00-0002)*

31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	591.32
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	922.49
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,225.18
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,584.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0018		**2" Diameter** *(31 68 13 00-0002)*		
31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	1,321.38	
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	1,966.96	
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	2,583.92	
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	3,258.07	
31 68 13 00-0023		**Super High-Tensile Anchors, ASTM A-108** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024		**3/4" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	194.64	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	259.68	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	296.05	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	386.91	
31 68 13 00-0029		**1" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	235.06	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	327.76	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	388.68	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	506.70	
31 68 13 00-0034		**1-1/4" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	353.73	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	497.87	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	612.73	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	779.91	
31 68 13 00-0039		**2" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	957.81	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	1,363.11	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	1,669.48	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	2,051.50	
31 68 13 00-0044		**Solid Rebar Anchors, ASTM A615** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		**3/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	181.67	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	232.24	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	254.24	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	333.38	
31 68 13 00-0050		**1" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	206.64	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	273.54	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	311.95	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	407.37	
31 68 13 00-0055		**1-1/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	306.53	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	395.00	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	455.09	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	572.22	
31 68 13 00-0060		**Resin Anchoring With Grade 60 Rebar** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		**Rebar #6** *(31 68 13 00-0060)*		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	94.01	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	130.91	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	139.28	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	188.01	
31 68 13 00-0066		**Rebar #8** *(31 68 13 00-0060)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	100.52	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	143.93	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	158.81	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	230.79	
31 68 13 00-0071		**Rebar #10** *(31 68 13 00-0060)*		
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	109.82	
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	162.53	
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	186.72	
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	268.00	
31 68 13 00-0076		**Rebar #14** *(31 68 13 00-0060)*		
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	132.14	
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	207.18	
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	253.68	
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	357.28	
31 68 13 00-0081		**Plastic Rebar Collars, Sizes #6-#14** *(31 68 13 00-0060)*		
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	2.56	
31 68 13 00-0083		**12" Long Resin Cartridges** *(31 68 13 00-0001)*		
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	2.80	
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	3.84	
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	4.11	
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	4.44	
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	5.10	
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	6.39	
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	8.77	
31 68 13 00-0091		**Head Assembly** *(31 68 13 00-0001)*		
31 68 13 00-0092		**3/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	40.69	
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	34.27	
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	35.95	
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	64.55	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	64.55	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	61.15	
31 68 13 00-0099		**1" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	43.85	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	37.53	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	39.20	
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	67.90	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	67.90	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	64.73	
31 68 13 00-0106		**1-1/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	97.84	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	114.31	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	115.93	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	102.82	
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	119.89	
31 68 13 00-0112		**1-7/8" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	385.10	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	265.49	
31 68 13 00-0115		**2" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	385.10	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	265.49	
31 68 13 00-0118		**Steel Plates With Standard Hole And Washers** *(31 68 13 00-0001)*		
31 68 13 00-0119		**Steel Plates** *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.31	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	6.11	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	8.50	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	14.91	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	5.79	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	15.21	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	25.24	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	35.76	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	21.46	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	60.72	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	89.47	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	39.28	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	106.23	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	53.12	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	127.77	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	58.64	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	141.71	
31 68 13 00-0137		**Hardened Washers** *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.35	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.86	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	5.21	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	12.97	
31 68 13 00-0142		**Beveled Washers** *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	3.39	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	3.35	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	5.07	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	21.67	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	14.97	
31 68 13 00-0148		**Hex Nuts** *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.65	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	4.32	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	17.72	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	11.16	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	71.20	
31 68 13 00-0154		**Drilling Operation For Rock Bolts** *(31 68 13)*		
31 68 13 00-0155		**Drill Holes For Rock Bolts** *(31 68 13 00-0154)*		
31 68 13 00-0156		**3/4" Diameter Bolt, 1-3/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	197.41	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	372.87	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	559.31	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	671.18	
31 68 13 00-0161		**1" Diameter Bolt, 2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	258.15	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	479.42	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	671.18	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	838.98	
31 68 13 00-0166		**1-1/4" Diameter Bolt, 2-1/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	279.66	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	559.31	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	838.98	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,118.63	
31 68 13 00-0171		**2" Diameter Bolt, 3-1/2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	335.58	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	671.18	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	1,118.63	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,677.94	
31 68 13 00-0176		**Tools** *(31 68 13)*		
31 68 13 00-0177		**Hydraulic Jacks, Monthly Rental** *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	753.95	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,111.10	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,863.99	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,790.62	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,171.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	263.83	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	165.38	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	429.53	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	299.55	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) *(31 68 13 00-0183)*		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	575.29	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	141.89	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	717.18	
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	736.80	
31 68 13 00-0196		Pneumatic Drive Torque Wrench *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,576.57	
31 68 13 00-0198		Grouting *(31 68 13)*		
31 68 13 00-0199		Grouting With Pumps *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	24.15	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	38.10	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	35.11	
31 68 13 00-0203		Grout Pumps, Monthly Rental *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	179.10	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,506.62	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	2,630.43	
31 68 13 00-0207		Rock Bolt Testing *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	622.43	

END OF SECTION 31

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Set-up And Removal Of Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method		1,077.96	
33 01 10 58-0003	EA	Move And Set-up At Different Access/Location For Water Main Disinfection/Sterilization, Gas Chlorination Method		538.98	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization		0.41	
		For >250 To 500, Deduct		*-0.02*	
		For >500 To 1,000, Deduct		*-0.04*	
		For >1,000 To 2,000, Deduct		*-0.06*	
		For >2,000 To 5,000, Deduct		*-0.08*	
		For >5,000, Deduct		*-0.10*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization		0.62	
		For >250 To 500, Deduct		*-0.03*	
		For >500 To 1,000, Deduct		*-0.06*	
		For >1,000 To 2,000, Deduct		*-0.09*	
		For >2,000 To 5,000, Deduct		*-0.12*	
		For >5,000, Deduct		*-0.16*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization		0.81	
		For >250 To 500, Deduct		*-0.04*	
		For >500 To 1,000, Deduct		*-0.08*	
		For >1,000 To 2,000, Deduct		*-0.12*	
		For >2,000 To 5,000, Deduct		*-0.16*	
		For >5,000, Deduct		*-0.20*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization		0.95	
		For >250 To 500, Deduct		*-0.05*	
		For >500 To 1,000, Deduct		*-0.10*	
		For >1,000 To 2,000, Deduct		*-0.14*	
		For >2,000 To 5,000, Deduct		*-0.19*	
		For >5,000, Deduct		*-0.24*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization		1.25	
		For >250 To 500, Deduct		*-0.06*	
		For >500 To 1,000, Deduct		*-0.13*	
		For >1,000 To 2,000, Deduct		*-0.19*	
		For >2,000 To 5,000, Deduct		*-0.25*	
		For >5,000, Deduct		*-0.31*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization		1.40	
		For >250 To 500, Deduct		*-0.07*	
		For >500 To 1,000, Deduct		*-0.14*	
		For >1,000 To 2,000, Deduct		*-0.21*	
		For >2,000 To 5,000, Deduct		*-0.28*	
		For >5,000, Deduct		*-0.35*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization		1.62	
		For >250 To 500, Deduct		*-0.08*	
		For >500 To 1,000, Deduct		*-0.16*	
		For >1,000 To 2,000, Deduct		*-0.24*	
		For >2,000 To 5,000, Deduct		*-0.32*	
		For >5,000, Deduct		*-0.41*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization		1.90	
		For >250 To 500, Deduct		*-0.10*	
		For >500 To 1,000, Deduct		*-0.19*	
		For >1,000 To 2,000, Deduct		*-0.29*	
		For >2,000 To 5,000, Deduct		*-0.38*	
		For >5,000, Deduct		*-0.48*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization		2.45	
		For >250 To 500, Deduct		*-0.12*	
		For >500 To 1,000, Deduct		*-0.25*	
		For >1,000 To 2,000, Deduct		*-0.37*	
		For >2,000 To 5,000, Deduct		*-0.49*	
		For >5,000, Deduct		*-0.61*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization		3.59	
		For >250 To 500, Deduct		*-0.18*	
		For >500 To 1,000, Deduct		*-0.36*	
		For >1,000 To 2,000, Deduct		*-0.54*	
		For >2,000 To 5,000, Deduct		*-0.72*	
		For >5,000, Deduct		*-0.90*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization		4.97	
		For >250 To 500, Deduct		*-0.25*	
		For >500 To 1,000, Deduct		*-0.50*	
		For >1,000 To 2,000, Deduct		*-0.75*	
		For >2,000 To 5,000, Deduct		*-0.99*	
		For >5,000, Deduct		*-1.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71		**Relining Water Utilities Pipelines** *(33 01 10)*		
		See CSI section 33 01 30 71-0000 for relining water pipelines.		
33 01 10 71-0001		Relining Underground Water Pipelines *(33 01 10 71)*		
		Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.		
33 01 10 71-0002		Set-Up And Reinsertion For Relining Underground Water Pipelines *(33 01 10 71-0001)*		
33 01 10 71-0003	EA	Initial Set-up And Final Equipment Removal For Relining Underground Water Pipelines	5,620.77	
33 01 10 71-0004	EA	Move And Set-up At Different Access/Location	2,248.31	
33 01 10 71-0005		Lining Pipe With Cement *(33 01 10 71-0001)*		
33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	69.78	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.65*	
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	62.20	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.65*	
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	52.04	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.65*	
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	39.29	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.65*	
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	72.82	
		For 3/16" Thickness, Add	*1.98*	
		For 1/4" Thickness, Add	*3.96*	
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	64.95	
		For 3/16" Thickness, Add	*1.98*	
		For 1/4" Thickness, Add	*3.96*	
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	54.45	
		For 3/16" Thickness, Add	*1.98*	
		For 1/4" Thickness, Add	*3.96*	
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	41.52	
		For 3/16" Thickness, Add	*1.98*	
		For 1/4" Thickness, Add	*3.96*	
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	75.77	
		For 3/16" Thickness, Add	*2.64*	
		For 1/4" Thickness, Add	*5.28*	
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	67.72	
		For 3/16" Thickness, Add	*2.64*	
		For 1/4" Thickness, Add	*5.28*	
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	56.87	
		For 3/16" Thickness, Add	*2.64*	
		For 1/4" Thickness, Add	*5.28*	
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	43.77	
		For 3/16" Thickness, Add	*2.64*	
		For 1/4" Thickness, Add	*5.28*	
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	78.08	
		For 3/16" Thickness, Add	*3.31*	
		For 1/4" Thickness, Add	*6.61*	
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	69.91	
		For 3/16" Thickness, Add	*3.31*	
		For 1/4" Thickness, Add	*6.61*	
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	58.89	
		For 3/16" Thickness, Add	*3.31*	
		For 1/4" Thickness, Add	*6.61*	
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	46.03	
		For 3/16" Thickness, Add	*3.31*	
		For 1/4" Thickness, Add	*6.61*	
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	84.56	
		For 3/16" Thickness, Add	*3.97*	
		For 1/4" Thickness, Add	*7.93*	
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	75.87	
		For 3/16" Thickness, Add	*3.97*	
		For 1/4" Thickness, Add	*7.93*	
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	64.16	
		For 3/16" Thickness, Add	*3.97*	
		For 1/4" Thickness, Add	*7.93*	
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	50.25	
		For 3/16" Thickness, Add	*3.97*	
		For 1/4" Thickness, Add	*7.93*	
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	92.18	
		For 1/4" Thickness, Add	*4.41*	
		For 5/16" Thickness, Add	*8.82*	
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	83.18	
		For 1/4" Thickness, Add	*4.41*	
		For 5/16" Thickness, Add	*8.82*	
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	70.96	
		For 1/4" Thickness, Add	*4.41*	
		For 5/16" Thickness, Add	*8.82*	
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	57.63	
		For 1/4" Thickness, Add	*4.41*	
		For 5/16" Thickness, Add	*8.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	97.12	
		For 1/4" Thickness, Add	*5.28*	
		For 5/16" Thickness, Add	*10.57*	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	87.84	
		For 1/4" Thickness, Add	*5.28*	
		For 5/16" Thickness, Add	*10.57*	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	75.21	
		For 1/4" Thickness, Add	*5.28*	
		For 5/16" Thickness, Add	*10.57*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	62.57	
		For 1/4" Thickness, Add	*5.28*	
		For 5/16" Thickness, Add	*10.57*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	103.13	
		For 1/4" Thickness, Add	*6.17*	
		For 5/16" Thickness, Add	*12.33*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	93.52	
		For 1/4" Thickness, Add	*6.17*	
		For 5/16" Thickness, Add	*12.33*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	80.29	
		For 1/4" Thickness, Add	*6.17*	
		For 5/16" Thickness, Add	*12.33*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	68.46	
		For 1/4" Thickness, Add	*6.17*	
		For 5/16" Thickness, Add	*12.33*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	109.26	
		For 1/4" Thickness, Add	*7.05*	
		For 5/16" Thickness, Add	*14.10*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	99.25	
		For 1/4" Thickness, Add	*7.05*	
		For 5/16" Thickness, Add	*14.10*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	85.61	
		For 1/4" Thickness, Add	*7.05*	
		For 5/16" Thickness, Add	*14.10*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	74.59	
		For 1/4" Thickness, Add	*7.05*	
		For 5/16" Thickness, Add	*14.10*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	117.90	
		For 1/4" Thickness, Add	*8.81*	
		For 5/16" Thickness, Add	*17.62*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	107.31	
		For 1/4" Thickness, Add	*8.81*	
		For 5/16" Thickness, Add	*17.62*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	92.86	
		For 1/4" Thickness, Add	*8.81*	
		For 5/16" Thickness, Add	*17.62*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	81.73	
		For 1/4" Thickness, Add	*8.81*	
		For 5/16" Thickness, Add	*17.62*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	126.45	
		For 1/4" Thickness, Add	*10.58*	
		For 5/16" Thickness, Add	*21.15*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	115.40	
		For 1/4" Thickness, Add	*10.58*	
		For 5/16" Thickness, Add	*21.15*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	100.13	
		For 1/4" Thickness, Add	*10.58*	
		For 5/16" Thickness, Add	*21.15*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	88.89	
		For 1/4" Thickness, Add	*10.58*	
		For 5/16" Thickness, Add	*21.15*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	159.03	
		For 3/8" Thickness, Add	*27.75*	
		For 7/16" Thickness, Add	*41.63*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	146.98	
		For 3/8" Thickness, Add	*27.75*	
		For 7/16" Thickness, Add	*41.63*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	130.39	
		For 3/8" Thickness, Add	*27.75*	
		For 7/16" Thickness, Add	*41.63*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	118.80	
		For 3/8" Thickness, Add	*27.75*	
		For 7/16" Thickness, Add	*41.63*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	175.66	
		For 3/8" Thickness, Add	*31.72*	
		For 7/16" Thickness, Add	*47.57*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	162.77	
		For 3/8" Thickness, Add	*31.72*	
		For 7/16" Thickness, Add	*47.57*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	144.93	
		For 3/8" Thickness, Add	*31.72*	
		For 7/16" Thickness, Add	*47.57*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	133.11	
		For 3/8" Thickness, Add	*31.72*	
		For 7/16" Thickness, Add	*47.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	185.66	
		For 3/8" Thickness, Add	*35.68*	
		For 7/16" Thickness, Add	*53.51*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	172.50	
		For 3/8" Thickness, Add	*35.68*	
		For 7/16" Thickness, Add	*53.51*	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	154.25	
		For 3/8" Thickness, Add	*35.68*	
		For 7/16" Thickness, Add	*53.51*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	142.88	
		For 3/8" Thickness, Add	*35.68*	
		For 7/16" Thickness, Add	*53.51*	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	195.69	
		For 3/8" Thickness, Add	*39.65*	
		For 7/16" Thickness, Add	*59.48*	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	182.30	
		For 3/8" Thickness, Add	*39.65*	
		For 7/16" Thickness, Add	*59.48*	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	163.70	
		For 3/8" Thickness, Add	*39.65*	
		For 7/16" Thickness, Add	*59.48*	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	152.68	
		For 3/8" Thickness, Add	*39.65*	
		For 7/16" Thickness, Add	*59.48*	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	206.06	
		For 3/8" Thickness, Add	*43.62*	
		For 7/16" Thickness, Add	*65.42*	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	192.38	
		For 3/8" Thickness, Add	*43.62*	
		For 7/16" Thickness, Add	*65.42*	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	173.49	
		For 3/8" Thickness, Add	*43.62*	
		For 7/16" Thickness, Add	*65.42*	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	163.29	
		For 3/8" Thickness, Add	*43.62*	
		For 7/16" Thickness, Add	*65.42*	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	216.88	
		For 3/8" Thickness, Add	*47.58*	
		For 7/16" Thickness, Add	*71.36*	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	202.97	
		For 3/8" Thickness, Add	*47.58*	
		For 7/16" Thickness, Add	*71.36*	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	183.61	
		For 3/8" Thickness, Add	*47.58*	
		For 7/16" Thickness, Add	*71.36*	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	173.99	
		For 3/8" Thickness, Add	*47.58*	
		For 7/16" Thickness, Add	*71.36*	

33 01 20 Operation and Maintenance of Wells *(33 01)*

33 01 20 00-0001 Pull Submersible Well Pumps For Repair *(33 01 20)*

Note: Includes cleaning.

33 01 20 00-0002	EA	Up To 100' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	92.28
33 01 20 00-0003	EA	>100 To 200' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	123.03
33 01 20 00-0004	EA	>200 To 300' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	159.95
33 01 20 00-0005	EA	>300 To 400' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	209.16
33 01 20 00-0006	EA	>400 To 500' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	258.38
33 01 20 00-0007	EA	>500 To 600' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	295.29

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Set-up For Video Camera *(33 01 30 11-0001)*

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set-up And Final Equipment Removal For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	957.72
33 01 30 11-0004	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,915.45
33 01 30 11-0005	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,873.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0006	EA	Move And Set-up At Different Access/Location For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	478.87	
33 01 30 11-0007	EA	Move And Set-up At Different Access/Location For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	957.72	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.43	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.85*	
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	3.24	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.13*	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	4.05	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-1.42*	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase	5.39	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-1.89*	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase	7.58	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 5,000, Deduct	*-1.90*	
		For >5,000, Deduct	*-2.65*	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase	10.12	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000 To 5,000, Deduct	*-2.53*	
		For >5,000, Deduct	*-3.54*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase	14.28	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 5,000, Deduct	*-3.57*	
		For >5,000, Deduct	*-5.00*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase	20.24	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000 To 5,000, Deduct	*-5.06*	
		For >5,000, Deduct	*-7.08*	

33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase	3.59	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.26*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase	4.79	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.68*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase	5.98	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-2.09*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase	7.98	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000 To 5,000, Deduct	*-2.00*	
		For >5,000, Deduct	*-2.79*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase	11.22	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000 To 5,000, Deduct	*-2.81*	
		For >5,000, Deduct	*-3.93*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	14.96	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000 To 5,000, Deduct	*-3.74*	
		For >5,000, Deduct	*-5.24*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	21.12	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000 To 5,000, Deduct	*-5.28*	
		For >5,000, Deduct	*-7.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase	29.93	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000 To 5,000, Deduct	*-7.48*	
		For >5,000, Deduct	*-10.48*	

33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase	2.56	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-0.90*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase	3.42	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.20*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase	4.28	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.50*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase	5.70	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.00*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase	8.02	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000 To 5,000, Deduct	*-2.01*	
		For >5,000, Deduct	*-2.81*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase	10.68	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 5,000, Deduct	*-2.67*	
		For >5,000, Deduct	*-3.74*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase	15.09	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000 To 5,000, Deduct	*-3.77*	
		For >5,000, Deduct	*-5.28*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase	21.38	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000 To 5,000, Deduct	*-5.35*	
		For >5,000, Deduct	*-7.48*	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 23-0002 Manhole Chipping *(33 01 30 23-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 23-0003	EA	6" To 15" Diameter, Manhole Chipping	445.05
33 01 30 23-0004	EA	>15" To 24" Diameter, Manhole Chipping	522.49
33 01 30 23-0005	EA	>24" To 36" Diameter, Manhole Chipping	653.07

33 01 30 23-0006 Pipe Bursting *(33 01 30 23-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.

33 01 30 23-0007 Set-up For Pipe Bursting Equipment *(33 01 30 23-0006)*

33 01 30 23-0008	EA	Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	7,683.44
33 01 30 23-0009	EA	Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	11,525.16
33 01 30 23-0010	EA	Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	19,208.60
33 01 30 23-0011	EA	Move And Set-up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	2,881.29
33 01 30 23-0012	EA	Move And Set-up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	4,321.94
33 01 30 23-0013	EA	Move And Set-up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	7,203.23
33 01 30 23-0014	EA	Move And Set-up Pipe Bursting Equipment For Laterals	1,920.86

33 01 30 23-0015 Pneumatic Head Pipe Bursting *(33 01 30 23-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0016	LF	4" Diameter, Pneumatic Head Pipe Bursting	27.45	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.18*	
		For >150 To 200, Add	*1.31*	
		For >100 To 150, Add	*2.62*	
		For >75 To 100, Add	*3.93*	
		For >50 To 75, Add	*5.24*	
		For >25 To 50, Add	*6.99*	
		For Up To 25, Add	*9.61*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.18*	
		For Bursting Ductile Iron Pipe, Add	*7.26*	
33 01 30 23-0017	LF	6" Diameter, Pneumatic Head Pipe Bursting	31.64	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.71*	
		For >150 To 200, Add	*1.62*	
		For >100 To 150, Add	*3.25*	
		For >75 To 100, Add	*4.87*	
		For >50 To 75, Add	*6.50*	
		For >25 To 50, Add	*8.66*	
		For Up To 25, Add	*11.91*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.71*	
		For Bursting Ductile Iron Pipe, Add	*8.64*	
33 01 30 23-0018	LF	8" Diameter, Pneumatic Head Pipe Bursting	35.57	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.20*	
		For >150 To 200, Add	*1.92*	
		For >100 To 150, Add	*3.84*	
		For >75 To 100, Add	*5.76*	
		For >50 To 75, Add	*7.68*	
		For >25 To 50, Add	*10.24*	
		For Up To 25, Add	*14.07*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.20*	
		For Bursting Ductile Iron Pipe, Add	*9.94*	
33 01 30 23-0019	LF	10" Diameter, Pneumatic Head Pipe Bursting	40.65	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.83*	
		For >150 To 200, Add	*2.30*	
		For >100 To 150, Add	*4.60*	
		For >75 To 100, Add	*6.90*	
		For >50 To 75, Add	*9.20*	
		For >25 To 50, Add	*12.27*	
		For Up To 25, Add	*16.87*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.83*	
		For Bursting Ductile Iron Pipe, Add	*11.62*	
33 01 30 23-0020	LF	12" Diameter, Pneumatic Head Pipe Bursting	46.50	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.57*	
		For >150 To 200, Add	*2.74*	
		For >100 To 150, Add	*5.48*	
		For >75 To 100, Add	*8.22*	
		For >50 To 75, Add	*10.96*	
		For >25 To 50, Add	*14.61*	
		For Up To 25, Add	*20.09*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.57*	
		For Bursting Ductile Iron Pipe, Add	*13.55*	
33 01 30 23-0021	LF	15" Diameter, Pneumatic Head Pipe Bursting	51.49	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.71*	
		For >150 To 200, Add	*2.83*	
		For >100 To 150, Add	*5.66*	
		For >75 To 100, Add	*8.48*	
		For >50 To 75, Add	*11.31*	
		For >25 To 50, Add	*15.08*	
		For Up To 25, Add	*20.74*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.71*	
		For Bursting Ductile Iron Pipe, Add	*14.51*	
33 01 30 23-0022	LF	18" Diameter, Pneumatic Head Pipe Bursting	57.36	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.45*	
		For >150 To 200, Add	*3.27*	
		For >100 To 150, Add	*6.54*	
		For >75 To 100, Add	*9.80*	
		For >50 To 75, Add	*13.07*	
		For >25 To 50, Add	*17.43*	
		For Up To 25, Add	*23.96*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.45*	
		For Bursting Ductile Iron Pipe, Add	*16.45*	
33 01 30 23-0023	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	72.54	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.48*	
		For >150 To 200, Add	*3.89*	
		For >100 To 150, Add	*7.77*	
		For >75 To 100, Add	*11.66*	
		For >50 To 75, Add	*15.55*	
		For >25 To 50, Add	*20.73*	
		For Up To 25, Add	*28.51*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.48*	
		For Bursting Ductile Iron Pipe, Add	*20.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0024	LF	24" Diameter, Pneumatic Head Pipe Bursting	89.21	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.56*	
		For >150 To 200, Add	*5.14*	
		For >100 To 150, Add	*10.28*	
		For >75 To 100, Add	*15.41*	
		For >50 To 75, Add	*20.55*	
		For >25 To 50, Add	*27.40*	
		For Up To 25, Add	*37.68*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.56*	
		For Bursting Ductile Iron Pipe, Add	*25.71*	
33 01 30 23-0025	LF	30" Diameter, Pneumatic Head Pipe Bursting	98.65	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.88*	
		For >150 To 200, Add	*5.33*	
		For >100 To 150, Add	*10.66*	
		For >75 To 100, Add	*15.99*	
		For >50 To 75, Add	*21.32*	
		For >25 To 50, Add	*28.42*	
		For Up To 25, Add	*39.08*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.88*	
		For Bursting Ductile Iron Pipe, Add	*27.59*	
33 01 30 23-0026	LF	36" Diameter, Pneumatic Head Pipe Bursting	126.22	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.33*	
		For >150 To 200, Add	*7.40*	
		For >100 To 150, Add	*14.79*	
		For >75 To 100, Add	*22.19*	
		For >50 To 75, Add	*29.59*	
		For >25 To 50, Add	*39.45*	
		For Up To 25, Add	*54.25*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.33*	
		For Bursting Ductile Iron Pipe, Add	*36.69*	

33 01 30 23-0027 Static Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0028	LF	4" Diameter, Static Head Pipe Bursting	35.94	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.25*	
		For >150 To 200, Add	*1.95*	
		For >100 To 150, Add	*3.89*	
		For >75 To 100, Add	*5.84*	
		For >50 To 75, Add	*7.79*	
		For >25 To 50, Add	*10.38*	
		For Up To 25, Add	*14.28*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.25*	
		For Bursting Ductile Iron Pipe, Add	*10.06*	
33 01 30 23-0029	LF	6" Diameter, Static Head Pipe Bursting	40.16	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.77*	
		For >150 To 200, Add	*2.26*	
		For >100 To 150, Add	*4.53*	
		For >75 To 100, Add	*6.79*	
		For >50 To 75, Add	*9.05*	
		For >25 To 50, Add	*12.07*	
		For Up To 25, Add	*16.60*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.77*	
		For Bursting Ductile Iron Pipe, Add	*11.46*	
33 01 30 23-0030	LF	8" Diameter, Static Head Pipe Bursting	45.04	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.38*	
		For >150 To 200, Add	*2.63*	
		For >100 To 150, Add	*5.26*	
		For >75 To 100, Add	*7.89*	
		For >50 To 75, Add	*10.52*	
		For >25 To 50, Add	*14.02*	
		For Up To 25, Add	*19.28*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.38*	
		For Bursting Ductile Iron Pipe, Add	*13.07*	
33 01 30 23-0031	LF	10" Diameter, Static Head Pipe Bursting	51.38	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.18*	
		For >150 To 200, Add	*3.11*	
		For >100 To 150, Add	*6.21*	
		For >75 To 100, Add	*9.32*	
		For >50 To 75, Add	*12.42*	
		For >25 To 50, Add	*16.56*	
		For Up To 25, Add	*22.77*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.18*	
		For Bursting Ductile Iron Pipe, Add	*15.16*	
33 01 30 23-0032	LF	12" Diameter, Static Head Pipe Bursting	58.71	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.09*	
		For >150 To 200, Add	*3.65*	
		For >100 To 150, Add	*7.31*	
		For >75 To 100, Add	*10.96*	
		For >50 To 75, Add	*14.62*	
		For >25 To 50, Add	*19.49*	
		For Up To 25, Add	*26.80*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.09*	
		For Bursting Ductile Iron Pipe, Add	*17.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0033	LF	15" Diameter, Static Head Pipe Bursting	67.07	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.66*	
		For >150 To 200, Add	*4.00*	
		For >100 To 150, Add	*7.99*	
		For >75 To 100, Add	*11.99*	
		For >50 To 75, Add	*15.98*	
		For >25 To 50, Add	*21.31*	
		For Up To 25, Add	*29.30*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.66*	
		For Bursting Ductile Iron Pipe, Add	*19.65*	
33 01 30 23-0034	LF	18" Diameter, Static Head Pipe Bursting	74.09	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.54*	
		For >150 To 200, Add	*4.52*	
		For >100 To 150, Add	*9.05*	
		For >75 To 100, Add	*13.57*	
		For >50 To 75, Add	*18.09*	
		For >25 To 50, Add	*24.12*	
		For Up To 25, Add	*33.17*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.54*	
		For Bursting Ductile Iron Pipe, Add	*21.97*	
33 01 30 23-0035	LF	21"/22" Diameter, Static Head Pipe Bursting	92.91	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.03*	
		For >150 To 200, Add	*5.42*	
		For >100 To 150, Add	*10.83*	
		For >75 To 100, Add	*16.25*	
		For >50 To 75, Add	*21.66*	
		For >25 To 50, Add	*28.88*	
		For Up To 25, Add	*39.71*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.03*	
		For Bursting Ductile Iron Pipe, Add	*26.93*	
33 01 30 23-0036	LF	24" Diameter, Static Head Pipe Bursting	119.44	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.34*	
		For >150 To 200, Add	*7.40*	
		For >100 To 150, Add	*14.81*	
		For >75 To 100, Add	*22.21*	
		For >50 To 75, Add	*29.62*	
		For >25 To 50, Add	*39.49*	
		For Up To 25, Add	*54.30*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.34*	
		For Bursting Ductile Iron Pipe, Add	*35.69*	
33 01 30 23-0037	LF	30" Diameter, Static Head Pipe Bursting	145.56	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*14.75*	
		For >150 To 200, Add	*8.85*	
		For >100 To 150, Add	*17.70*	
		For >75 To 100, Add	*26.54*	
		For >50 To 75, Add	*35.39*	
		For >25 To 50, Add	*47.19*	
		For Up To 25, Add	*64.88*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*14.75*	
		For Bursting Ductile Iron Pipe, Add	*43.07*	
33 01 30 23-0038	LF	36" Diameter, Static Head Pipe Bursting	175.49	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*18.49*	
		For >150 To 200, Add	*11.09*	
		For >100 To 150, Add	*22.19*	
		For >75 To 100, Add	*33.28*	
		For >50 To 75, Add	*44.37*	
		For >25 To 50, Add	*59.16*	
		For Up To 25, Add	*81.35*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*18.49*	
		For Bursting Ductile Iron Pipe, Add	*52.95*	

33 01 30 23-0039 Hydraulic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0040	LF	4" Diameter, Hydraulic Head Pipe Bursting	31.32	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.67*	
		For >150 To 200, Add	*1.60*	
		For >100 To 150, Add	*3.20*	
		For >75 To 100, Add	*4.80*	
		For >50 To 75, Add	*6.40*	
		For >25 To 50, Add	*8.54*	
		For Up To 25, Add	*11.74*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.67*	
		For Bursting Ductile Iron Pipe, Add	*8.54*	
33 01 30 23-0041	LF	6" Diameter, Hydraulic Head Pipe Bursting	35.06	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.14*	
		For >150 To 200, Add	*1.88*	
		For >100 To 150, Add	*3.76*	
		For >75 To 100, Add	*5.64*	
		For >50 To 75, Add	*7.52*	
		For >25 To 50, Add	*10.03*	
		For Up To 25, Add	*13.79*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.14*	
		For Bursting Ductile Iron Pipe, Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0042	LF	8" Diameter, Hydraulic Head Pipe Bursting	39.36	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.67*	
		For >150 To 200, Add	*2.20*	
		For >100 To 150, Add	*4.41*	
		For >75 To 100, Add	*6.61*	
		For >50 To 75, Add	*8.81*	
		For >25 To 50, Add	*11.75*	
		For Up To 25, Add	*16.16*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.67*	
		For Bursting Ductile Iron Pipe, Add	*11.19*	
33 01 30 23-0043	LF	10" Diameter, Hydraulic Head Pipe Bursting	44.94	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.37*	
		For >150 To 200, Add	*2.62*	
		For >100 To 150, Add	*5.24*	
		For >75 To 100, Add	*7.87*	
		For >50 To 75, Add	*10.49*	
		For >25 To 50, Add	*13.98*	
		For Up To 25, Add	*19.23*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.37*	
		For Bursting Ductile Iron Pipe, Add	*13.03*	
33 01 30 23-0044	LF	12" Diameter, Hydraulic Head Pipe Bursting	51.38	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.18*	
		For >150 To 200, Add	*3.11*	
		For >100 To 150, Add	*6.21*	
		For >75 To 100, Add	*9.32*	
		For >50 To 75, Add	*12.42*	
		For >25 To 50, Add	*16.56*	
		For Up To 25, Add	*22.77*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.18*	
		For Bursting Ductile Iron Pipe, Add	*15.16*	
33 01 30 23-0045	LF	15" Diameter, Hydraulic Head Pipe Bursting	58.56	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.60*	
		For >150 To 200, Add	*3.36*	
		For >100 To 150, Add	*6.72*	
		For >75 To 100, Add	*10.07*	
		For >50 To 75, Add	*13.43*	
		For >25 To 50, Add	*17.91*	
		For Up To 25, Add	*24.62*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.60*	
		For Bursting Ductile Iron Pipe, Add	*16.84*	
33 01 30 23-0046	LF	18" Diameter, Hydraulic Head Pipe Bursting	65.45	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.46*	
		For >150 To 200, Add	*3.87*	
		For >100 To 150, Add	*7.75*	
		For >75 To 100, Add	*11.62*	
		For >50 To 75, Add	*15.50*	
		For >25 To 50, Add	*20.66*	
		For Up To 25, Add	*28.41*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.46*	
		For Bursting Ductile Iron Pipe, Add	*19.12*	
33 01 30 23-0047	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	82.58	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.73*	
		For >150 To 200, Add	*4.64*	
		For >100 To 150, Add	*9.28*	
		For >75 To 100, Add	*13.92*	
		For >50 To 75, Add	*18.56*	
		For >25 To 50, Add	*24.75*	
		For Up To 25, Add	*34.03*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.73*	
		For Bursting Ductile Iron Pipe, Add	*23.52*	
33 01 30 23-0048	LF	24" Diameter, Hydraulic Head Pipe Bursting	106.98	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*10.78*	
		For >150 To 200, Add	*6.47*	
		For >100 To 150, Add	*12.94*	
		For >75 To 100, Add	*19.41*	
		For >50 To 75, Add	*25.88*	
		For >25 To 50, Add	*34.51*	
		For Up To 25, Add	*47.45*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*10.78*	
		For Bursting Ductile Iron Pipe, Add	*31.58*	
33 01 30 23-0049	LF	30" Diameter, Hydraulic Head Pipe Bursting	131.59	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*13.00*	
		For >150 To 200, Add	*7.80*	
		For >100 To 150, Add	*15.60*	
		For >75 To 100, Add	*23.40*	
		For >50 To 75, Add	*31.20*	
		For >25 To 50, Add	*41.60*	
		For Up To 25, Add	*57.20*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*13.00*	
		For Bursting Ductile Iron Pipe, Add	*38.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0050	LF	36" Diameter, Hydraulic Head Pipe Bursting	160.04	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*16.56*	
		For >150 To 200, Add	*9.93*	
		For >100 To 150, Add	*19.87*	
		For >75 To 100, Add	*29.80*	
		For >50 To 75, Add	*39.74*	
		For >25 To 50, Add	*52.98*	
		For Up To 25, Add	*72.85*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*16.56*	
		For Bursting Ductile Iron Pipe, Add	*47.85*	

33 01 30 23-0051 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0052 Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0051)*

Note: Per each joint.

33 01 30 23-0053	EA	4" To 15", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	137.77	
33 01 30 23-0054	EA	>15" To 24", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	158.09	
33 01 30 23-0055	EA	>24" To 36", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	188.54	

33 01 30 23-0056 High-Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 23-0051)*

Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.

33 01 30 23-0057	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.32	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.47*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.27*	
		For White Interior Pipe, Add	*0.85*	
		For Gray Interior Pipe, Add	*0.65*	
33 01 30 23-0058	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.70	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.71*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.92*	
		For White Interior Pipe, Add	*1.30*	
		For Gray Interior Pipe, Add	*0.98*	
33 01 30 23-0059	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.43	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.01*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.74*	
		For White Interior Pipe, Add	*1.85*	
		For Gray Interior Pipe, Add	*1.40*	
33 01 30 23-0060	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.34	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.17*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.17*	
		For White Interior Pipe, Add	*2.14*	
		For Gray Interior Pipe, Add	*1.62*	
33 01 30 23-0061	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	11.39	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.71*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*4.64*	
		For White Interior Pipe, Add	*3.13*	
		For Gray Interior Pipe, Add	*2.37*	
33 01 30 23-0062	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	16.69	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.65*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*7.20*	
		For White Interior Pipe, Add	*4.86*	
		For Gray Interior Pipe, Add	*3.68*	
33 01 30 23-0063	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	22.74	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.73*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*10.13*	
		For White Interior Pipe, Add	*6.84*	
		For Gray Interior Pipe, Add	*5.18*	
33 01 30 23-0064	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	24.87	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.10*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*11.15*	
		For White Interior Pipe, Add	*7.52*	
		For Gray Interior Pipe, Add	*5.70*	
33 01 30 23-0065	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	27.12	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.50*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*12.22*	
		For White Interior Pipe, Add	*8.25*	
		For Gray Interior Pipe, Add	*6.25*	
33 01 30 23-0066	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	34.90	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.87*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*15.96*	
		For White Interior Pipe, Add	*10.77*	
		For Gray Interior Pipe, Add	*8.16*	
33 01 30 23-0067	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	43.75	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-7.44*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*20.21*	
		For White Interior Pipe, Add	*13.64*	
		For Gray Interior Pipe, Add	*10.33*	
33 01 30 23-0068	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	53.59	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-9.18*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*24.94*	
		For White Interior Pipe, Add	*16.83*	
		For Gray Interior Pipe, Add	*12.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0069	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	64.49	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-11.11*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*30.18*	
		For White Interior Pipe, Add	*20.36*	
		For Gray Interior Pipe, Add	*15.43*	
33 01 30 23-0070	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	76.48	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-13.22*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*35.92*	
		For White Interior Pipe, Add	*24.24*	
		For Gray Interior Pipe, Add	*18.37*	
33 01 30 23-0071	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	89.46	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-15.51*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*42.13*	
		For White Interior Pipe, Add	*28.43*	
		For Gray Interior Pipe, Add	*21.54*	
33 01 30 23-0072	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	103.57	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-17.99*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*48.88*	
		For White Interior Pipe, Add	*32.98*	
		For Gray Interior Pipe, Add	*24.99*	
33 01 30 23-0073	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	118.77	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-20.65*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*56.11*	
		For White Interior Pipe, Add	*37.86*	
		For Gray Interior Pipe, Add	*28.69*	
33 01 30 23-0074	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	135.05	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-23.49*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*63.82*	
		For White Interior Pipe, Add	*43.07*	
		For Gray Interior Pipe, Add	*32.63*	
33 01 30 23-0075	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	166.23	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-28.99*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*78.75*	
		For White Interior Pipe, Add	*53.15*	
		For Gray Interior Pipe, Add	*40.26*	
33 01 30 23-0076	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	171.25	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-29.74*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*80.79*	
		For White Interior Pipe, Add	*54.52*	
		For Gray Interior Pipe, Add	*41.30*	

33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

Note: Excludes earthwork excavation and backfill

33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee *(33 01 30 23-0077)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	1,293.74	
		For No Excavation, Deduct	*-853.99*	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	1,452.93	
		For No Excavation, Deduct	*-960.73*	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,533.65	
		For No Excavation, Deduct	*-1,014.10*	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,614.37	
		For No Excavation, Deduct	*-1,067.48*	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,737.56	
		For No Excavation, Deduct	*-1,120.85*	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,630.01	
		For No Excavation, Deduct	*-1,067.48*	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,712.97	
		For No Excavation, Deduct	*-1,120.85*	
33 01 30 23-0086	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,827.21	
		For No Excavation, Deduct	*-1,174.23*	
33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,093.43	
		For No Excavation, Deduct	*-1,227.60*	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,200.97	
		For No Excavation, Deduct	*-1,280.97*	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,603.53	
		For No Excavation, Deduct	*-1,334.35*	

33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style *(33 01 30 23-0077)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high-density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,829.69	
		For No Excavation, Deduct	*-953.11*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-242.72*	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,116.72	
		For No Excavation, Deduct	*-991.23*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-226.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,302.08	
		For No Excavation, Deduct	*-1,029.36*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-75.24*	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,530.82	
		For No Excavation, Deduct	*-1,143.73*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-120.98*	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	7,921.56	
		For No Excavation, Deduct	*-1,219.98*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*334.25*	
33 01 30 23-0096	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,587.94	
		For No Excavation, Deduct	*-1,353.41*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*340.80*	
33 01 30 23-0097	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,514.07	
		For No Excavation, Deduct	*-1,486.85*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*686.32*	
33 01 30 23-0098	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	10,995.29	
		For No Excavation, Deduct	*-1,677.47*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*475.06*	
33 01 30 23-0099	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	13,350.41	
		For No Excavation, Deduct	*-1,982.47*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*614.84*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Set-up And Reinsertion For Hydro Jet *(33 01 30 41-0002)*

Note: Includes mobilization delivery, set-up, cleanup after use and return.

33 01 30 41-0004	EA	Initial Set-up And Final Equipment Removal For Up To 8" Jet Cleaning	1,478.46
33 01 30 41-0005	EA	Initial Set-up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,217.69
33 01 30 41-0006	EA	Initial Set-up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,956.93
33 01 30 41-0007	EA	Initial Set-up And Final Equipment Removal For >30" Jet Cleaning	3,942.56
33 01 30 41-0008	EA	Move And Set-up At Different Access/Location For Up To 8" Jet Cleaning	369.62
33 01 30 41-0009	EA	Move And Set-up At Different Access/Location For >8" To 12" Jet Cleaning	554.43
33 01 30 41-0010	EA	Move And Set-up At Different Access/Location For >12" To 30" Jet Cleaning	739.23
33 01 30 41-0011	EA	Move And Set-up At Different Access/Location For >30" Jet Cleaning	924.04

33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.97
		For >250 To 500, Deduct	*-0.20*
		For >500 To 1,000, Deduct	*-0.40*
		For >1,000 To 2,000, Deduct	*-0.60*
		For >2,000 To 5,000, Deduct	*-0.79*
		For >5,000, Deduct	*-0.99*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.98*
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.56
		For >250 To 500, Deduct	*-0.23*
		For >500 To 1,000, Deduct	*-0.46*
		For >1,000 To 2,000, Deduct	*-0.68*
		For >2,000 To 5,000, Deduct	*-0.91*
		For >5,000, Deduct	*-1.14*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.42*
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.36
		For >250 To 500, Deduct	*-0.27*
		For >500 To 1,000, Deduct	*-0.54*
		For >1,000 To 2,000, Deduct	*-0.80*
		For >2,000 To 5,000, Deduct	*-1.07*
		For >5,000, Deduct	*-1.34*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.02*
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.62
		For >250 To 500, Deduct	*-0.33*
		For >500 To 1,000, Deduct	*-0.66*
		For >1,000 To 2,000, Deduct	*-0.99*
		For >2,000 To 5,000, Deduct	*-1.32*
		For >5,000, Deduct	*-1.66*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.97*
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.51
		For >250 To 500, Deduct	*-0.38*
		For >500 To 1,000, Deduct	*-0.75*
		For >1,000 To 2,000, Deduct	*-1.13*
		For >2,000 To 5,000, Deduct	*-1.50*
		For >5,000, Deduct	*-1.88*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.63*
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.67
		For >250 To 500, Deduct	*-0.43*
		For >500 To 1,000, Deduct	*-0.87*
		For >1,000 To 2,000, Deduct	*-1.30*
		For >2,000 To 5,000, Deduct	*-1.73*
		For >5,000, Deduct	*-2.17*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.50*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.44	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.57*	
		For >2,000 To 5,000, Deduct	*-2.09*	
		For >5,000, Deduct	*-2.61*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.83*	
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.85	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000 To 2,000, Deduct	*-1.78*	
		For >2,000 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-2.96*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.89*	
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.00	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000 To 2,000, Deduct	*-2.10*	
		For >2,000 To 5,000, Deduct	*-2.80*	
		For >5,000, Deduct	*-3.50*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*10.50*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	17.61	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-2.64*	
		For >2,000 To 5,000, Deduct	*-3.52*	
		For >5,000, Deduct	*-4.40*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*13.21*	
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	20.53	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000 To 2,000, Deduct	*-3.08*	
		For >2,000 To 5,000, Deduct	*-4.11*	
		For >5,000, Deduct	*-5.13*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*15.40*	

33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.51	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.23*	
		For >2,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.38*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.73	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.43*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	2.03	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.30*	
		For >2,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.51*	
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.33	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.35*	
		For >2,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.58*	
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	3.11	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000 To 2,000, Deduct	*-0.47*	
		For >2,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.78*	

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	18.39	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000 To 2,000, Deduct	*-2.76*	
		For >2,000 To 5,000, Deduct	*-3.68*	
		For >5,000, Deduct	*-4.60*	

33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0033	EA	Initial Set-up And Final Equipment Removal For Mechanical Cleaning	1,293.55	
33 01 30 41-0034	EA	Move And Set-up At Different Access/Location For Mechanical Cleaning	431.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.49	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000 To 2,000, Deduct	*-1.08*	
		For >2,000 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-1.80*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	9.86	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.39*	
		For >2,000 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-2.31*	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	11.55	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-1.62*	
		For >2,000 To 5,000, Deduct	*-2.16*	
		For >5,000, Deduct	*-2.70*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	13.37	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 2,000, Deduct	*-1.87*	
		For >2,000 To 5,000, Deduct	*-2.49*	
		For >5,000, Deduct	*-3.11*	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	14.56	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000 To 2,000, Deduct	*-2.02*	
		For >2,000 To 5,000, Deduct	*-2.70*	
		For >5,000, Deduct	*-3.37*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	16.79	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-2.31*	
		For >2,000 To 5,000, Deduct	*-3.08*	
		For >5,000, Deduct	*-3.85*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	21.20	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000 To 2,000, Deduct	*-2.85*	
		For >2,000 To 5,000, Deduct	*-3.81*	
		For >5,000, Deduct	*-4.76*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	24.30	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000 To 5,000, Deduct	*-4.24*	
		For >5,000, Deduct	*-5.30*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	28.28	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,000, Deduct	*-3.66*	
		For >2,000 To 5,000, Deduct	*-4.88*	
		For >5,000, Deduct	*-6.10*	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	36.99	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-3.23*	
		For >1,000 To 2,000, Deduct	*-4.85*	
		For >2,000 To 5,000, Deduct	*-6.47*	
		For >5,000, Deduct	*-8.09*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	42.13	
		For >250 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-5.39*	
		For >2,000 To 5,000, Deduct	*-7.19*	
		For >5,000, Deduct	*-8.98*	

33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0047	EA	Initial Set-up And Final Equipment Removal For Auguring	1,293.55	
33 01 30 41-0048	EA	Move And Set-up At Different Location For Auguring	431.18	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	4.31	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000 To 2,000, Deduct	*-0.65*	
		For >2,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.08*	
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.57	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 2,000, Deduct	*-0.84*	
		For >2,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.47	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.97*	
		For >2,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-1.62*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.52	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-1.88*	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.09	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.21*	
		For >2,000 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-2.02*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.24	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.39*	
		For >2,000 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-2.31*	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.35	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000 To 5,000, Deduct	*-2.27*	
		For >5,000, Deduct	*-2.84*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	12.68	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000 To 2,000, Deduct	*-1.90*	
		For >2,000 To 5,000, Deduct	*-2.54*	
		For >5,000, Deduct	*-3.17*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	14.70	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000 To 2,000, Deduct	*-2.21*	
		For >2,000 To 5,000, Deduct	*-2.94*	
		For >5,000, Deduct	*-3.68*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	20.21	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000 To 2,000, Deduct	*-3.03*	
		For >2,000 To 5,000, Deduct	*-4.04*	
		For >5,000, Deduct	*-5.05*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	21.56	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000 To 2,000, Deduct	*-3.23*	
		For >2,000 To 5,000, Deduct	*-4.31*	
		For >5,000, Deduct	*-5.39*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Waste Water Drain	57.96	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	115.93	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	23.19	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	25.51	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	28.99	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	33.62	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	39.42	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	46.37	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	54.49	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	62.61	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	73.04	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	86.95	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	289.83	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	932.56	
		For >10 To 100, Deduct	*-139.88*	
		For >100 To 250, Deduct	*-209.83*	
		For >250, Deduct	*-279.77*	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,119.08	
		For >10 To 100, Deduct	*-167.86*	
		For >100 To 250, Deduct	*-251.79*	
		For >250, Deduct	*-335.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	559.54	
		For >10 To 100, Deduct	*-83.93*	
		For >100 To 250, Deduct	*-125.90*	
		For >250, Deduct	*-167.86*	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	302.67	
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	281.35	
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	260.02	
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	238.71	
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	217.39	
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	196.07	

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	781.66	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	859.82	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	937.99	

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	133.54	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	188.33	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	217.03	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	246.93	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	143.92	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	200.07	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	228.85	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	264.02	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	154.41	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	207.96	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	239.96	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	279.04	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	173.77	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	228.93	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	277.47	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	334.22	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	435.38	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	540.96	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	659.44	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	204.16	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	270.44	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	320.49	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	375.90	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	517.29	
		For Stainless Steel Nuts And Bolts, Add	*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	628.73	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	750.89	
		For Stainless Steel Nuts And Bolts, Add	*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	268.93	
		For Stainless Steel Nuts And Bolts, Add	*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	348.69	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	420.72	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	502.57	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	663.84	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	793.99	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	941.08	
		For Stainless Steel Nuts And Bolts, Add	*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	313.41	
		For Stainless Steel Nuts And Bolts, Add	*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	419.51	
		For Stainless Steel Nuts And Bolts, Add	*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	494.54	
		For Stainless Steel Nuts And Bolts, Add	*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	606.11	
		For Stainless Steel Nuts And Bolts, Add	*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	792.47	
		For Stainless Steel Nuts And Bolts, Add	*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	904.20	
		For Stainless Steel Nuts And Bolts, Add	*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,159.68	
		For Stainless Steel Nuts And Bolts, Add	*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	357.17	
		For Stainless Steel Nuts And Bolts, Add	*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	465.25	
		For Stainless Steel Nuts And Bolts, Add	*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	561.45	
		For Stainless Steel Nuts And Bolts, Add	*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	689.86	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	884.60	
		For Stainless Steel Nuts And Bolts, Add	*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,041.27	
		For Stainless Steel Nuts And Bolts, Add	*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,319.78	
		For Stainless Steel Nuts And Bolts, Add	*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	777.71	
		For Stainless Steel Nuts And Bolts, Add	*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,099.46	
		For Stainless Steel Nuts And Bolts, Add	*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,478.83	
		For Stainless Steel Nuts And Bolts, Add	*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,170.34	
		For Stainless Steel Nuts And Bolts, Add	*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	816.35	
		For Stainless Steel Nuts And Bolts, Add	*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,150.99	
		For Stainless Steel Nuts And Bolts, Add	*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,544.55	
		For Stainless Steel Nuts And Bolts, Add	*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,275.35	
		For Stainless Steel Nuts And Bolts, Add	*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	837.86	
		For Stainless Steel Nuts And Bolts, Add	*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,179.24	
		For Stainless Steel Nuts And Bolts, Add	*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,586.01	
		For Stainless Steel Nuts And Bolts, Add	*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,334.58	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	860.56	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,211.47	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,626.79	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,394.13	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	881.13	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,239.34	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,667.57	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,448.46	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	900.45	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,267.57	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,703.79	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,484.12	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	922.43	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,300.71	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,742.11	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,559.56	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Compression Couplings And Fittings For Copper Pipe *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	80.63
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	94.00
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	110.44
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	124.38
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	189.47

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	95.72
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	112.60
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	223.78
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	92.39
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	82.69
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	96.77
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	118.93

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	173.65
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	138.31
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	164.10
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	137.35

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	82.43
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	67.38
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	77.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	95.29	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	112.26	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	123.13	
33 01 30 51-0107		**Copper Compression Repair Fitting, Female Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	96.04	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	102.92	
33 01 30 51-0110		**Compression Couplings And Fittings For Steel Pipe, Cast Body** *(33 01 30 51-0079)*		
		Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		**Compression Couplings For Steel Pipe, Cast Body** *(33 01 30 51-0110)*		
		Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring	78.99	
33 01 30 51-0113	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring	79.18	
33 01 30 51-0114	EA	1" Cast Body, Compression Coupling, 5" Middle Ring	88.96	
33 01 30 51-0115	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring	98.85	
33 01 30 51-0116	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring	122.07	
33 01 30 51-0117	EA	2" Cast Body, Compression Coupling, 5" Middle Ring	148.66	
33 01 30 51-0118	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	81.30	
33 01 30 51-0119	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	81.74	
33 01 30 51-0120	EA	1" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	89.34	
33 01 30 51-0121	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	100.04	
33 01 30 51-0122	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	125.96	
33 01 30 51-0123	EA	2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	150.38	
33 01 30 51-0124	EA	3/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	158.73	
33 01 30 51-0125	EA	1" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	185.71	
33 01 30 51-0126	EA	1-1/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	192.58	
33 01 30 51-0127	EA	1-1/2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	215.60	
33 01 30 51-0128	EA	2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	262.52	
33 01 30 51-0129		**Compression Reducing Couplings For Steel Pipe** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Compression Reducing Coupling	86.92	
33 01 30 51-0131	EA	1" x 3/4" Compression Reducing Coupling	91.48	
33 01 30 51-0132	EA	1-1/4" x 3/4" Compression Reducing Coupling	103.08	
33 01 30 51-0133	EA	1-1/4" x 1" Compression Reducing Coupling	107.35	
33 01 30 51-0134	EA	1-1/2" x 3/4" Compression Reducing Coupling	211.32	
33 01 30 51-0135	EA	1-1/2" x 1" Compression Reducing Coupling	128.70	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Compression Reducing Coupling	129.30	
33 01 30 51-0137	EA	2" x 3/4" Compression Reducing Coupling	252.35	
33 01 30 51-0138	EA	2" x 1" Compression Reducing Coupling	228.61	
33 01 30 51-0139	EA	2" x 1-1/4" Compression Reducing Coupling	172.14	
33 01 30 51-0140	EA	2" x 1-1/2" Compression Reducing Coupling	171.51	
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" Compression 45 Degree Elbow	145.96	
33 01 30 51-0143	EA	1-1/4" Compression 45 Degree Elbow	151.49	
33 01 30 51-0144	EA	1-1/2" Compression 45 Degree Elbow	195.97	
33 01 30 51-0145	EA	2" Compression 45 Degree Elbow	247.91	
33 01 30 51-0146	EA	3/4" Compression 90 Degree Elbow	96.77	
33 01 30 51-0147	EA	1" Compression 90 Degree Elbow	99.72	
33 01 30 51-0148	EA	1-1/4" Compression 90 Degree Elbow	116.96	
33 01 30 51-0149	EA	1-1/2" Compression 90 Degree Elbow	167.97	
33 01 30 51-0150	EA	2" Compression 90 Degree Elbow	183.16	
33 01 30 51-0151	EA	3/4" Plain End Compression 90 Degree Street Elbow	97.09	
33 01 30 51-0152	EA	1" Plain End Compression 90 Degree Street Elbow	84.33	
33 01 30 51-0153	EA	1-1/4" Plain End Compression 90 Degree Street Elbow	95.18	
33 01 30 51-0154	EA	1-1/2" Plain End Compression 90 Degree Street Elbow	120.48	
33 01 30 51-0155	EA	2" Plain End Compression 90 Degree Street Elbow	156.30	
33 01 30 51-0156	EA	3/4" Threaded End Compression 90 Degree Street Elbow	100.44	
33 01 30 51-0157	EA	1" Threaded End Compression 90 Degree Street Elbow	90.59	
33 01 30 51-0158	EA	1-1/4" Threaded End Compression 90 Degree Street Elbow	118.45	
33 01 30 51-0159	EA	1-1/2" Threaded End Compression 90 Degree Street Elbow	142.68	
33 01 30 51-0160	EA	2" Threaded End Compression 90 Degree Street Elbow	203.79	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Compression Street Tee	104.78	
33 01 30 51-0163	EA	1" Compression Street Tee	123.40	
33 01 30 51-0164	EA	1-1/4" Compression Street Tee	123.74	
33 01 30 51-0165	EA	1-1/2" Compression Street Tee	142.08	
33 01 30 51-0166	EA	2" Compression Street Tee	218.22	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Compression Reducing Street Tee	122.53	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Compression Reducing Street Tee	128.60	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Compression Reducing Street Tee	161.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Compression Reducing Street Tee	188.48	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Compression Reducing Street Tee	189.69	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Compression Reducing Street Tee	158.50	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Compression Reducing Street Tee	212.29	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Compression Reducing Street Tee	242.74	
33 01 30 51-0175	EA	3/4" Welding Compression Street Tee	196.11	
33 01 30 51-0176	EA	1" Welding Compression Street Tee	195.69	
33 01 30 51-0177	EA	1-1/4" Welding Compression Street Tee	209.41	
33 01 30 51-0178	EA	1-1/2" Welding Compression Street Tee	251.67	
33 01 30 51-0179	EA	2" Welding Compression Street Tee	340.45	
33 01 30 51-0180	EA	3/4" Regular Compression Tee	142.98	
33 01 30 51-0181	EA	1" Regular Compression Tee	253.65	
33 01 30 51-0182	EA	1-1/4" Regular Compression Tee	267.25	
33 01 30 51-0183	EA	1-1/2" Regular Compression Tee	285.59	
33 01 30 51-0184	EA	2" Regular Compression Tee	315.79	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Compression Reducing Tee	310.92	
33 01 30 51-0186		**Steel Compression Repair Fittings, Male Adapters** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0187	EA	3/4" Compression Male Adapter	96.49	
33 01 30 51-0188	EA	1" Compression Male Adapter	107.31	
33 01 30 51-0189	EA	1-1/4" Compression Male Adapter	140.69	
33 01 30 51-0190	EA	1-1/2" Compression Male Adapter	158.23	
33 01 30 51-0191	EA	2" Compression Male Adapter	178.06	
33 01 30 51-0192	EA	1" x 1-1/4" Compression Male Adapter	139.91	
33 01 30 51-0193		**Steel Compression Repair Fittings, Line Caps** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0194	EA	3/4" Compression Line Caps	51.99	
33 01 30 51-0195	EA	1" Compression Line Caps	60.53	
33 01 30 51-0196	EA	1-1/4" Compression Line Caps	69.20	
33 01 30 51-0197	EA	1-1/2" Compression Line Caps	81.24	
33 01 30 51-0198	EA	2" Compression Line Caps	100.44	
33 01 30 51-0199		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket. Dresser style 38		
33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	77.07	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	95.12	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	108.97	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	129.59	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	160.26	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	213.77	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	200.45	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	261.48	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	269.54	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	277.60	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	302.18	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	315.86	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	333.00	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	391.95	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	397.35	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	417.01	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	417.30	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	431.91	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	450.56	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	486.68	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	508.27	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	526.00	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	600.79	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	702.74	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	682.98	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	899.09	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	1,040.66	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,246.01	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,371.34	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,480.55	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,859.74	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	1,956.86	
33 01 30 51-0232		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	79.38	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	94.80	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	108.83	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	128.52	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	191.00	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	186.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	188.89	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	277.60	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	285.66	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	293.72	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	324.14	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	309.93	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	317.41	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	420.24	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	424.18	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	607.00	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	425.94	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	446.92	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	455.02	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	533.56	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	541.52	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	554.35	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	620.14	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	722.89	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	703.13	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	918.80	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,060.81	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,276.23	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,411.64	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,520.84	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,900.04	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,997.15	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	93.71	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	109.38	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	125.94	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	150.74	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	191.00	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	226.99	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	238.96	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	277.60	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	285.66	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	293.72	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	324.14	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	352.87	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	363.79	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	420.24	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	424.18	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	470.32	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	425.94	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	446.92	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	455.02	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	533.56	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	541.52	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	554.35	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	620.14	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	722.89	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	703.13	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	918.80	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,060.81	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,246.01	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,411.64	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,520.84	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,900.04	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,997.15	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	159.94	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	172.16	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	178.93	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	276.23	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	298.27	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	309.50	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	355.27	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	352.73	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	393.17	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	404.09	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	549.30	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	563.79	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	583.64	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	593.25	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	602.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	746.89	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	805.70	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	820.79	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	820.59	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	1,046.33	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,090.62	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,263.18	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,588.17	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,548.65	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,728.37	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,873.85	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	2,037.45	
33 01 30 51-0326		**Grind Offset Joint** *(33 01 30 51-0001)*		
33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	469.00	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	625.33	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	781.66	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	937.99	
33 01 30 51-0331		**Pipe Plugging** *(33 01 30 51-0001)*		
33 01 30 51-0332		**Gravity Bladder Type, Temporary Pipe Plugging** *(33 01 30 51-0331)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	83.12	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	88.89	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	95.66	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	102.05	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	108.23	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	114.99	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	123.29	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	135.52	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	146.93	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	164.02	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	182.02	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	211.03	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	244.68	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	291.62	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	351.51	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	423.43	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	503.01	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	580.05	
33 01 30 51-0351		**Hydra Stop, Hot Tapping Of Pressure Pipe** *(33 01 30 51-0331)*		
		Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper	2,872.03	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper	3,603.83	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper	4,418.40	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper	5,330.17	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper	6,007.40	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper	7,085.96	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper	7,763.19	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper	8,841.71	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper	9,920.26	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper	11,067.77	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper	12,629.22	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper	14,397.58	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper	17,131.57	
33 01 30 51-0365		**Aluminum Expansion Plugs** *(33 01 30 51-0331)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug	81.08	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug	116.76	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug	131.59	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug	199.97	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug	205.48	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug	257.09	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug	347.74	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug	561.73	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug	608.40	
33 01 30 51-0375		**Pipe Repair Clamp, Stainless Steel, 3" Long** *(33 01 30 51-0001)*		
33 01 30 51-0376	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	184.18	
33 01 30 51-0377	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	184.73	
33 01 30 51-0378	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	186.12	
33 01 30 51-0379	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	187.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0380	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	188.21	
33 01 30 51-0381	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	190.29	
33 01 30 51-0382	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	192.38	
33 01 30 51-0383	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	195.16	
33 01 30 51-0384	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	338.30	
33 01 30 51-0385	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	347.33	
33 01 30 51-0386	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	353.59	
33 01 30 51-0387	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	419.64	
33 01 30 51-0388	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	427.98	
33 01 30 51-0389	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	433.54	
33 01 30 51-0390	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	441.89	
33 01 30 51-0391	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	450.23	
33 01 30 51-0392	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	461.35	
33 01 30 51-0393	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	480.82	
33 01 30 51-0394		PolySeal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0395	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	374.19	
33 01 30 51-0396	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	422.57	
33 01 30 51-0397		Lateral Pipe Connection To Main *(33 01 30 51)* Note: Excludes excavation and backfill where required, additional pipe and fittings. See CSI section 31 23 00 00-0000 for excavation and backfill, 33 31 11 00-0345 for service saddles where required.		
33 01 30 51-0398	EA	2" Sewer Pipe Reconnection To Main	103.33	
33 01 30 51-0399	EA	3" Sewer Pipe Reconnection To Main	129.85	
33 01 30 51-0400	EA	4" Sewer Pipe Reconnection To Main	172.83	
33 01 30 51-0401	EA	6" Sewer Pipe Reconnection To Main	251.89	
33 01 30 51-0402	EA	8" Sewer Pipe Reconnection To Main	331.36	
33 01 30 51-0403	EA	10" Sewer Pipe Reconnection To Main	408.91	
33 01 30 51-0404	EA	12" Sewer Pipe Reconnection To Main	530.04	
33 01 30 63		**Sewer and Pipe Joint Sealing** *(33 01 30)*		
33 01 30 63-0001		Joint Air Test *(33 01 30 63)*		
33 01 30 63-0002	EA	4" To 8", Joint Air Test	110.25	
33 01 30 63-0003	EA	10" To 15", Joint Air Test	128.62	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	147.00	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	183.74	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	220.49	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	257.23	
33 01 30 63-0008		Joint Seal And Joint Air Retest *(33 01 30 63)* Note: Includes grout.		
33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest Note: Includes up to 1 gallon of grout.	331.19	
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest Note: Includes 1 gallon of grout.	367.94	
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	441.87	
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	497.22	
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	552.57	
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	653.97	
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	755.35	
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	856.74	
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	994.89	
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	1,133.04	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	1,307.92	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	1,510.71	
33 01 30 63-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	184.20	
33 01 30 71		**Relining Sewers** *(33 01 30)*		
33 01 30 71-0001		Relining Underground Pipelines *(33 01 30 71)* Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		Lining Pipe With Rib Loc *(33 01 30 71-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0003	LF	Lining 6" Pipe With Rib Loc	50.67	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000 To 2,000, Deduct	*-2.48*	
		For >2,000 To 5,000, Deduct	*-3.82*	
		For >5,000, Deduct	*-5.72*	
33 01 30 71-0004	LF	Lining 8" Pipe With Rib Loc	56.40	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 2,000, Deduct	*-2.75*	
		For >2,000 To 5,000, Deduct	*-4.23*	
		For >5,000, Deduct	*-6.34*	
33 01 30 71-0005	LF	Lining 10" Pipe With Rib Loc	78.60	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000 To 2,000, Deduct	*-3.68*	
		For >2,000 To 5,000, Deduct	*-5.64*	
		For >5,000, Deduct	*-8.63*	
33 01 30 71-0006	LF	Lining 12" Pipe With Rib Loc	100.37	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000 To 2,000, Deduct	*-4.60*	
		For >2,000 To 5,000, Deduct	*-7.03*	
		For >5,000, Deduct	*-10.88*	
33 01 30 71-0007	LF	Lining 15" Pipe With Rib Loc	133.99	
		For >500 To 1,000, Deduct	*-3.06*	
		For >1,000 To 2,000, Deduct	*-6.03*	
		For >2,000 To 5,000, Deduct	*-9.19*	
		For >5,000, Deduct	*-14.36*	
33 01 30 71-0008	LF	Lining 18" Pipe With Rib Loc	173.21	
		For >500 To 1,000, Deduct	*-3.90*	
		For >1,000 To 2,000, Deduct	*-7.69*	
		For >2,000 To 5,000, Deduct	*-11.69*	
		For >5,000, Deduct	*-18.40*	
33 01 30 71-0009	LF	Lining 21" Pipe With Rib Loc	217.95	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000 To 2,000, Deduct	*-9.54*	
		For >2,000 To 5,000, Deduct	*-14.48*	
		For >5,000, Deduct	*-22.97*	
33 01 30 71-0010	LF	Lining 24" Pipe With Rib Loc	270.11	
		For >500 To 1,000, Deduct	*-5.91*	
		For >1,000 To 2,000, Deduct	*-11.70*	
		For >2,000 To 5,000, Deduct	*-17.74*	
		For >5,000, Deduct	*-28.29*	
33 01 30 71-0011	LF	Lining 27" Pipe With Rib Loc	323.86	
		For >500 To 1,000, Deduct	*-7.04*	
		For >1,000 To 2,000, Deduct	*-13.94*	
		For >2,000 To 5,000, Deduct	*-21.12*	
		For >5,000, Deduct	*-33.79*	
33 01 30 71-0012	LF	Lining 30" Pipe With Rib Loc	384.48	
		For >500 To 1,000, Deduct	*-8.31*	
		For >1,000 To 2,000, Deduct	*-16.47*	
		For >2,000 To 5,000, Deduct	*-24.94*	
		For >5,000, Deduct	*-40.01*	
33 01 30 71-0013	LF	Lining 36" Pipe With Rib Loc	490.84	
		For >500 To 1,000, Deduct	*-10.52*	
		For >1,000 To 2,000, Deduct	*-20.86*	
		For >2,000 To 5,000, Deduct	*-31.56*	
		For >5,000, Deduct	*-50.84*	
33 01 30 71-0014	LF	Lining 42" Pipe With Rib Loc	611.70	
		For >500 To 1,000, Deduct	*-13.04*	
		For >1,000 To 2,000, Deduct	*-25.87*	
		For >2,000 To 5,000, Deduct	*-39.11*	
		For >5,000, Deduct	*-63.18*	
33 01 30 71-0015	LF	Lining 48" Pipe With Rib Loc	749.01	
		For >500 To 1,000, Deduct	*-15.92*	
		For >1,000 To 2,000, Deduct	*-31.60*	
		For >2,000 To 5,000, Deduct	*-47.75*	
		For >5,000, Deduct	*-77.24*	
33 01 30 71-0016	LF	Lining 54" Pipe With Rib Loc	885.65	
		For >500 To 1,000, Deduct	*-18.84*	
		For >1,000 To 2,000, Deduct	*-37.39*	
		For >2,000 To 5,000, Deduct	*-56.51*	
		For >5,000, Deduct	*-91.38*	
33 01 30 71-0017	LF	Lining 60" Pipe With Rib Loc	1,044.35	
		For >500 To 1,000, Deduct	*-22.42*	
		For >1,000 To 2,000, Deduct	*-44.46*	
		For >2,000 To 5,000, Deduct	*-67.26*	
		For >5,000, Deduct	*-108.27*	
33 01 30 71-0018	LF	Lining 66" Pipe With Rib Loc	1,238.14	
		For >500 To 1,000, Deduct	*-27.17*	
		For >1,000 To 2,000, Deduct	*-53.74*	
		For >2,000 To 5,000, Deduct	*-81.52*	
		For >5,000, Deduct	*-129.84*	
33 01 30 71-0019	LF	Lining 72" Pipe With Rib Loc	1,491.03	
		For >500 To 1,000, Deduct	*-34.04*	
		For >1,000 To 2,000, Deduct	*-67.02*	
		For >2,000 To 5,000, Deduct	*-102.11*	
		For >5,000, Deduct	*-159.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0020		**Lining Pipe, Spray Applied With Structural Polyurethane** *(33 01 30 71-0001)* Note: Two part structural polyurethane.		
33 01 30 71-0021		**Mobilization And Set-up For Spray Applied Structural Polyurethane Lining** *(33 01 30 71-0020)*		
33 01 30 71-0022	EA	Initial Set-up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	1,948.98	
33 01 30 71-0023		**Lining Pipe, Spray Applied With 100 mil Structural Polyurethane** *(33 01 30 71-0020)* Note: Two part structural polyurethane.		
33 01 30 71-0024	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	61.51	
		For Up To 75, Add	*13.35*	
		For >75 To 150, Add	*6.15*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000 To 2,000, Deduct	*-3.20*	
		For >2,000 To 5,000, Deduct	*-4.95*	
		For >5,000, Deduct	*-7.20*	
33 01 30 71-0025	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	71.76	
		For Up To 75, Add	*15.58*	
		For >75 To 150, Add	*7.18*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000 To 2,000, Deduct	*-3.73*	
		For >2,000 To 5,000, Deduct	*-5.78*	
		For >5,000, Deduct	*-8.40*	
33 01 30 71-0026	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	82.02	
		For Up To 75, Add	*17.81*	
		For >75 To 150, Add	*8.20*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000 To 2,000, Deduct	*-4.26*	
		For >2,000 To 5,000, Deduct	*-6.60*	
		For >5,000, Deduct	*-9.60*	
33 01 30 71-0027	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	92.27	
		For Up To 75, Add	*20.03*	
		For >75 To 150, Add	*9.23*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000 To 2,000, Deduct	*-4.79*	
		For >2,000 To 5,000, Deduct	*-7.43*	
		For >5,000, Deduct	*-10.80*	
33 01 30 71-0028	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	102.52	
		For Up To 75, Add	*22.26*	
		For >75 To 150, Add	*10.25*	
		For >500 To 1,000, Deduct	*-2.75*	
		For >1,000 To 2,000, Deduct	*-5.33*	
		For >2,000 To 5,000, Deduct	*-8.25*	
		For >5,000, Deduct	*-12.00*	
33 01 30 71-0029	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.77	
		For Up To 75, Add	*24.48*	
		For >75 To 150, Add	*11.28*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000 To 2,000, Deduct	*-5.86*	
		For >2,000 To 5,000, Deduct	*-9.08*	
		For >5,000, Deduct	*-13.20*	
33 01 30 71-0030	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	123.02	
		For Up To 75, Add	*26.71*	
		For >75 To 150, Add	*12.30*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000 To 2,000, Deduct	*-6.39*	
		For >2,000 To 5,000, Deduct	*-9.90*	
		For >5,000, Deduct	*-14.40*	
33 01 30 71-0031	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	133.27	
		For Up To 75, Add	*28.93*	
		For >75 To 150, Add	*13.33*	
		For >500 To 1,000, Deduct	*-3.58*	
		For >1,000 To 2,000, Deduct	*-6.93*	
		For >2,000 To 5,000, Deduct	*-10.73*	
		For >5,000, Deduct	*-15.60*	
33 01 30 71-0032	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	143.52	
		For Up To 75, Add	*31.16*	
		For >75 To 150, Add	*14.35*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000 To 2,000, Deduct	*-7.46*	
		For >2,000 To 5,000, Deduct	*-11.55*	
		For >5,000, Deduct	*-16.80*	
33 01 30 71-0033	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	153.77	
		For Up To 75, Add	*33.38*	
		For >75 To 150, Add	*15.38*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000 To 2,000, Deduct	*-7.99*	
		For >2,000 To 5,000, Deduct	*-12.38*	
		For >5,000, Deduct	*-18.00*	
33 01 30 71-0034	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	164.02	
		For Up To 75, Add	*35.61*	
		For >75 To 150, Add	*16.40*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000 To 2,000, Deduct	*-8.52*	
		For >2,000 To 5,000, Deduct	*-13.20*	
		For >5,000, Deduct	*-19.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0035	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	174.28	
		For Up To 75, Add	*37.83*	
		For >75 To 150, Add	*17.43*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000 To 2,000, Deduct	*-9.06*	
		For >2,000 To 5,000, Deduct	*-14.03*	
		For >5,000, Deduct	*-20.41*	
33 01 30 71-0036	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	184.53	
		For Up To 75, Add	*40.06*	
		For >75 To 150, Add	*18.45*	
		For >500 To 1,000, Deduct	*-4.95*	
		For >1,000 To 2,000, Deduct	*-9.59*	
		For >2,000 To 5,000, Deduct	*-14.86*	
		For >5,000, Deduct	*-21.61*	
33 01 30 71-0037	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	194.79	
		For Up To 75, Add	*42.29*	
		For >75 To 150, Add	*19.48*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000 To 2,000, Deduct	*-10.12*	
		For >2,000 To 5,000, Deduct	*-15.68*	
		For >5,000, Deduct	*-22.81*	
33 01 30 71-0038	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	205.04	
		For Up To 75, Add	*44.51*	
		For >75 To 150, Add	*20.50*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000 To 2,000, Deduct	*-10.65*	
		For >2,000 To 5,000, Deduct	*-16.51*	
		For >5,000, Deduct	*-24.01*	
33 01 30 71-0039	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.53	

33 01 30 71-0040 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0041	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	82.90	
		For Up To 75, Add	*17.69*	
		For >75 To 150, Add	*8.29*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000 To 2,000, Deduct	*-4.09*	
		For >2,000 To 5,000, Deduct	*-6.30*	
		For >5,000, Deduct	*-9.40*	
33 01 30 71-0042	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	96.71	
		For Up To 75, Add	*20.63*	
		For >75 To 150, Add	*9.67*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000 To 2,000, Deduct	*-4.77*	
		For >2,000 To 5,000, Deduct	*-7.35*	
		For >5,000, Deduct	*-10.96*	
33 01 30 71-0043	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	110.53	
		For Up To 75, Add	*23.58*	
		For >75 To 150, Add	*11.05*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000 To 2,000, Deduct	*-5.45*	
		For >2,000 To 5,000, Deduct	*-8.40*	
		For >5,000, Deduct	*-12.53*	
33 01 30 71-0044	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	124.35	
		For Up To 75, Add	*26.53*	
		For >75 To 150, Add	*12.44*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000 To 2,000, Deduct	*-6.14*	
		For >2,000 To 5,000, Deduct	*-9.45*	
		For >5,000, Deduct	*-14.10*	
33 01 30 71-0045	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	138.16	
		For Up To 75, Add	*29.48*	
		For >75 To 150, Add	*13.82*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000 To 2,000, Deduct	*-6.82*	
		For >2,000 To 5,000, Deduct	*-10.50*	
		For >5,000, Deduct	*-15.66*	
33 01 30 71-0046	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	151.98	
		For Up To 75, Add	*32.42*	
		For >75 To 150, Add	*15.20*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000 To 2,000, Deduct	*-7.50*	
		For >2,000 To 5,000, Deduct	*-11.55*	
		For >5,000, Deduct	*-17.23*	
33 01 30 71-0047	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	165.80	
		For Up To 75, Add	*35.37*	
		For >75 To 150, Add	*16.58*	
		For >500 To 1,000, Deduct	*-4.20*	
		For >1,000 To 2,000, Deduct	*-8.18*	
		For >2,000 To 5,000, Deduct	*-12.60*	
		For >5,000, Deduct	*-18.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0048	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	179.60	
		For Up To 75, Add	*38.32*	
		For >75 To 150, Add	*17.96*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000 To 2,000, Deduct	*-8.86*	
		For >2,000 To 5,000, Deduct	*-13.65*	
		For >5,000, Deduct	*-20.36*	
33 01 30 71-0049	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	193.43	
		For Up To 75, Add	*41.27*	
		For >75 To 150, Add	*19.34*	
		For >500 To 1,000, Deduct	*-4.90*	
		For >1,000 To 2,000, Deduct	*-9.54*	
		For >2,000 To 5,000, Deduct	*-14.70*	
		For >5,000, Deduct	*-21.93*	
33 01 30 71-0050	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	207.24	
		For Up To 75, Add	*44.21*	
		For >75 To 150, Add	*20.72*	
		For >500 To 1,000, Deduct	*-5.25*	
		For >1,000 To 2,000, Deduct	*-10.23*	
		For >2,000 To 5,000, Deduct	*-15.75*	
		For >5,000, Deduct	*-23.49*	
33 01 30 71-0051	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	221.07	
		For Up To 75, Add	*47.17*	
		For >75 To 150, Add	*22.11*	
		For >500 To 1,000, Deduct	*-5.60*	
		For >1,000 To 2,000, Deduct	*-10.91*	
		For >2,000 To 5,000, Deduct	*-16.81*	
		For >5,000, Deduct	*-25.06*	
33 01 30 71-0052	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	234.87	
		For Up To 75, Add	*50.11*	
		For >75 To 150, Add	*23.49*	
		For >500 To 1,000, Deduct	*-5.95*	
		For >1,000 To 2,000, Deduct	*-11.59*	
		For >2,000 To 5,000, Deduct	*-17.85*	
		For >5,000, Deduct	*-26.62*	
33 01 30 71-0053	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	248.69	
		For Up To 75, Add	*53.06*	
		For >75 To 150, Add	*24.87*	
		For >500 To 1,000, Deduct	*-6.30*	
		For >1,000 To 2,000, Deduct	*-12.27*	
		For >2,000 To 5,000, Deduct	*-18.90*	
		For >5,000, Deduct	*-28.19*	
33 01 30 71-0054	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	262.51	
		For Up To 75, Add	*56.01*	
		For >75 To 150, Add	*26.25*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000 To 2,000, Deduct	*-12.95*	
		For >2,000 To 5,000, Deduct	*-19.96*	
		For >5,000, Deduct	*-29.76*	
33 01 30 71-0055	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	276.33	
		For Up To 75, Add	*58.95*	
		For >75 To 150, Add	*27.63*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000 To 2,000, Deduct	*-13.64*	
		For >2,000 To 5,000, Deduct	*-21.01*	
		For >5,000, Deduct	*-31.32*	
33 01 30 71-0056	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.80	

33 01 30 71-0057 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0058	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	104.26	
		For Up To 75, Add	*22.02*	
		For >75 To 150, Add	*10.43*	
		For >500 To 1,000, Deduct	*-2.55*	
		For >1,000 To 2,000, Deduct	*-4.99*	
		For >2,000 To 5,000, Deduct	*-7.65*	
		For >5,000, Deduct	*-11.59*	
33 01 30 71-0059	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	121.65	
		For Up To 75, Add	*25.69*	
		For >75 To 150, Add	*12.17*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000 To 2,000, Deduct	*-5.82*	
		For >2,000 To 5,000, Deduct	*-8.93*	
		For >5,000, Deduct	*-13.52*	
33 01 30 71-0060	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	139.01	
		For Up To 75, Add	*29.35*	
		For >75 To 150, Add	*13.90*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000 To 2,000, Deduct	*-6.65*	
		For >2,000 To 5,000, Deduct	*-10.20*	
		For >5,000, Deduct	*-15.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0061	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	156.41	
		For Up To 75, Add	*33.03*	
		For >75 To 150, Add	*15.64*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000 To 2,000, Deduct	*-7.48*	
		For >2,000 To 5,000, Deduct	*-11.48*	
		For >5,000, Deduct	*-17.39*	
33 01 30 71-0062	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	173.78	
		For Up To 75, Add	*36.70*	
		For >75 To 150, Add	*17.38*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000 To 2,000, Deduct	*-8.31*	
		For >2,000 To 5,000, Deduct	*-12.76*	
		For >5,000, Deduct	*-19.32*	
33 01 30 71-0063	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	191.15	
		For Up To 75, Add	*40.37*	
		For >75 To 150, Add	*19.12*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000 To 2,000, Deduct	*-9.14*	
		For >2,000 To 5,000, Deduct	*-14.03*	
		For >5,000, Deduct	*-21.25*	
33 01 30 71-0064	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	208.54	
		For Up To 75, Add	*44.04*	
		For >75 To 150, Add	*20.85*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000 To 2,000, Deduct	*-9.97*	
		For >2,000 To 5,000, Deduct	*-15.31*	
		For >5,000, Deduct	*-23.18*	
33 01 30 71-0065	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	225.91	
		For Up To 75, Add	*47.71*	
		For >75 To 150, Add	*22.59*	
		For >500 To 1,000, Deduct	*-5.53*	
		For >1,000 To 2,000, Deduct	*-10.80*	
		For >2,000 To 5,000, Deduct	*-16.58*	
		For >5,000, Deduct	*-25.11*	
33 01 30 71-0066	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	243.30	
		For Up To 75, Add	*51.38*	
		For >75 To 150, Add	*24.33*	
		For >500 To 1,000, Deduct	*-5.95*	
		For >1,000 To 2,000, Deduct	*-11.63*	
		For >2,000 To 5,000, Deduct	*-17.86*	
		For >5,000, Deduct	*-27.05*	
33 01 30 71-0067	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	260.66	
		For Up To 75, Add	*55.04*	
		For >75 To 150, Add	*26.07*	
		For >500 To 1,000, Deduct	*-6.38*	
		For >1,000 To 2,000, Deduct	*-12.46*	
		For >2,000 To 5,000, Deduct	*-19.13*	
		For >5,000, Deduct	*-28.98*	
33 01 30 71-0068	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	278.06	
		For Up To 75, Add	*58.72*	
		For >75 To 150, Add	*27.81*	
		For >500 To 1,000, Deduct	*-6.80*	
		For >1,000 To 2,000, Deduct	*-13.30*	
		For >2,000 To 5,000, Deduct	*-20.41*	
		For >5,000, Deduct	*-30.91*	
33 01 30 71-0069	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	295.42	
		For Up To 75, Add	*62.38*	
		For >75 To 150, Add	*29.54*	
		For >500 To 1,000, Deduct	*-7.23*	
		For >1,000 To 2,000, Deduct	*-14.13*	
		For >2,000 To 5,000, Deduct	*-21.69*	
		For >5,000, Deduct	*-32.84*	
33 01 30 71-0070	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	312.80	
		For Up To 75, Add	*66.05*	
		For >75 To 150, Add	*31.28*	
		For >500 To 1,000, Deduct	*-7.65*	
		For >1,000 To 2,000, Deduct	*-14.96*	
		For >2,000 To 5,000, Deduct	*-22.96*	
		For >5,000, Deduct	*-34.77*	
33 01 30 71-0071	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	330.19	
		For Up To 75, Add	*69.73*	
		For >75 To 150, Add	*33.02*	
		For >500 To 1,000, Deduct	*-8.08*	
		For >1,000 To 2,000, Deduct	*-15.79*	
		For >2,000 To 5,000, Deduct	*-24.24*	
		For >5,000, Deduct	*-36.71*	
33 01 30 71-0072	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	347.56	
		For Up To 75, Add	*73.39*	
		For >75 To 150, Add	*34.76*	
		For >500 To 1,000, Deduct	*-8.50*	
		For >1,000 To 2,000, Deduct	*-16.62*	
		For >2,000 To 5,000, Deduct	*-25.51*	
		For >5,000, Deduct	*-38.64*	
33 01 30 71-0073	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0074		Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0020)*		
		Note: Two part structural polyurethane.		
33 01 30 71-0075	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	125.74	
		For Up To 75, Add	*26.37*	
		For >75 To 150, Add	*12.57*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000 To 2,000, Deduct	*-5.89*	
		For >2,000 To 5,000, Deduct	*-9.02*	
		For >5,000, Deduct	*-13.80*	
33 01 30 71-0076	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	146.70	
		For Up To 75, Add	*30.77*	
		For >75 To 150, Add	*14.67*	
		For >500 To 1,000, Deduct	*-3.51*	
		For >1,000 To 2,000, Deduct	*-6.87*	
		For >2,000 To 5,000, Deduct	*-10.52*	
		For >5,000, Deduct	*-16.10*	
33 01 30 71-0077	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	167.65	
		For Up To 75, Add	*35.16*	
		For >75 To 150, Add	*16.77*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000 To 2,000, Deduct	*-7.85*	
		For >2,000 To 5,000, Deduct	*-12.02*	
		For >5,000, Deduct	*-18.40*	
33 01 30 71-0078	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	188.61	
		For Up To 75, Add	*39.56*	
		For >75 To 150, Add	*18.86*	
		For >500 To 1,000, Deduct	*-4.51*	
		For >1,000 To 2,000, Deduct	*-8.83*	
		For >2,000 To 5,000, Deduct	*-13.52*	
		For >5,000, Deduct	*-20.70*	
33 01 30 71-0079	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	209.56	
		For Up To 75, Add	*43.96*	
		For >75 To 150, Add	*20.96*	
		For >500 To 1,000, Deduct	*-5.01*	
		For >1,000 To 2,000, Deduct	*-9.81*	
		For >2,000 To 5,000, Deduct	*-15.03*	
		For >5,000, Deduct	*-23.00*	
33 01 30 71-0080	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	230.52	
		For Up To 75, Add	*48.35*	
		For >75 To 150, Add	*23.05*	
		For >500 To 1,000, Deduct	*-5.51*	
		For >1,000 To 2,000, Deduct	*-10.79*	
		For >2,000 To 5,000, Deduct	*-16.53*	
		For >5,000, Deduct	*-25.30*	
33 01 30 71-0081	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	251.47	
		For Up To 75, Add	*52.75*	
		For >75 To 150, Add	*25.15*	
		For >500 To 1,000, Deduct	*-6.01*	
		For >1,000 To 2,000, Deduct	*-11.78*	
		For >2,000 To 5,000, Deduct	*-18.03*	
		For >5,000, Deduct	*-27.60*	
33 01 30 71-0082	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	272.43	
		For Up To 75, Add	*57.14*	
		For >75 To 150, Add	*27.24*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000 To 2,000, Deduct	*-12.76*	
		For >2,000 To 5,000, Deduct	*-19.53*	
		For >5,000, Deduct	*-29.90*	
33 01 30 71-0083	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	293.38	
		For Up To 75, Add	*61.54*	
		For >75 To 150, Add	*29.34*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000 To 2,000, Deduct	*-13.74*	
		For >2,000 To 5,000, Deduct	*-21.04*	
		For >5,000, Deduct	*-32.20*	
33 01 30 71-0084	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	314.35	
		For Up To 75, Add	*65.94*	
		For >75 To 150, Add	*31.44*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000 To 2,000, Deduct	*-14.72*	
		For >2,000 To 5,000, Deduct	*-22.54*	
		For >5,000, Deduct	*-34.50*	
33 01 30 71-0085	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	335.29	
		For Up To 75, Add	*70.33*	
		For >75 To 150, Add	*33.53*	
		For >500 To 1,000, Deduct	*-8.01*	
		For >1,000 To 2,000, Deduct	*-15.70*	
		For >2,000 To 5,000, Deduct	*-24.04*	
		For >5,000, Deduct	*-36.80*	
33 01 30 71-0086	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	356.25	
		For Up To 75, Add	*74.72*	
		For >75 To 150, Add	*35.63*	
		For >500 To 1,000, Deduct	*-8.51*	
		For >1,000 To 2,000, Deduct	*-16.68*	
		For >2,000 To 5,000, Deduct	*-25.54*	
		For >5,000, Deduct	*-39.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0087	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	377.21	
		For Up To 75, Add	*79.12*	
		For >75 To 150, Add	*37.72*	
		For >500 To 1,000, Deduct	*-9.02*	
		For >1,000 To 2,000, Deduct	*-17.66*	
		For >2,000 To 5,000, Deduct	*-27.05*	
		For >5,000, Deduct	*-41.40*	
33 01 30 71-0088	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	398.17	
		For Up To 75, Add	*83.52*	
		For >75 To 150, Add	*39.82*	
		For >500 To 1,000, Deduct	*-9.52*	
		For >1,000 To 2,000, Deduct	*-18.64*	
		For >2,000 To 5,000, Deduct	*-28.55*	
		For >5,000, Deduct	*-43.70*	
33 01 30 71-0089	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	419.13	
		For Up To 75, Add	*87.91*	
		For >75 To 150, Add	*41.91*	
		For >500 To 1,000, Deduct	*-10.02*	
		For >1,000 To 2,000, Deduct	*-19.63*	
		For >2,000 To 5,000, Deduct	*-30.05*	
		For >5,000, Deduct	*-46.00*	
33 01 30 71-0090	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.34	

33 01 30 71-0091 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0092	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	147.35	
		For Up To 75, Add	*30.76*	
		For >75 To 150, Add	*14.74*	
		For >500 To 1,000, Deduct	*-3.46*	
		For >1,000 To 2,000, Deduct	*-6.80*	
		For >2,000 To 5,000, Deduct	*-10.39*	
		For >5,000, Deduct	*-16.03*	
33 01 30 71-0093	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	171.90	
		For Up To 75, Add	*35.89*	
		For >75 To 150, Add	*17.19*	
		For >500 To 1,000, Deduct	*-4.04*	
		For >1,000 To 2,000, Deduct	*-7.93*	
		For >2,000 To 5,000, Deduct	*-12.12*	
		For >5,000, Deduct	*-18.70*	
33 01 30 71-0094	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	196.46	
		For Up To 75, Add	*41.01*	
		For >75 To 150, Add	*19.65*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000 To 2,000, Deduct	*-9.06*	
		For >2,000 To 5,000, Deduct	*-13.85*	
		For >5,000, Deduct	*-21.37*	
33 01 30 71-0095	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	221.02	
		For Up To 75, Add	*46.14*	
		For >75 To 150, Add	*22.10*	
		For >500 To 1,000, Deduct	*-5.19*	
		For >1,000 To 2,000, Deduct	*-10.20*	
		For >2,000 To 5,000, Deduct	*-15.58*	
		For >5,000, Deduct	*-24.04*	
33 01 30 71-0096	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	245.59	
		For Up To 75, Add	*51.27*	
		For >75 To 150, Add	*24.56*	
		For >500 To 1,000, Deduct	*-5.77*	
		For >1,000 To 2,000, Deduct	*-11.33*	
		For >2,000 To 5,000, Deduct	*-17.32*	
		For >5,000, Deduct	*-26.71*	
33 01 30 71-0097	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	270.14	
		For Up To 75, Add	*56.39*	
		For >75 To 150, Add	*27.01*	
		For >500 To 1,000, Deduct	*-6.35*	
		For >1,000 To 2,000, Deduct	*-12.46*	
		For >2,000 To 5,000, Deduct	*-19.05*	
		For >5,000, Deduct	*-29.38*	
33 01 30 71-0098	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	294.69	
		For Up To 75, Add	*61.52*	
		For >75 To 150, Add	*29.47*	
		For >500 To 1,000, Deduct	*-6.93*	
		For >1,000 To 2,000, Deduct	*-13.59*	
		For >2,000 To 5,000, Deduct	*-20.78*	
		For >5,000, Deduct	*-32.05*	
33 01 30 71-0099	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	319.25	
		For Up To 75, Add	*66.65*	
		For >75 To 150, Add	*31.93*	
		For >500 To 1,000, Deduct	*-7.50*	
		For >1,000 To 2,000, Deduct	*-14.73*	
		For >2,000 To 5,000, Deduct	*-22.51*	
		For >5,000, Deduct	*-34.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0100	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	343.81	
		For Up To 75, Add	*71.77*	
		For >75 To 150, Add	*34.38*	
		For >500 To 1,000, Deduct	*-8.08*	
		For >1,000 To 2,000, Deduct	*-15.86*	
		For >2,000 To 5,000, Deduct	*-24.24*	
		For >5,000, Deduct	*-37.39*	
33 01 30 71-0101	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	368.37	
		For Up To 75, Add	*76.90*	
		For >75 To 150, Add	*36.84*	
		For >500 To 1,000, Deduct	*-8.66*	
		For >1,000 To 2,000, Deduct	*-16.99*	
		For >2,000 To 5,000, Deduct	*-25.97*	
		For >5,000, Deduct	*-40.06*	
33 01 30 71-0102	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	392.93	
		For Up To 75, Add	*82.03*	
		For >75 To 150, Add	*39.29*	
		For >500 To 1,000, Deduct	*-9.24*	
		For >1,000 To 2,000, Deduct	*-18.13*	
		For >2,000 To 5,000, Deduct	*-27.71*	
		For >5,000, Deduct	*-42.73*	
33 01 30 71-0103	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	417.48	
		For Up To 75, Add	*87.15*	
		For >75 To 150, Add	*41.75*	
		For >500 To 1,000, Deduct	*-9.81*	
		For >1,000 To 2,000, Deduct	*-19.26*	
		For >2,000 To 5,000, Deduct	*-29.44*	
		For >5,000, Deduct	*-45.40*	
33 01 30 71-0104	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	442.04	
		For Up To 75, Add	*92.28*	
		For >75 To 150, Add	*44.20*	
		For >500 To 1,000, Deduct	*-10.39*	
		For >1,000 To 2,000, Deduct	*-20.39*	
		For >2,000 To 5,000, Deduct	*-31.17*	
		For >5,000, Deduct	*-48.08*	
33 01 30 71-0105	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	466.60	
		For Up To 75, Add	*97.41*	
		For >75 To 150, Add	*46.66*	
		For >500 To 1,000, Deduct	*-10.97*	
		For >1,000 To 2,000, Deduct	*-21.52*	
		For >2,000 To 5,000, Deduct	*-32.90*	
		For >5,000, Deduct	*-50.75*	
33 01 30 71-0106	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	491.16	
		For Up To 75, Add	*102.53*	
		For >75 To 150, Add	*49.12*	
		For >500 To 1,000, Deduct	*-11.54*	
		For >1,000 To 2,000, Deduct	*-22.66*	
		For >2,000 To 5,000, Deduct	*-34.63*	
		For >5,000, Deduct	*-53.42*	
33 01 30 71-0107	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.64	

33 01 30 71-0108 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0109	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	190.63	
		For Up To 75, Add	*39.56*	
		For >75 To 150, Add	*19.06*	
		For >500 To 1,000, Deduct	*-4.39*	
		For >1,000 To 2,000, Deduct	*-8.63*	
		For >2,000 To 5,000, Deduct	*-13.16*	
		For >5,000, Deduct	*-20.50*	
33 01 30 71-0110	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	222.41	
		For Up To 75, Add	*46.16*	
		For >75 To 150, Add	*22.24*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000 To 2,000, Deduct	*-10.07*	
		For >2,000 To 5,000, Deduct	*-15.35*	
		For >5,000, Deduct	*-23.91*	
33 01 30 71-0111	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	254.17	
		For Up To 75, Add	*52.75*	
		For >75 To 150, Add	*25.42*	
		For >500 To 1,000, Deduct	*-5.85*	
		For >1,000 To 2,000, Deduct	*-11.51*	
		For >2,000 To 5,000, Deduct	*-17.54*	
		For >5,000, Deduct	*-27.33*	
33 01 30 71-0112	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	285.95	
		For Up To 75, Add	*59.34*	
		For >75 To 150, Add	*28.60*	
		For >500 To 1,000, Deduct	*-6.58*	
		For >1,000 To 2,000, Deduct	*-12.94*	
		For >2,000 To 5,000, Deduct	*-19.74*	
		For >5,000, Deduct	*-30.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0113	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	317.71	
		For Up To 75, Add	*65.93*	
		For >75 To 150, Add	*31.77*	
		For >500 To 1,000, Deduct	*-7.31*	
		For >1,000 To 2,000, Deduct	*-14.38*	
		For >2,000 To 5,000, Deduct	*-21.93*	
		For >5,000, Deduct	*-34.16*	
33 01 30 71-0114	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	349.48	
		For Up To 75, Add	*72.53*	
		For >75 To 150, Add	*34.95*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000 To 2,000, Deduct	*-15.82*	
		For >2,000 To 5,000, Deduct	*-24.12*	
		For >5,000, Deduct	*-37.58*	
33 01 30 71-0115	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	381.25	
		For Up To 75, Add	*79.12*	
		For >75 To 150, Add	*38.13*	
		For >500 To 1,000, Deduct	*-8.77*	
		For >1,000 To 2,000, Deduct	*-17.26*	
		For >2,000 To 5,000, Deduct	*-26.32*	
		For >5,000, Deduct	*-40.99*	
33 01 30 71-0116	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	413.02	
		For Up To 75, Add	*85.71*	
		For >75 To 150, Add	*41.30*	
		For >500 To 1,000, Deduct	*-9.50*	
		For >1,000 To 2,000, Deduct	*-18.70*	
		For >2,000 To 5,000, Deduct	*-28.51*	
		For >5,000, Deduct	*-44.41*	
33 01 30 71-0117	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	444.80	
		For Up To 75, Add	*92.31*	
		For >75 To 150, Add	*44.48*	
		For >500 To 1,000, Deduct	*-10.23*	
		For >1,000 To 2,000, Deduct	*-20.13*	
		For >2,000 To 5,000, Deduct	*-30.70*	
		For >5,000, Deduct	*-47.83*	
33 01 30 71-0118	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	476.57	
		For Up To 75, Add	*98.90*	
		For >75 To 150, Add	*47.66*	
		For >500 To 1,000, Deduct	*-10.97*	
		For >1,000 To 2,000, Deduct	*-21.57*	
		For >2,000 To 5,000, Deduct	*-32.90*	
		For >5,000, Deduct	*-51.24*	
33 01 30 71-0119	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	508.33	
		For Up To 75, Add	*105.49*	
		For >75 To 150, Add	*50.83*	
		For >500 To 1,000, Deduct	*-11.70*	
		For >1,000 To 2,000, Deduct	*-23.01*	
		For >2,000 To 5,000, Deduct	*-35.09*	
		For >5,000, Deduct	*-54.66*	
33 01 30 71-0120	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	540.11	
		For Up To 75, Add	*112.09*	
		For >75 To 150, Add	*54.01*	
		For >500 To 1,000, Deduct	*-12.43*	
		For >1,000 To 2,000, Deduct	*-24.45*	
		For >2,000 To 5,000, Deduct	*-37.28*	
		For >5,000, Deduct	*-58.07*	
33 01 30 71-0121	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	571.88	
		For Up To 75, Add	*118.68*	
		For >75 To 150, Add	*57.19*	
		For >500 To 1,000, Deduct	*-13.16*	
		For >1,000 To 2,000, Deduct	*-25.89*	
		For >2,000 To 5,000, Deduct	*-39.48*	
		For >5,000, Deduct	*-61.49*	
33 01 30 71-0122	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	603.65	
		For Up To 75, Add	*125.27*	
		For >75 To 150, Add	*60.37*	
		For >500 To 1,000, Deduct	*-13.89*	
		For >1,000 To 2,000, Deduct	*-27.32*	
		For >2,000 To 5,000, Deduct	*-41.67*	
		For >5,000, Deduct	*-64.91*	
33 01 30 71-0123	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	635.42	
		For Up To 75, Add	*131.86*	
		For >75 To 150, Add	*63.54*	
		For >500 To 1,000, Deduct	*-14.62*	
		For >1,000 To 2,000, Deduct	*-28.76*	
		For >2,000 To 5,000, Deduct	*-43.86*	
		For >5,000, Deduct	*-68.32*	
33 01 30 71-0124	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.23	

33 01 30 71-0125 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0126	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	234.29	
		For Up To 75, Add	*48.45*	
		For >75 To 150, Add	*23.43*	
		For >500 To 1,000, Deduct	*-5.32*	
		For >1,000 To 2,000, Deduct	*-10.49*	
		For >2,000 To 5,000, Deduct	*-15.97*	
		For >5,000, Deduct	*-25.02*	
33 01 30 71-0127	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	273.35	
		For Up To 75, Add	*56.53*	
		For >75 To 150, Add	*27.34*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000 To 2,000, Deduct	*-12.24*	
		For >2,000 To 5,000, Deduct	*-18.63*	
		For >5,000, Deduct	*-29.19*	
33 01 30 71-0128	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	312.40	
		For Up To 75, Add	*64.60*	
		For >75 To 150, Add	*31.24*	
		For >500 To 1,000, Deduct	*-7.10*	
		For >1,000 To 2,000, Deduct	*-13.98*	
		For >2,000 To 5,000, Deduct	*-21.29*	
		For >5,000, Deduct	*-33.36*	
33 01 30 71-0129	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	351.45	
		For Up To 75, Add	*72.68*	
		For >75 To 150, Add	*35.15*	
		For >500 To 1,000, Deduct	*-7.99*	
		For >1,000 To 2,000, Deduct	*-15.73*	
		For >2,000 To 5,000, Deduct	*-23.96*	
		For >5,000, Deduct	*-37.54*	
33 01 30 71-0130	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	390.50	
		For Up To 75, Add	*80.76*	
		For >75 To 150, Add	*39.05*	
		For >500 To 1,000, Deduct	*-8.87*	
		For >1,000 To 2,000, Deduct	*-17.48*	
		For >2,000 To 5,000, Deduct	*-26.62*	
		For >5,000, Deduct	*-41.71*	
33 01 30 71-0131	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	429.55	
		For Up To 75, Add	*88.83*	
		For >75 To 150, Add	*42.96*	
		For >500 To 1,000, Deduct	*-9.76*	
		For >1,000 To 2,000, Deduct	*-19.23*	
		For >2,000 To 5,000, Deduct	*-29.28*	
		For >5,000, Deduct	*-45.88*	
33 01 30 71-0132	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	468.60	
		For Up To 75, Add	*96.91*	
		For >75 To 150, Add	*46.86*	
		For >500 To 1,000, Deduct	*-10.65*	
		For >1,000 To 2,000, Deduct	*-20.97*	
		For >2,000 To 5,000, Deduct	*-31.94*	
		For >5,000, Deduct	*-50.05*	
33 01 30 71-0133	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	507.65	
		For Up To 75, Add	*104.98*	
		For >75 To 150, Add	*50.77*	
		For >500 To 1,000, Deduct	*-11.53*	
		For >1,000 To 2,000, Deduct	*-22.72*	
		For >2,000 To 5,000, Deduct	*-34.60*	
		For >5,000, Deduct	*-54.22*	
33 01 30 71-0134	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	546.69	
		For Up To 75, Add	*113.06*	
		For >75 To 150, Add	*54.67*	
		For >500 To 1,000, Deduct	*-12.42*	
		For >1,000 To 2,000, Deduct	*-24.47*	
		For >2,000 To 5,000, Deduct	*-37.26*	
		For >5,000, Deduct	*-58.39*	
33 01 30 71-0135	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	585.75	
		For Up To 75, Add	*121.13*	
		For >75 To 150, Add	*58.58*	
		For >500 To 1,000, Deduct	*-13.31*	
		For >1,000 To 2,000, Deduct	*-26.22*	
		For >2,000 To 5,000, Deduct	*-39.93*	
		For >5,000, Deduct	*-62.56*	
33 01 30 71-0136	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	624.80	
		For Up To 75, Add	*129.21*	
		For >75 To 150, Add	*62.48*	
		For >500 To 1,000, Deduct	*-14.20*	
		For >1,000 To 2,000, Deduct	*-27.97*	
		For >2,000 To 5,000, Deduct	*-42.59*	
		For >5,000, Deduct	*-66.73*	
33 01 30 71-0137	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	663.84	
		For Up To 75, Add	*137.28*	
		For >75 To 150, Add	*66.38*	
		For >500 To 1,000, Deduct	*-15.08*	
		For >1,000 To 2,000, Deduct	*-29.71*	
		For >2,000 To 5,000, Deduct	*-45.25*	
		For >5,000, Deduct	*-70.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0138	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	702.90	
		For Up To 75, Add	*145.36*	
		For >75 To 150, Add	*70.29*	
		For >500 To 1,000, Deduct	*-15.97*	
		For >1,000 To 2,000, Deduct	*-31.46*	
		For >2,000 To 5,000, Deduct	*-47.91*	
		For >5,000, Deduct	*-75.07*	
33 01 30 71-0139	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	741.95	
		For Up To 75, Add	*153.44*	
		For >75 To 150, Add	*74.20*	
		For >500 To 1,000, Deduct	*-16.86*	
		For >1,000 To 2,000, Deduct	*-33.21*	
		For >2,000 To 5,000, Deduct	*-50.57*	
		For >5,000, Deduct	*-79.24*	
33 01 30 71-0140	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	781.00	
		For Up To 75, Add	*161.51*	
		For >75 To 150, Add	*78.10*	
		For >500 To 1,000, Deduct	*-17.74*	
		For >1,000 To 2,000, Deduct	*-34.96*	
		For >2,000 To 5,000, Deduct	*-53.23*	
		For >5,000, Deduct	*-83.41*	
33 01 30 71-0141	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	24.86	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Set-Up And Reinsertion For Cured In-Place Pipe (CIPP) Lining *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set-up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,686.23
33 01 30 72-0004	EA	Initial Set-up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,810.38
33 01 30 72-0005	EA	Initial Set-up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,215.57
33 01 30 72-0006	EA	Initial Set-up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,620.77
33 01 30 72-0007	EA	Move And Set-up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	843.11
33 01 30 72-0008	EA	Move And Set-up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,405.19
33 01 30 72-0009	EA	Move And Set-up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,756.49
33 01 30 72-0010	EA	Move And Set-up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,248.31
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	1,405.19
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	3,372.46
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	5,620.77
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	8,431.14

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation *(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	25.61
		For Vinylester Resin, Add	*7.60*
		For Epoxy Resin, Add	*0.90*
		For Up To >10, Add	*49.71*
		For >10 To 25, Add	*39.61*
		For >25 To 50, Add	*24.31*
		For >50 To 100, Add	*12.16*
		For >500 To 1,000, Deduct	*-1.65*
		For >1,000 To 2,000, Deduct	*-2.66*
		For >2,000 To 5,000, Deduct	*-4.99*
		For >5,000, Deduct	*-8.07*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	31.56	
		For Vinylester Resin, Add	*11.76*	
		For Epoxy Resin, Add	*1.39*	
		For Up To >10, Add	*52.68*	
		For >10 To 25, Add	*41.10*	
		For >25 To 50, Add	*25.50*	
		For >50 To 100, Add	*12.75*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000 To 2,000, Deduct	*-3.11*	
		For >2,000 To 5,000, Deduct	*-5.71*	
		For >5,000, Deduct	*-9.26*	
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	37.51	
		For Vinylester Resin, Add	*15.93*	
		For Epoxy Resin, Add	*1.88*	
		For Up To >10, Add	*55.66*	
		For >10 To 25, Add	*42.59*	
		For >25 To 50, Add	*26.69*	
		For >50 To 100, Add	*13.35*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000 To 2,000, Deduct	*-3.55*	
		For >2,000 To 5,000, Deduct	*-6.42*	
		For >5,000, Deduct	*-10.45*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	50.82	
		For Vinylester Resin, Add	*24.26*	
		For Epoxy Resin, Add	*2.86*	
		For Up To >10, Add	*65.81*	
		For >10 To 25, Add	*49.07*	
		For >25 To 50, Add	*31.17*	
		For >50 To 100, Add	*15.59*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000 To 2,000, Deduct	*-4.62*	
		For >2,000 To 5,000, Deduct	*-8.20*	
		For >5,000, Deduct	*-13.40*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	64.13	
		For Vinylester Resin, Add	*32.59*	
		For Epoxy Resin, Add	*3.84*	
		For Up To >10, Add	*75.99*	
		For >10 To 25, Add	*55.57*	
		For >25 To 50, Add	*35.67*	
		For >50 To 100, Add	*17.83*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000 To 2,000, Deduct	*-5.69*	
		For >2,000 To 5,000, Deduct	*-9.98*	
		For >5,000, Deduct	*-16.34*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	36.69	
		For Vinylester Resin, Add	*15.35*	
		For Epoxy Resin, Add	*1.81*	
		For Up To >10, Add	*55.25*	
		For >10 To 25, Add	*42.38*	
		For >25 To 50, Add	*26.53*	
		For >50 To 100, Add	*13.26*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000 To 2,000, Deduct	*-3.49*	
		For >2,000 To 5,000, Deduct	*-6.32*	
		For >5,000, Deduct	*-10.29*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	44.63	
		For Vinylester Resin, Add	*20.91*	
		For Epoxy Resin, Add	*2.46*	
		For Up To >10, Add	*59.22*	
		For >10 To 25, Add	*44.37*	
		For >25 To 50, Add	*28.11*	
		For >50 To 100, Add	*14.06*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000 To 2,000, Deduct	*-4.09*	
		For >2,000 To 5,000, Deduct	*-7.27*	
		For >5,000, Deduct	*-11.88*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	61.90	
		For Vinylester Resin, Add	*32.02*	
		For Epoxy Resin, Add	*3.77*	
		For Up To >10, Add	*71.35*	
		For >10 To 25, Add	*51.84*	
		For >25 To 50, Add	*33.39*	
		For >50 To 100, Add	*16.69*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000 To 2,000, Deduct	*-5.45*	
		For >2,000 To 5,000, Deduct	*-9.53*	
		For >5,000, Deduct	*-15.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	79.18	
		For Vinylester Resin, Add	*43.13*	
		For Epoxy Resin, Add	*5.08*	
		For Up To >10, Add	*83.52*	
		For >10 To 25, Add	*59.33*	
		For >25 To 50, Add	*38.68*	
		For >50 To 100, Add	*19.34*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000 To 2,000, Deduct	*-6.82*	
		For >2,000 To 5,000, Deduct	*-11.79*	
		For >5,000, Deduct	*-19.35*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	96.59	
		For Vinylester Resin, Add	*54.24*	
		For Epoxy Resin, Add	*6.39*	
		For Up To >10, Add	*96.07*	
		For >10 To 25, Add	*67.15*	
		For >25 To 50, Add	*44.16*	
		For >50 To 100, Add	*22.08*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000 To 2,000, Deduct	*-8.20*	
		For >2,000 To 5,000, Deduct	*-14.08*	
		For >5,000, Deduct	*-23.14*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	114.43	
		For Vinylester Resin, Add	*65.35*	
		For Epoxy Resin, Add	*7.70*	
		For Up To >10, Add	*109.92*	
		For >10 To 25, Add	*76.04*	
		For >25 To 50, Add	*50.29*	
		For >50 To 100, Add	*25.15*	
		For >500 To 1,000, Deduct	*-6.25*	
		For >1,000 To 2,000, Deduct	*-9.64*	
		For >2,000 To 5,000, Deduct	*-16.47*	
		For >5,000, Deduct	*-27.10*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	51.51	
		For Vinylester Resin, Add	*25.73*	
		For Epoxy Resin, Add	*3.03*	
		For Up To >10, Add	*62.66*	
		For >10 To 25, Add	*46.09*	
		For >25 To 50, Add	*29.49*	
		For >50 To 100, Add	*14.75*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000 To 2,000, Deduct	*-4.60*	
		For >2,000 To 5,000, Deduct	*-8.10*	
		For >5,000, Deduct	*-13.25*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	72.74	
		For Vinylester Resin, Add	*39.61*	
		For Epoxy Resin, Add	*4.67*	
		For Up To >10, Add	*76.77*	
		For >10 To 25, Add	*54.55*	
		For >25 To 50, Add	*35.56*	
		For >50 To 100, Add	*17.78*	
		For >500 To 1,000, Deduct	*-4.04*	
		For >1,000 To 2,000, Deduct	*-6.26*	
		For >2,000 To 5,000, Deduct	*-10.83*	
		For >5,000, Deduct	*-17.78*	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	94.00	
		For Vinylester Resin, Add	*53.50*	
		For Epoxy Resin, Add	*6.31*	
		For Up To >10, Add	*90.93*	
		For >10 To 25, Add	*63.03*	
		For >25 To 50, Add	*41.64*	
		For >50 To 100, Add	*20.82*	
		For >500 To 1,000, Deduct	*-5.14*	
		For >1,000 To 2,000, Deduct	*-7.93*	
		For >2,000 To 5,000, Deduct	*-13.56*	
		For >5,000, Deduct	*-22.31*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	115.37	
		For Vinylester Resin, Add	*67.38*	
		For Epoxy Resin, Add	*7.94*	
		For Up To >10, Add	*105.46*	
		For >10 To 25, Add	*71.84*	
		For >25 To 50, Add	*47.92*	
		For >50 To 100, Add	*23.96*	
		For >500 To 1,000, Deduct	*-6.25*	
		For >1,000 To 2,000, Deduct	*-9.61*	
		For >2,000 To 5,000, Deduct	*-16.33*	
		For >5,000, Deduct	*-26.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	137.18	
		For Vinylester Resin, Add	*81.27*	
		For Epoxy Resin, Add	*9.58*	
		For Up To >10, Add	*121.29*	
		For >10 To 25, Add	*81.73*	
		For >25 To 50, Add	*54.84*	
		For >50 To 100, Add	*27.42*	
		For >500 To 1,000, Deduct	*-7.39*	
		For >1,000 To 2,000, Deduct	*-11.34*	
		For >2,000 To 5,000, Deduct	*-19.20*	
		For >5,000, Deduct	*-31.65*	
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	169.75	
		For Vinylester Resin, Add	*102.10*	
		For Epoxy Resin, Add	*12.03*	
		For Up To >10, Add	*144.60*	
		For >10 To 25, Add	*96.19*	
		For >25 To 50, Add	*65.01*	
		For >50 To 100, Add	*32.50*	
		For >500 To 1,000, Deduct	*-9.08*	
		For >1,000 To 2,000, Deduct	*-13.93*	
		For >2,000 To 5,000, Deduct	*-23.48*	
		For >5,000, Deduct	*-38.73*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	202.60	
		For Vinylester Resin, Add	*122.93*	
		For Epoxy Resin, Add	*14.49*	
		For Up To >10, Add	*168.75*	
		For >10 To 25, Add	*111.36*	
		For >25 To 50, Add	*75.59*	
		For >50 To 100, Add	*37.80*	
		For >500 To 1,000, Deduct	*-10.80*	
		For >1,000 To 2,000, Deduct	*-16.54*	
		For >2,000 To 5,000, Deduct	*-27.82*	
		For >5,000, Deduct	*-45.92*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	83.36	
		For Vinylester Resin, Add	*47.04*	
		For Epoxy Resin, Add	*5.54*	
		For Up To >10, Add	*82.08*	
		For >10 To 25, Add	*57.20*	
		For >25 To 50, Add	*37.68*	
		For >50 To 100, Add	*18.84*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000 To 2,000, Deduct	*-7.06*	
		For >2,000 To 5,000, Deduct	*-12.10*	
		For >5,000, Deduct	*-19.90*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	108.58	
		For Vinylester Resin, Add	*63.71*	
		For Epoxy Resin, Add	*7.51*	
		For Up To >10, Add	*98.22*	
		For >10 To 25, Add	*66.68*	
		For >25 To 50, Add	*44.56*	
		For >50 To 100, Add	*22.28*	
		For >500 To 1,000, Deduct	*-5.87*	
		For >1,000 To 2,000, Deduct	*-9.02*	
		For >2,000 To 5,000, Deduct	*-15.31*	
		For >5,000, Deduct	*-25.23*	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	133.93	
		For Vinylester Resin, Add	*80.37*	
		For Epoxy Resin, Add	*9.47*	
		For Up To >10, Add	*114.74*	
		For >10 To 25, Add	*76.48*	
		For >25 To 50, Add	*51.63*	
		For >50 To 100, Add	*25.81*	
		For >500 To 1,000, Deduct	*-7.17*	
		For >1,000 To 2,000, Deduct	*-11.00*	
		For >2,000 To 5,000, Deduct	*-18.56*	
		For >5,000, Deduct	*-30.61*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	159.70	
		For Vinylester Resin, Add	*97.03*	
		For Epoxy Resin, Add	*11.44*	
		For Up To >10, Add	*132.55*	
		For >10 To 25, Add	*87.36*	
		For >25 To 50, Add	*59.34*	
		For >50 To 100, Add	*29.67*	
		For >500 To 1,000, Deduct	*-8.51*	
		For >1,000 To 2,000, Deduct	*-13.03*	
		For >2,000 To 5,000, Deduct	*-21.90*	
		For >5,000, Deduct	*-36.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	198.22	
		For Vinylester Resin, Add	*122.03*	
		For Epoxy Resin, Add	*14.38*	
		For Up To >10, Add	*158.84*	
		For >10 To 25, Add	*103.31*	
		For >25 To 50, Add	*70.70*	
		For >50 To 100, Add	*35.35*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000 To 2,000, Deduct	*-16.06*	
		For >2,000 To 5,000, Deduct	*-26.89*	
		For >5,000, Deduct	*-44.42*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	237.02	
		For Vinylester Resin, Add	*147.03*	
		For Epoxy Resin, Add	*17.33*	
		For Up To >10, Add	*185.96*	
		For >10 To 25, Add	*119.96*	
		For >25 To 50, Add	*82.48*	
		For >50 To 100, Add	*41.24*	
		For >500 To 1,000, Deduct	*-12.53*	
		For >1,000 To 2,000, Deduct	*-19.13*	
		For >2,000 To 5,000, Deduct	*-31.95*	
		For >5,000, Deduct	*-52.80*	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	274.97	
		For Vinylester Resin, Add	*172.02*	
		For Epoxy Resin, Add	*20.27*	
		For Up To >10, Add	*210.56*	
		For >10 To 25, Add	*134.51*	
		For >25 To 50, Add	*92.99*	
		For >50 To 100, Add	*46.50*	
		For >500 To 1,000, Deduct	*-14.48*	
		For >1,000 To 2,000, Deduct	*-22.08*	
		For >2,000 To 5,000, Deduct	*-36.80*	
		For >5,000, Deduct	*-60.84*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	313.35	
		For Vinylester Resin, Add	*197.02*	
		For Epoxy Resin, Add	*23.22*	
		For Up To >10, Add	*236.40*	
		For >10 To 25, Add	*150.09*	
		For >25 To 50, Add	*104.13*	
		For >50 To 100, Add	*52.06*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000 To 2,000, Deduct	*-25.10*	
		For >2,000 To 5,000, Deduct	*-41.75*	
		For >5,000, Deduct	*-69.05*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	226.45	
		For Vinylester Resin, Add	*141.79*	
		For Epoxy Resin, Add	*16.71*	
		For Up To >10, Add	*172.95*	
		For >10 To 25, Add	*110.37*	
		For >25 To 50, Add	*76.35*	
		For >50 To 100, Add	*38.17*	
		For >500 To 1,000, Deduct	*-11.92*	
		For >1,000 To 2,000, Deduct	*-18.18*	
		For >2,000 To 5,000, Deduct	*-30.28*	
		For >5,000, Deduct	*-50.07*	
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	271.20	
		For Vinylester Resin, Add	*170.95*	
		For Epoxy Resin, Add	*20.15*	
		For Up To >10, Add	*203.05*	
		For >10 To 25, Add	*128.51*	
		For >25 To 50, Add	*89.31*	
		For >50 To 100, Add	*44.66*	
		For >500 To 1,000, Deduct	*-14.23*	
		For >1,000 To 2,000, Deduct	*-21.69*	
		For >2,000 To 5,000, Deduct	*-36.05*	
		For >5,000, Deduct	*-59.64*	
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	315.12	
		For Vinylester Resin, Add	*200.12*	
		For Epoxy Resin, Add	*23.59*	
		For Up To >10, Add	*230.64*	
		For >10 To 25, Add	*144.55*	
		For >25 To 50, Add	*101.02*	
		For >50 To 100, Add	*50.51*	
		For >500 To 1,000, Deduct	*-16.49*	
		For >1,000 To 2,000, Deduct	*-25.10*	
		For >2,000 To 5,000, Deduct	*-41.61*	
		For >5,000, Deduct	*-68.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	359.43	
		For Vinylester Resin, Add	*229.28*	
		For Epoxy Resin, Add	*27.02*	
		For Up To >10, Add	*259.44*	
		For >10 To 25, Add	*161.61*	
		For >25 To 50, Add	*113.34*	
		For >50 To 100, Add	*56.67*	
		For >500 To 1,000, Deduct	*-18.77*	
		For >1,000 To 2,000, Deduct	*-28.55*	
		For >2,000 To 5,000, Deduct	*-47.28*	
		For >5,000, Deduct	*-78.26*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	404.33	
		For Vinylester Resin, Add	*258.44*	
		For Epoxy Resin, Add	*30.46*	
		For Up To >10, Add	*289.99*	
		For >10 To 25, Add	*180.13*	
		For >25 To 50, Add	*126.54*	
		For >50 To 100, Add	*63.27*	
		For >500 To 1,000, Deduct	*-21.09*	
		For >1,000 To 2,000, Deduct	*-32.08*	
		For >2,000 To 5,000, Deduct	*-53.09*	
		For >5,000, Deduct	*-87.89*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	449.93	
		For Vinylester Resin, Add	*287.61*	
		For Epoxy Resin, Add	*33.90*	
		For Up To >10, Add	*322.62*	
		For >10 To 25, Add	*200.37*	
		For >25 To 50, Add	*140.76*	
		For >50 To 100, Add	*70.38*	
		For >500 To 1,000, Deduct	*-23.47*	
		For >1,000 To 2,000, Deduct	*-35.70*	
		For >2,000 To 5,000, Deduct	*-59.07*	
		For >5,000, Deduct	*-97.80*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	538.17	
		For Vinylester Resin, Add	*345.93*	
		For Epoxy Resin, Add	*40.77*	
		For Up To >10, Add	*379.04*	
		For >10 To 25, Add	*233.50*	
		For >25 To 50, Add	*164.81*	
		For >50 To 100, Add	*82.40*	
		For >500 To 1,000, Deduct	*-28.01*	
		For >1,000 To 2,000, Deduct	*-42.56*	
		For >2,000 To 5,000, Deduct	*-70.30*	
		For >5,000, Deduct	*-116.43*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	254.45	
		For Vinylester Resin, Add	*161.39*	
		For Epoxy Resin, Add	*19.02*	
		For Up To >10, Add	*186.95*	
		For >10 To 25, Add	*117.37*	
		For >25 To 50, Add	*81.95*	
		For >50 To 100, Add	*40.97*	
		For >500 To 1,000, Deduct	*-13.32*	
		For >1,000 To 2,000, Deduct	*-20.28*	
		For >2,000 To 5,000, Deduct	*-33.64*	
		For >5,000, Deduct	*-55.67*	
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	305.16	
		For Vinylester Resin, Add	*194.73*	
		For Epoxy Resin, Add	*22.95*	
		For Up To >10, Add	*220.03*	
		For >10 To 25, Add	*137.00*	
		For >25 To 50, Add	*96.11*	
		For >50 To 100, Add	*48.05*	
		For >500 To 1,000, Deduct	*-15.93*	
		For >1,000 To 2,000, Deduct	*-24.24*	
		For >2,000 To 5,000, Deduct	*-40.13*	
		For >5,000, Deduct	*-66.43*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	355.02	
		For Vinylester Resin, Add	*228.05*	
		For Epoxy Resin, Add	*26.88*	
		For Up To >10, Add	*250.59*	
		For >10 To 25, Add	*154.52*	
		For >25 To 50, Add	*109.00*	
		For >50 To 100, Add	*54.50*	
		For >500 To 1,000, Deduct	*-18.48*	
		For >1,000 To 2,000, Deduct	*-28.09*	
		For >2,000 To 5,000, Deduct	*-46.40*	
		For >5,000, Deduct	*-76.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	405.29	
		For Vinylester Resin, Add	*261.38*	
		For Epoxy Resin, Add	*30.81*	
		For Up To >10, Add	*282.37*	
		For >10 To 25, Add	*173.08*	
		For >25 To 50, Add	*122.52*	
		For >50 To 100, Add	*61.26*	
		For >500 To 1,000, Deduct	*-21.06*	
		For >1,000 To 2,000, Deduct	*-31.99*	
		For >2,000 To 5,000, Deduct	*-52.78*	
		For >5,000, Deduct	*-87.44*	
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	456.14	
		For Vinylester Resin, Add	*294.71*	
		For Epoxy Resin, Add	*34.73*	
		For Up To >10, Add	*315.90*	
		For >10 To 25, Add	*193.08*	
		For >25 To 50, Add	*136.90*	
		For >50 To 100, Add	*68.45*	
		For >500 To 1,000, Deduct	*-23.69*	
		For >1,000 To 2,000, Deduct	*-35.97*	
		For >2,000 To 5,000, Deduct	*-59.30*	
		For >5,000, Deduct	*-98.25*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	507.68	
		For Vinylester Resin, Add	*328.03*	
		For Epoxy Resin, Add	*38.66*	
		For Up To >10, Add	*351.49*	
		For >10 To 25, Add	*214.81*	
		For >25 To 50, Add	*152.31*	
		For >50 To 100, Add	*76.16*	
		For >500 To 1,000, Deduct	*-26.36*	
		For >1,000 To 2,000, Deduct	*-40.03*	
		For >2,000 To 5,000, Deduct	*-66.00*	
		For >5,000, Deduct	*-109.35*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	607.83	
		For Vinylester Resin, Add	*394.70*	
		For Epoxy Resin, Add	*46.52*	
		For Up To >10, Add	*413.87*	
		For >10 To 25, Add	*250.91*	
		For >25 To 50, Add	*178.74*	
		For >50 To 100, Add	*89.37*	
		For >500 To 1,000, Deduct	*-31.49*	
		For >1,000 To 2,000, Deduct	*-47.79*	
		For >2,000 To 5,000, Deduct	*-78.66*	
		For >5,000, Deduct	*-130.36*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	709.23	
		For Vinylester Resin, Add	*461.35*	
		For Epoxy Resin, Add	*54.37*	
		For Up To >10, Add	*480.02*	
		For >10 To 25, Add	*290.17*	
		For >25 To 50, Add	*207.05*	
		For >50 To 100, Add	*103.53*	
		For >500 To 1,000, Deduct	*-36.72*	
		For >1,000 To 2,000, Deduct	*-55.70*	
		For >2,000 To 5,000, Deduct	*-91.63*	
		For >5,000, Deduct	*-151.88*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	812.88	
		For Vinylester Resin, Add	*528.00*	
		For Epoxy Resin, Add	*62.23*	
		For Up To >10, Add	*552.92*	
		For >10 To 25, Add	*335.05*	
		For >25 To 50, Add	*238.74*	
		For >50 To 100, Add	*119.37*	
		For >500 To 1,000, Deduct	*-42.11*	
		For >1,000 To 2,000, Deduct	*-63.90*	
		For >2,000 To 5,000, Deduct	*-105.16*	
		For >5,000, Deduct	*-174.29*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	282.22	
		For Vinylester Resin, Add	*180.83*	
		For Epoxy Resin, Add	*21.31*	
		For Up To >10, Add	*200.84*	
		For >10 To 25, Add	*124.31*	
		For >25 To 50, Add	*87.50*	
		For >50 To 100, Add	*43.75*	
		For >500 To 1,000, Deduct	*-14.71*	
		For >1,000 To 2,000, Deduct	*-22.36*	
		For >2,000 To 5,000, Deduct	*-36.97*	
		For >5,000, Deduct	*-61.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	338.88	
		For Vinylester Resin, Add	*218.33*	
		For Epoxy Resin, Add	*25.73*	
		For Up To >10, Add	*236.89*	
		For >10 To 25, Add	*145.43*	
		For >25 To 50, Add	*102.85*	
		For >50 To 100, Add	*51.43*	
		For >500 To 1,000, Deduct	*-17.62*	
		For >1,000 To 2,000, Deduct	*-26.77*	
		For >2,000 To 5,000, Deduct	*-44.17*	
		For >5,000, Deduct	*-73.17*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	394.69	
		For Vinylester Resin, Add	*255.82*	
		For Epoxy Resin, Add	*30.15*	
		For Up To >10, Add	*270.42*	
		For >10 To 25, Add	*164.44*	
		For >25 To 50, Add	*116.94*	
		For >50 To 100, Add	*58.47*	
		For >500 To 1,000, Deduct	*-20.47*	
		For >1,000 To 2,000, Deduct	*-31.06*	
		For >2,000 To 5,000, Deduct	*-51.16*	
		For >5,000, Deduct	*-84.78*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	450.91	
		For Vinylester Resin, Add	*293.31*	
		For Epoxy Resin, Add	*34.57*	
		For Up To >10, Add	*305.18*	
		For >10 To 25, Add	*184.48*	
		For >25 To 50, Add	*131.64*	
		For >50 To 100, Add	*65.82*	
		For >500 To 1,000, Deduct	*-23.34*	
		For >1,000 To 2,000, Deduct	*-35.41*	
		For >2,000 To 5,000, Deduct	*-58.25*	
		For >5,000, Deduct	*-96.56*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	507.72	
		For Vinylester Resin, Add	*330.81*	
		For Epoxy Resin, Add	*38.99*	
		For Up To >10, Add	*341.69*	
		For >10 To 25, Add	*205.97*	
		For >25 To 50, Add	*147.21*	
		For >50 To 100, Add	*73.61*	
		For >500 To 1,000, Deduct	*-26.26*	
		For >1,000 To 2,000, Deduct	*-39.84*	
		For >2,000 To 5,000, Deduct	*-65.49*	
		For >5,000, Deduct	*-108.57*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	565.21	
		For Vinylester Resin, Add	*368.31*	
		For Epoxy Resin, Add	*43.41*	
		For Up To >10, Add	*380.26*	
		For >10 To 25, Add	*229.19*	
		For >25 To 50, Add	*163.82*	
		For >50 To 100, Add	*81.91*	
		For >500 To 1,000, Deduct	*-29.24*	
		For >1,000 To 2,000, Deduct	*-44.34*	
		For >2,000 To 5,000, Deduct	*-72.90*	
		For >5,000, Deduct	*-120.85*	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	677.26	
		For Vinylester Resin, Add	*443.30*	
		For Epoxy Resin, Add	*52.25*	
		For Up To >10, Add	*448.58*	
		For >10 To 25, Add	*268.27*	
		For >25 To 50, Add	*192.63*	
		For >50 To 100, Add	*96.31*	
		For >500 To 1,000, Deduct	*-34.96*	
		For >1,000 To 2,000, Deduct	*-52.99*	
		For >2,000 To 5,000, Deduct	*-86.99*	
		For >5,000, Deduct	*-144.25*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	790.56	
		For Vinylester Resin, Add	*518.28*	
		For Epoxy Resin, Add	*61.08*	
		For Up To >10, Add	*520.68*	
		For >10 To 25, Add	*310.50*	
		For >25 To 50, Add	*223.32*	
		For >50 To 100, Add	*111.66*	
		For >500 To 1,000, Deduct	*-40.78*	
		For >1,000 To 2,000, Deduct	*-61.80*	
		For >2,000 To 5,000, Deduct	*-101.39*	
		For >5,000, Deduct	*-168.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	906.12	
		For Vinylester Resin, Add	*593.27*	
		For Epoxy Resin, Add	*69.92*	
		For Up To >10, Add	*599.54*	
		For >10 To 25, Add	*358.36*	
		For >25 To 50, Add	*257.39*	
		For >50 To 100, Add	*128.70*	
		For >500 To 1,000, Deduct	*-46.77*	
		For >1,000 To 2,000, Deduct	*-70.89*	
		For >2,000 To 5,000, Deduct	*-116.35*	
		For >5,000, Deduct	*-192.94*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	309.75	
		For Vinylester Resin, Add	*200.10*	
		For Epoxy Resin, Add	*23.58*	
		For Up To >10, Add	*214.60*	
		For >10 To 25, Add	*131.19*	
		For >25 To 50, Add	*93.01*	
		For >50 To 100, Add	*46.50*	
		For >500 To 1,000, Deduct	*-16.08*	
		For >1,000 To 2,000, Deduct	*-24.43*	
		For >2,000 To 5,000, Deduct	*-40.28*	
		For >5,000, Deduct	*-66.73*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	372.36	
		For Vinylester Resin, Add	*241.77*	
		For Epoxy Resin, Add	*28.49*	
		For Up To >10, Add	*253.63*	
		For >10 To 25, Add	*153.80*	
		For >25 To 50, Add	*109.55*	
		For >50 To 100, Add	*54.77*	
		For >500 To 1,000, Deduct	*-19.29*	
		For >1,000 To 2,000, Deduct	*-29.28*	
		For >2,000 To 5,000, Deduct	*-48.19*	
		For >5,000, Deduct	*-79.87*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	434.12	
		For Vinylester Resin, Add	*283.42*	
		For Epoxy Resin, Add	*33.40*	
		For Up To >10, Add	*290.14*	
		For >10 To 25, Add	*174.30*	
		For >25 To 50, Add	*124.82*	
		For >50 To 100, Add	*62.41*	
		For >500 To 1,000, Deduct	*-22.44*	
		For >1,000 To 2,000, Deduct	*-34.02*	
		For >2,000 To 5,000, Deduct	*-55.89*	
		For >5,000, Deduct	*-92.67*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	496.30	
		For Vinylester Resin, Add	*325.09*	
		For Epoxy Resin, Add	*38.31*	
		For Up To >10, Add	*327.88*	
		For >10 To 25, Add	*195.83*	
		For >25 To 50, Add	*140.72*	
		For >50 To 100, Add	*70.36*	
		For >500 To 1,000, Deduct	*-25.61*	
		For >1,000 To 2,000, Deduct	*-38.82*	
		For >2,000 To 5,000, Deduct	*-63.70*	
		For >5,000, Deduct	*-105.64*	
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	559.05	
		For Vinylester Resin, Add	*366.74*	
		For Epoxy Resin, Add	*43.22*	
		For Up To >10, Add	*367.35*	
		For >10 To 25, Add	*218.81*	
		For >25 To 50, Add	*157.48*	
		For >50 To 100, Add	*78.74*	
		For >500 To 1,000, Deduct	*-28.83*	
		For >1,000 To 2,000, Deduct	*-43.69*	
		For >2,000 To 5,000, Deduct	*-71.65*	
		For >5,000, Deduct	*-118.84*	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	622.50	
		For Vinylester Resin, Add	*408.41*	
		For Epoxy Resin, Add	*48.13*	
		For Up To >10, Add	*408.90*	
		For >10 To 25, Add	*243.51*	
		For >25 To 50, Add	*175.28*	
		For >50 To 100, Add	*87.64*	
		For >500 To 1,000, Deduct	*-32.10*	
		For >1,000 To 2,000, Deduct	*-48.64*	
		For >2,000 To 5,000, Deduct	*-79.78*	
		For >5,000, Deduct	*-132.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	746.45	
		For Vinylester Resin, Add	*491.73*	
		For Epoxy Resin, Add	*57.95*	
		For Up To >10, Add	*483.18*	
		For >10 To 25, Add	*285.57*	
		For >25 To 50, Add	*206.46*	
		For >50 To 100, Add	*103.23*	
		For >500 To 1,000, Deduct	*-38.42*	
		For >1,000 To 2,000, Deduct	*-58.18*	
		For >2,000 To 5,000, Deduct	*-95.29*	
		For >5,000, Deduct	*-158.09*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	871.66	
		For Vinylester Resin, Add	*575.05*	
		For Epoxy Resin, Add	*67.77*	
		For Up To >10, Add	*561.23*	
		For >10 To 25, Add	*330.78*	
		For >25 To 50, Add	*239.54*	
		For >50 To 100, Add	*119.77*	
		For >500 To 1,000, Deduct	*-44.84*	
		For >1,000 To 2,000, Deduct	*-67.88*	
		For >2,000 To 5,000, Deduct	*-111.12*	
		For >5,000, Deduct	*-184.36*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	999.12	
		For Vinylester Resin, Add	*658.37*	
		For Epoxy Resin, Add	*77.59*	
		For Up To >10, Add	*646.04*	
		For >10 To 25, Add	*381.61*	
		For >25 To 50, Add	*275.99*	
		For >50 To 100, Add	*138.00*	
		For >500 To 1,000, Deduct	*-51.42*	
		For >1,000 To 2,000, Deduct	*-77.86*	
		For >2,000 To 5,000, Deduct	*-127.51*	
		For >5,000, Deduct	*-211.54*	
33 01 30 72-0084		16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	405.60	
		For Vinylester Resin, Add	*265.03*	
		For Epoxy Resin, Add	*31.24*	
		For Up To >10, Add	*270.25*	
		For >10 To 25, Add	*162.11*	
		For >25 To 50, Add	*116.19*	
		For >50 To 100, Add	*58.10*	
		For >500 To 1,000, Deduct	*-20.95*	
		For >1,000 To 2,000, Deduct	*-31.77*	
		For >2,000 To 5,000, Deduct	*-52.18*	
		For >5,000, Deduct	*-86.52*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	473.32	
		For Vinylester Resin, Add	*310.86*	
		For Epoxy Resin, Add	*36.64*	
		For Up To >10, Add	*309.74*	
		For >10 To 25, Add	*184.10*	
		For >25 To 50, Add	*132.66*	
		For >50 To 100, Add	*66.33*	
		For >500 To 1,000, Deduct	*-24.40*	
		For >1,000 To 2,000, Deduct	*-36.96*	
		For >2,000 To 5,000, Deduct	*-60.60*	
		For >5,000, Deduct	*-100.51*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	541.45	
		For Vinylester Resin, Add	*356.69*	
		For Epoxy Resin, Add	*42.04*	
		For Up To >10, Add	*350.45*	
		For >10 To 25, Add	*207.12*	
		For >25 To 50, Add	*149.75*	
		For >50 To 100, Add	*74.87*	
		For >500 To 1,000, Deduct	*-27.87*	
		For >1,000 To 2,000, Deduct	*-42.20*	
		For >2,000 To 5,000, Deduct	*-69.12*	
		For >5,000, Deduct	*-114.67*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	610.16	
		For Vinylester Resin, Add	*402.52*	
		For Epoxy Resin, Add	*47.44*	
		For Up To >10, Add	*392.91*	
		For >10 To 25, Add	*231.58*	
		For >25 To 50, Add	*167.70*	
		For >50 To 100, Add	*83.85*	
		For >500 To 1,000, Deduct	*-31.39*	
		For >1,000 To 2,000, Deduct	*-47.52*	
		For >2,000 To 5,000, Deduct	*-77.79*	
		For >5,000, Deduct	*-129.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	679.55	
		For Vinylester Resin, Add	*448.34*	
		For Epoxy Resin, Add	*52.84*	
		For Up To >10, Add	*437.43*	
		For >10 To 25, Add	*257.77*	
		For >25 To 50, Add	*186.69*	
		For >50 To 100, Add	*93.34*	
		For >500 To 1,000, Deduct	*-34.95*	
		For >1,000 To 2,000, Deduct	*-52.92*	
		For >2,000 To 5,000, Deduct	*-86.62*	
		For >5,000, Deduct	*-143.72*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	815.41	
		For Vinylester Resin, Add	*540.00*	
		For Epoxy Resin, Add	*63.64*	
		For Up To >10, Add	*517.66*	
		For >10 To 25, Add	*302.81*	
		For >25 To 50, Add	*220.26*	
		For >50 To 100, Add	*110.13*	
		For >500 To 1,000, Deduct	*-41.87*	
		For >1,000 To 2,000, Deduct	*-63.35*	
		For >2,000 To 5,000, Deduct	*-103.57*	
		For >5,000, Deduct	*-171.88*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	952.52	
		For Vinylester Resin, Add	*631.65*	
		For Epoxy Resin, Add	*74.44*	
		For Up To >10, Add	*601.66*	
		For >10 To 25, Add	*350.99*	
		For >25 To 50, Add	*255.71*	
		For >50 To 100, Add	*127.86*	
		For >500 To 1,000, Deduct	*-48.88*	
		For >1,000 To 2,000, Deduct	*-73.95*	
		For >2,000 To 5,000, Deduct	*-120.82*	
		For >5,000, Deduct	*-200.54*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,091.88	
		For Vinylester Resin, Add	*723.30*	
		For Epoxy Resin, Add	*85.25*	
		For Up To >10, Add	*692.42*	
		For >10 To 25, Add	*404.80*	
		For >25 To 50, Add	*294.54*	
		For >50 To 100, Add	*147.27*	
		For >500 To 1,000, Deduct	*-56.06*	
		For >1,000 To 2,000, Deduct	*-84.82*	
		For >2,000 To 5,000, Deduct	*-138.64*	
		For >5,000, Deduct	*-230.09*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,230.27	
		For Vinylester Resin, Add	*814.96*	
		For Epoxy Resin, Add	*96.05*	
		For Up To >10, Add	*780.24*	
		For >10 To 25, Add	*456.16*	
		For >25 To 50, Add	*331.91*	
		For >50 To 100, Add	*165.95*	
		For >500 To 1,000, Deduct	*-63.16*	
		For >1,000 To 2,000, Deduct	*-95.57*	
		For >2,000 To 5,000, Deduct	*-156.22*	
		For >5,000, Deduct	*-259.26*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	439.32	
		For Vinylester Resin, Add	*288.15*	
		For Epoxy Resin, Add	*33.96*	
		For Up To >10, Add	*288.86*	
		For >10 To 25, Add	*172.11*	
		For >25 To 50, Add	*123.85*	
		For >50 To 100, Add	*61.92*	
		For >500 To 1,000, Deduct	*-22.66*	
		For >1,000 To 2,000, Deduct	*-34.33*	
		For >2,000 To 5,000, Deduct	*-56.32*	
		For >5,000, Deduct	*-93.40*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	513.13	
		For Vinylester Resin, Add	*338.14*	
		For Epoxy Resin, Add	*39.85*	
		For Up To >10, Add	*331.74*	
		For >10 To 25, Add	*195.94*	
		For >25 To 50, Add	*141.72*	
		For >50 To 100, Add	*70.86*	
		For >500 To 1,000, Deduct	*-26.41*	
		For >1,000 To 2,000, Deduct	*-39.99*	
		For >2,000 To 5,000, Deduct	*-65.48*	
		For >5,000, Deduct	*-108.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	587.22	
		For Vinylester Resin, Add	*388.14*	
		For Epoxy Resin, Add	*45.74*	
		For Up To >10, Add	*375.46*	
		For >10 To 25, Add	*220.47*	
		For >25 To 50, Add	*160.01*	
		For >50 To 100, Add	*80.00*	
		For >500 To 1,000, Deduct	*-30.18*	
		For >1,000 To 2,000, Deduct	*-45.68*	
		For >2,000 To 5,000, Deduct	*-74.72*	
		For >5,000, Deduct	*-123.99*	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	662.01	
		For Vinylester Resin, Add	*438.13*	
		For Epoxy Resin, Add	*51.64*	
		For Up To >10, Add	*421.28*	
		For >10 To 25, Add	*246.75*	
		For >25 To 50, Add	*179.35*	
		For >50 To 100, Add	*89.67*	
		For >500 To 1,000, Deduct	*-34.00*	
		For >1,000 To 2,000, Deduct	*-51.46*	
		For >2,000 To 5,000, Deduct	*-84.14*	
		For >5,000, Deduct	*-139.62*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	737.36	
		For Vinylester Resin, Add	*488.12*	
		For Epoxy Resin, Add	*57.53*	
		For Up To >10, Add	*468.81*	
		For >10 To 25, Add	*274.45*	
		For >25 To 50, Add	*199.54*	
		For >50 To 100, Add	*99.77*	
		For >500 To 1,000, Deduct	*-37.87*	
		For >1,000 To 2,000, Deduct	*-57.30*	
		For >2,000 To 5,000, Deduct	*-93.69*	
		For >5,000, Deduct	*-155.48*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	886.24	
		For Vinylester Resin, Add	*588.11*	
		For Epoxy Resin, Add	*69.31*	
		For Up To >10, Add	*558.35*	
		For >10 To 25, Add	*325.26*	
		For >25 To 50, Add	*237.17*	
		For >50 To 100, Add	*118.58*	
		For >500 To 1,000, Deduct	*-45.46*	
		For >1,000 To 2,000, Deduct	*-68.77*	
		For >2,000 To 5,000, Deduct	*-112.34*	
		For >5,000, Deduct	*-186.47*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,035.69	
		For Vinylester Resin, Add	*688.09*	
		For Epoxy Resin, Add	*81.10*	
		For Up To >10, Add	*649.60*	
		For >10 To 25, Add	*377.50*	
		For >25 To 50, Add	*275.65*	
		For >50 To 100, Add	*137.82*	
		For >500 To 1,000, Deduct	*-53.10*	
		For >1,000 To 2,000, Deduct	*-80.31*	
		For >2,000 To 5,000, Deduct	*-131.13*	
		For >5,000, Deduct	*-217.68*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,187.36	
		For Vinylester Resin, Add	*788.07*	
		For Epoxy Resin, Add	*92.88*	
		For Up To >10, Add	*747.53*	
		For >10 To 25, Add	*435.31*	
		For >25 To 50, Add	*317.47*	
		For >50 To 100, Add	*158.74*	
		For >500 To 1,000, Deduct	*-60.91*	
		For >1,000 To 2,000, Deduct	*-92.13*	
		For >2,000 To 5,000, Deduct	*-150.48*	
		For >5,000, Deduct	*-249.78*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,338.08	
		For Vinylester Resin, Add	*888.06*	
		For Epoxy Resin, Add	*104.66*	
		For Up To >10, Add	*842.59*	
		For >10 To 25, Add	*490.72*	
		For >25 To 50, Add	*357.86*	
		For >50 To 100, Add	*178.93*	
		For >500 To 1,000, Deduct	*-68.64*	
		For >1,000 To 2,000, Deduct	*-103.83*	
		For >2,000 To 5,000, Deduct	*-169.59*	
		For >5,000, Deduct	*-281.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,488.64	
		For Vinylester Resin, Add	*988.05*	
		For Epoxy Resin, Add	*116.45*	
		For Up To >10, Add	*937.17*	
		For >10 To 25, Add	*545.73*	
		For >25 To 50, Add	*398.01*	
		For >50 To 100, Add	*199.01*	
		For >500 To 1,000, Deduct	*-76.36*	
		For >1,000 To 2,000, Deduct	*-115.51*	
		For >2,000 To 5,000, Deduct	*-188.67*	
		For >5,000, Deduct	*-313.16*	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,639.77	
		For Vinylester Resin, Add	*1,088.04*	
		For Epoxy Resin, Add	*128.23*	
		For Up To >10, Add	*1,033.46*	
		For >10 To 25, Add	*602.16*	
		For >25 To 50, Add	*439.01*	
		For >50 To 100, Add	*219.51*	
		For >500 To 1,000, Deduct	*-84.12*	
		For >1,000 To 2,000, Deduct	*-127.25*	
		For >2,000 To 5,000, Deduct	*-207.88*	
		For >5,000, Deduct	*-345.04*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,790.48	
		For Vinylester Resin, Add	*1,188.02*	
		For Epoxy Resin, Add	*140.02*	
		For Up To >10, Add	*1,128.52*	
		For >10 To 25, Add	*657.57*	
		For >25 To 50, Add	*479.40*	
		For >50 To 100, Add	*239.70*	
		For >500 To 1,000, Deduct	*-91.86*	
		For >1,000 To 2,000, Deduct	*-138.95*	
		For >2,000 To 5,000, Deduct	*-226.99*	
		For >5,000, Deduct	*-376.76*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	473.23	
		For Vinylester Resin, Add	*311.09*	
		For Epoxy Resin, Add	*36.66*	
		For Up To >10, Add	*308.64*	
		For >10 To 25, Add	*183.13*	
		For >25 To 50, Add	*132.10*	
		For >50 To 100, Add	*66.05*	
		For >500 To 1,000, Deduct	*-24.38*	
		For >1,000 To 2,000, Deduct	*-36.93*	
		For >2,000 To 5,000, Deduct	*-60.53*	
		For >5,000, Deduct	*-100.41*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	552.99	
		For Vinylester Resin, Add	*365.25*	
		For Epoxy Resin, Add	*43.05*	
		For Up To >10, Add	*354.50*	
		For >10 To 25, Add	*208.45*	
		For >25 To 50, Add	*151.16*	
		For >50 To 100, Add	*75.58*	
		For >500 To 1,000, Deduct	*-28.43*	
		For >1,000 To 2,000, Deduct	*-43.03*	
		For >2,000 To 5,000, Deduct	*-70.41*	
		For >5,000, Deduct	*-116.84*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	633.17	
		For Vinylester Resin, Add	*419.41*	
		For Epoxy Resin, Add	*49.43*	
		For Up To >10, Add	*401.61*	
		For >10 To 25, Add	*234.82*	
		For >25 To 50, Add	*170.85*	
		For >50 To 100, Add	*85.42*	
		For >500 To 1,000, Deduct	*-32.51*	
		For >1,000 To 2,000, Deduct	*-49.19*	
		For >2,000 To 5,000, Deduct	*-80.40*	
		For >5,000, Deduct	*-133.44*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	713.63	
		For Vinylester Resin, Add	*473.57*	
		For Epoxy Resin, Add	*55.81*	
		For Up To >10, Add	*449.57*	
		For >10 To 25, Add	*261.88*	
		For >25 To 50, Add	*190.96*	
		For >50 To 100, Add	*95.48*	
		For >500 To 1,000, Deduct	*-36.61*	
		For >1,000 To 2,000, Deduct	*-55.38*	
		For >2,000 To 5,000, Deduct	*-90.46*	
		For >5,000, Deduct	*-150.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	795.22	
		For Vinylester Resin, Add	*527.73*	
		For Epoxy Resin, Add	*62.20*	
		For Up To >10, Add	*500.91*	
		For >10 To 25, Add	*291.78*	
		For >25 To 50, Add	*212.76*	
		For >50 To 100, Add	*106.38*	
		For >500 To 1,000, Deduct	*-40.79*	
		For >1,000 To 2,000, Deduct	*-61.71*	
		For >2,000 To 5,000, Deduct	*-100.80*	
		For >5,000, Deduct	*-167.31*	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	957.25	
		For Vinylester Resin, Add	*636.05*	
		For Epoxy Resin, Add	*74.96*	
		For Up To >10, Add	*600.15*	
		For >10 To 25, Add	*348.69*	
		For >25 To 50, Add	*254.64*	
		For >50 To 100, Add	*127.32*	
		For >500 To 1,000, Deduct	*-49.08*	
		For >1,000 To 2,000, Deduct	*-74.22*	
		For >2,000 To 5,000, Deduct	*-121.19*	
		For >5,000, Deduct	*-201.17*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,119.73	
		For Vinylester Resin, Add	*744.37*	
		For Epoxy Resin, Add	*87.73*	
		For Up To >10, Add	*700.74*	
		For >10 To 25, Add	*406.72*	
		For >25 To 50, Add	*297.20*	
		For >50 To 100, Add	*148.60*	
		For >500 To 1,000, Deduct	*-57.40*	
		For >1,000 To 2,000, Deduct	*-86.80*	
		For >2,000 To 5,000, Deduct	*-141.69*	
		For >5,000, Deduct	*-235.22*	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,283.18	
		For Vinylester Resin, Add	*852.68*	
		For Epoxy Resin, Add	*100.49*	
		For Up To >10, Add	*804.24*	
		For >10 To 25, Add	*467.18*	
		For >25 To 50, Add	*341.21*	
		For >50 To 100, Add	*170.61*	
		For >500 To 1,000, Deduct	*-65.79*	
		For >1,000 To 2,000, Deduct	*-99.49*	
		For >2,000 To 5,000, Deduct	*-162.44*	
		For >5,000, Deduct	*-269.65*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,446.21	
		For Vinylester Resin, Add	*961.00*	
		For Epoxy Resin, Add	*113.26*	
		For Up To >10, Add	*906.48*	
		For >10 To 25, Add	*526.59*	
		For >25 To 50, Add	*384.60*	
		For >50 To 100, Add	*192.30*	
		For >500 To 1,000, Deduct	*-74.14*	
		For >1,000 To 2,000, Deduct	*-112.13*	
		For >2,000 To 5,000, Deduct	*-183.08*	
		For >5,000, Deduct	*-303.91*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,609.24	
		For Vinylester Resin, Add	*1,069.32*	
		For Epoxy Resin, Add	*126.03*	
		For Up To >10, Add	*1,008.72*	
		For >10 To 25, Add	*586.00*	
		For >25 To 50, Add	*427.98*	
		For >50 To 100, Add	*213.99*	
		For >500 To 1,000, Deduct	*-82.50*	
		For >1,000 To 2,000, Deduct	*-124.78*	
		For >2,000 To 5,000, Deduct	*-203.72*	
		For >5,000, Deduct	*-338.18*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,773.96	
		For Vinylester Resin, Add	*1,177.64*	
		For Epoxy Resin, Add	*138.79*	
		For Up To >10, Add	*1,116.03*	
		For >10 To 25, Add	*649.64*	
		For >25 To 50, Add	*473.90*	
		For >50 To 100, Add	*236.95*	
		For >500 To 1,000, Deduct	*-90.99*	
		For >1,000 To 2,000, Deduct	*-137.63*	
		For >2,000 To 5,000, Deduct	*-224.79*	
		For >5,000, Deduct	*-373.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,937.12	
		For Vinylester Resin, Add	*1,285.95*	
		For Epoxy Resin, Add	*151.56*	
		For Up To >10, Add	*1,218.69*	
		For >10 To 25, Add	*709.39*	
		For >25 To 50, Add	*517.49*	
		For >50 To 100, Add	*258.74*	
		For >500 To 1,000, Deduct	*-99.36*	
		For >1,000 To 2,000, Deduct	*-150.29*	
		For >2,000 To 5,000, Deduct	*-245.46*	
		For >5,000, Deduct	*-407.43*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	506.75	
		For Vinylester Resin, Add	*333.87*	
		For Epoxy Resin, Add	*39.35*	
		For Up To >10, Add	*327.85*	
		For >10 To 25, Add	*193.72*	
		For >25 To 50, Add	*140.08*	
		For >50 To 100, Add	*70.04*	
		For >500 To 1,000, Deduct	*-26.08*	
		For >1,000 To 2,000, Deduct	*-39.50*	
		For >2,000 To 5,000, Deduct	*-64.68*	
		For >5,000, Deduct	*-107.31*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	592.61	
		For Vinylester Resin, Add	*392.20*	
		For Epoxy Resin, Add	*46.22*	
		For Up To >10, Add	*377.11*	
		For >10 To 25, Add	*220.87*	
		For >25 To 50, Add	*160.54*	
		For >50 To 100, Add	*80.27*	
		For >500 To 1,000, Deduct	*-30.44*	
		For >1,000 To 2,000, Deduct	*-46.06*	
		For >2,000 To 5,000, Deduct	*-75.31*	
		For >5,000, Deduct	*-124.99*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	678.88	
		For Vinylester Resin, Add	*450.53*	
		For Epoxy Resin, Add	*53.10*	
		For Up To >10, Add	*427.62*	
		For >10 To 25, Add	*249.08*	
		For >25 To 50, Add	*181.63*	
		For >50 To 100, Add	*90.81*	
		For >500 To 1,000, Deduct	*-34.83*	
		For >1,000 To 2,000, Deduct	*-52.68*	
		For >2,000 To 5,000, Deduct	*-86.05*	
		For >5,000, Deduct	*-142.83*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	765.01	
		For Vinylester Resin, Add	*508.85*	
		For Epoxy Resin, Add	*59.97*	
		For Up To >10, Add	*477.71*	
		For >10 To 25, Add	*276.93*	
		For >25 To 50, Add	*202.51*	
		For >50 To 100, Add	*101.25*	
		For >500 To 1,000, Deduct	*-39.20*	
		For >1,000 To 2,000, Deduct	*-59.28*	
		For >2,000 To 5,000, Deduct	*-96.75*	
		For >5,000, Deduct	*-160.62*	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	852.69	
		For Vinylester Resin, Add	*567.18*	
		For Epoxy Resin, Add	*66.85*	
		For Up To >10, Add	*532.45*	
		For >10 To 25, Add	*308.66*	
		For >25 To 50, Add	*225.71*	
		For >50 To 100, Add	*112.86*	
		For >500 To 1,000, Deduct	*-43.70*	
		For >1,000 To 2,000, Deduct	*-66.07*	
		For >2,000 To 5,000, Deduct	*-107.84*	
		For >5,000, Deduct	*-179.03*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,028.05	
		For Vinylester Resin, Add	*683.83*	
		For Epoxy Resin, Add	*80.59*	
		For Up To >10, Add	*641.90*	
		For >10 To 25, Add	*372.10*	
		For >25 To 50, Add	*272.11*	
		For >50 To 100, Add	*136.05*	
		For >500 To 1,000, Deduct	*-52.68*	
		For >1,000 To 2,000, Deduct	*-79.66*	
		For >2,000 To 5,000, Deduct	*-130.02*	
		For >5,000, Deduct	*-215.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,203.41	
		For Vinylester Resin, Add	*800.48*	
		For Epoxy Resin, Add	*94.34*	
		For Up To >10, Add	*751.38*	
		For >10 To 25, Add	*435.56*	
		For >25 To 50, Add	*318.51*	
		For >50 To 100, Add	*159.26*	
		For >500 To 1,000, Deduct	*-61.67*	
		For >1,000 To 2,000, Deduct	*-93.25*	
		For >2,000 To 5,000, Deduct	*-152.19*	
		For >5,000, Deduct	*-252.66*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,378.75	
		For Vinylester Resin, Add	*917.13*	
		For Epoxy Resin, Add	*108.09*	
		For Up To >10, Add	*860.80*	
		For >10 To 25, Add	*498.97*	
		For >25 To 50, Add	*364.89*	
		For >50 To 100, Add	*182.45*	
		For >500 To 1,000, Deduct	*-70.65*	
		For >1,000 To 2,000, Deduct	*-106.83*	
		For >2,000 To 5,000, Deduct	*-174.36*	
		For >5,000, Deduct	*-289.46*	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,554.10	
		For Vinylester Resin, Add	*1,033.77*	
		For Epoxy Resin, Add	*121.84*	
		For Up To >10, Add	*970.25*	
		For >10 To 25, Add	*562.41*	
		For >25 To 50, Add	*411.28*	
		For >50 To 100, Add	*205.64*	
		For >500 To 1,000, Deduct	*-79.64*	
		For >1,000 To 2,000, Deduct	*-120.42*	
		For >2,000 To 5,000, Deduct	*-196.54*	
		For >5,000, Deduct	*-326.28*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,729.46	
		For Vinylester Resin, Add	*1,150.42*	
		For Epoxy Resin, Add	*135.59*	
		For Up To >10, Add	*1,079.73*	
		For >10 To 25, Add	*625.87*	
		For >25 To 50, Add	*457.69*	
		For >50 To 100, Add	*228.85*	
		For >500 To 1,000, Deduct	*-88.62*	
		For >1,000 To 2,000, Deduct	*-134.01*	
		For >2,000 To 5,000, Deduct	*-218.72*	
		For >5,000, Deduct	*-363.09*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,907.92	
		For Vinylester Resin, Add	*1,267.08*	
		For Epoxy Resin, Add	*149.33*	
		For Up To >10, Add	*1,198.49*	
		For >10 To 25, Add	*697.05*	
		For >25 To 50, Add	*508.74*	
		For >50 To 100, Add	*254.37*	
		For >500 To 1,000, Deduct	*-97.84*	
		For >1,000 To 2,000, Deduct	*-147.98*	
		For >2,000 To 5,000, Deduct	*-241.67*	
		For >5,000, Deduct	*-401.15*	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,083.55	
		For Vinylester Resin, Add	*1,383.73*	
		For Epoxy Resin, Add	*163.08*	
		For Up To >10, Add	*1,308.75*	
		For >10 To 25, Add	*761.17*	
		For >25 To 50, Add	*555.54*	
		For >50 To 100, Add	*277.77*	
		For >500 To 1,000, Deduct	*-106.85*	
		For >1,000 To 2,000, Deduct	*-161.61*	
		For >2,000 To 5,000, Deduct	*-263.91*	
		For >5,000, Deduct	*-438.07*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	539.91	
		For Vinylester Resin, Add	*356.50*	
		For Epoxy Resin, Add	*42.02*	
		For Up To >10, Add	*346.53*	
		For >10 To 25, Add	*203.90*	
		For >25 To 50, Add	*147.80*	
		For >50 To 100, Add	*73.90*	
		For >500 To 1,000, Deduct	*-27.76*	
		For >1,000 To 2,000, Deduct	*-42.02*	
		For >2,000 To 5,000, Deduct	*-68.77*	
		For >5,000, Deduct	*-114.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	631.71	
		For Vinylester Resin, Add	*418.99*	
		For Epoxy Resin, Add	*49.38*	
		For Up To >10, Add	*398.76*	
		For >10 To 25, Add	*232.54*	
		For >25 To 50, Add	*169.45*	
		For >50 To 100, Add	*84.73*	
		For >500 To 1,000, Deduct	*-32.41*	
		For >1,000 To 2,000, Deduct	*-49.04*	
		For >2,000 To 5,000, Deduct	*-80.12*	
		For >5,000, Deduct	*-132.97*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	724.36	
		For Vinylester Resin, Add	*481.48*	
		For Epoxy Resin, Add	*56.75*	
		For Up To >10, Add	*453.51*	
		For >10 To 25, Add	*263.28*	
		For >25 To 50, Add	*192.36*	
		For >50 To 100, Add	*96.18*	
		For >500 To 1,000, Deduct	*-37.13*	
		For >1,000 To 2,000, Deduct	*-56.15*	
		For >2,000 To 5,000, Deduct	*-91.67*	
		For >5,000, Deduct	*-152.18*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	817.43	
		For Vinylester Resin, Add	*543.97*	
		For Epoxy Resin, Add	*64.11*	
		For Up To >10, Add	*509.54*	
		For >10 To 25, Add	*295.10*	
		For >25 To 50, Add	*215.92*	
		For >50 To 100, Add	*107.96*	
		For >500 To 1,000, Deduct	*-41.88*	
		For >1,000 To 2,000, Deduct	*-63.32*	
		For >2,000 To 5,000, Deduct	*-103.33*	
		For >5,000, Deduct	*-171.55*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	911.34	
		For Vinylester Resin, Add	*606.46*	
		For Epoxy Resin, Add	*71.48*	
		For Up To >10, Add	*568.10*	
		For >10 To 25, Add	*329.02*	
		For >25 To 50, Add	*240.73*	
		For >50 To 100, Add	*120.36*	
		For >500 To 1,000, Deduct	*-46.69*	
		For >1,000 To 2,000, Deduct	*-70.60*	
		For >2,000 To 5,000, Deduct	*-115.21*	
		For >5,000, Deduct	*-191.26*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,099.15	
		For Vinylester Resin, Add	*731.44*	
		For Epoxy Resin, Add	*86.21*	
		For Up To >10, Add	*685.18*	
		For >10 To 25, Add	*396.83*	
		For >25 To 50, Add	*290.34*	
		For >50 To 100, Add	*145.17*	
		For >500 To 1,000, Deduct	*-56.31*	
		For >1,000 To 2,000, Deduct	*-85.15*	
		For >2,000 To 5,000, Deduct	*-138.95*	
		For >5,000, Deduct	*-230.68*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,286.98	
		For Vinylester Resin, Add	*856.42*	
		For Epoxy Resin, Add	*100.94*	
		For Up To >10, Add	*802.29*	
		For >10 To 25, Add	*464.67*	
		For >25 To 50, Add	*339.97*	
		For >50 To 100, Add	*169.99*	
		For >500 To 1,000, Deduct	*-65.94*	
		For >1,000 To 2,000, Deduct	*-99.70*	
		For >2,000 To 5,000, Deduct	*-162.70*	
		For >5,000, Deduct	*-270.10*	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,474.80	
		For Vinylester Resin, Add	*981.41*	
		For Epoxy Resin, Add	*115.67*	
		For Up To >10, Add	*919.38*	
		For >10 To 25, Add	*532.48*	
		For >25 To 50, Add	*389.59*	
		For >50 To 100, Add	*194.79*	
		For >500 To 1,000, Deduct	*-75.56*	
		For >1,000 To 2,000, Deduct	*-114.25*	
		For >2,000 To 5,000, Deduct	*-186.44*	
		For >5,000, Deduct	*-309.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,662.62	
		For Vinylester Resin, Add	*1,106.39*	
		For Epoxy Resin, Add	*130.40*	
		For Up To >10, Add	*1,036.49*	
		For >10 To 25, Add	*600.31*	
		For >25 To 50, Add	*439.22*	
		For >50 To 100, Add	*219.61*	
		For >500 To 1,000, Deduct	*-85.18*	
		For >1,000 To 2,000, Deduct	*-128.80*	
		For >2,000 To 5,000, Deduct	*-210.18*	
		For >5,000, Deduct	*-348.94*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,850.44	
		For Vinylester Resin, Add	*1,231.37*	
		For Epoxy Resin, Add	*145.13*	
		For Up To >10, Add	*1,153.57*	
		For >10 To 25, Add	*668.13*	
		For >25 To 50, Add	*488.83*	
		For >50 To 100, Add	*244.42*	
		For >500 To 1,000, Deduct	*-94.81*	
		For >1,000 To 2,000, Deduct	*-143.35*	
		For >2,000 To 5,000, Deduct	*-233.93*	
		For >5,000, Deduct	*-388.36*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,041.49	
		For Vinylester Resin, Add	*1,356.36*	
		For Epoxy Resin, Add	*159.86*	
		For Up To >10, Add	*1,280.35*	
		For >10 To 25, Add	*744.01*	
		For >25 To 50, Add	*543.29*	
		For >50 To 100, Add	*271.65*	
		For >500 To 1,000, Deduct	*-104.67*	
		For >1,000 To 2,000, Deduct	*-158.30*	
		For >2,000 To 5,000, Deduct	*-258.48*	
		For >5,000, Deduct	*-429.07*	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,229.58	
		For Vinylester Resin, Add	*1,481.33*	
		For Epoxy Resin, Add	*174.59*	
		For Up To >10, Add	*1,398.27*	
		For >10 To 25, Add	*812.52*	
		For >25 To 50, Add	*593.32*	
		For >50 To 100, Add	*296.66*	
		For >500 To 1,000, Deduct	*-114.31*	
		For >1,000 To 2,000, Deduct	*-172.89*	
		For >2,000 To 5,000, Deduct	*-282.29*	
		For >5,000, Deduct	*-468.59*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	572.69	
		For Vinylester Resin, Add	*378.95*	
		For Epoxy Resin, Add	*44.66*	
		For Up To >10, Add	*364.70*	
		For >10 To 25, Add	*213.69*	
		For >25 To 50, Add	*155.28*	
		For >50 To 100, Add	*77.64*	
		For >500 To 1,000, Deduct	*-29.42*	
		For >1,000 To 2,000, Deduct	*-44.52*	
		For >2,000 To 5,000, Deduct	*-72.80*	
		For >5,000, Deduct	*-120.81*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	670.45	
		For Vinylester Resin, Add	*445.61*	
		For Epoxy Resin, Add	*52.52*	
		For Up To >10, Add	*419.90*	
		For >10 To 25, Add	*243.82*	
		For >25 To 50, Add	*178.12*	
		For >50 To 100, Add	*89.06*	
		For >500 To 1,000, Deduct	*-34.37*	
		For >1,000 To 2,000, Deduct	*-51.98*	
		For >2,000 To 5,000, Deduct	*-84.86*	
		For >5,000, Deduct	*-140.86*	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	769.46	
		For Vinylester Resin, Add	*512.26*	
		For Epoxy Resin, Add	*60.37*	
		For Up To >10, Add	*478.88*	
		For >10 To 25, Add	*277.10*	
		For >25 To 50, Add	*202.85*	
		For >50 To 100, Add	*101.43*	
		For >500 To 1,000, Deduct	*-39.41*	
		For >1,000 To 2,000, Deduct	*-59.59*	
		For >2,000 To 5,000, Deduct	*-97.23*	
		For >5,000, Deduct	*-161.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	869.60	
		For Vinylester Resin, Add	*578.91*	
		For Epoxy Resin, Add	*68.23*	
		For Up To >10, Add	*541.25*	
		For >10 To 25, Add	*313.21*	
		For >25 To 50, Add	*229.27*	
		For >50 To 100, Add	*114.64*	
		For >500 To 1,000, Deduct	*-44.54*	
		For >1,000 To 2,000, Deduct	*-67.35*	
		For >2,000 To 5,000, Deduct	*-109.89*	
		For >5,000, Deduct	*-182.44*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	969.74	
		For Vinylester Resin, Add	*645.58*	
		For Epoxy Resin, Add	*76.09*	
		For Up To >10, Add	*603.60*	
		For >10 To 25, Add	*349.29*	
		For >25 To 50, Add	*255.69*	
		For >50 To 100, Add	*127.84*	
		For >500 To 1,000, Deduct	*-49.67*	
		For >1,000 To 2,000, Deduct	*-75.11*	
		For >2,000 To 5,000, Deduct	*-122.54*	
		For >5,000, Deduct	*-203.45*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,170.04	
		For Vinylester Resin, Add	*778.90*	
		For Epoxy Resin, Add	*91.80*	
		For Up To >10, Add	*728.35*	
		For >10 To 25, Add	*421.50*	
		For >25 To 50, Add	*308.54*	
		For >50 To 100, Add	*154.27*	
		For >500 To 1,000, Deduct	*-59.94*	
		For >1,000 To 2,000, Deduct	*-90.62*	
		For >2,000 To 5,000, Deduct	*-147.86*	
		For >5,000, Deduct	*-245.47*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,417.20	
		For Vinylester Resin, Add	*945.13*	
		For Epoxy Resin, Add	*111.39*	
		For Up To >10, Add	*876.15*	
		For >10 To 25, Add	*505.10*	
		For >25 To 50, Add	*370.57*	
		For >50 To 100, Add	*185.28*	
		For >500 To 1,000, Deduct	*-72.54*	
		For >1,000 To 2,000, Deduct	*-109.64*	
		For >2,000 To 5,000, Deduct	*-178.78*	
		For >5,000, Deduct	*-296.84*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,570.46	
		For Vinylester Resin, Add	*1,045.52*	
		For Epoxy Resin, Add	*123.22*	
		For Up To >10, Add	*977.38*	
		For >10 To 25, Add	*565.55*	
		For >25 To 50, Add	*414.01*	
		For >50 To 100, Add	*207.01*	
		For >500 To 1,000, Deduct	*-80.44*	
		For >1,000 To 2,000, Deduct	*-121.63*	
		For >2,000 To 5,000, Deduct	*-198.45*	
		For >5,000, Deduct	*-329.46*	
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,770.75	
		For Vinylester Resin, Add	*1,178.84*	
		For Epoxy Resin, Add	*138.93*	
		For Up To >10, Add	*1,102.13*	
		For >10 To 25, Add	*637.76*	
		For >25 To 50, Add	*466.86*	
		For >50 To 100, Add	*233.43*	
		For >500 To 1,000, Deduct	*-90.71*	
		For >1,000 To 2,000, Deduct	*-137.14*	
		For >2,000 To 5,000, Deduct	*-223.76*	
		For >5,000, Deduct	*-371.49*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,971.02	
		For Vinylester Resin, Add	*1,312.14*	
		For Epoxy Resin, Add	*154.65*	
		For Up To >10, Add	*1,226.84*	
		For >10 To 25, Add	*709.95*	
		For >25 To 50, Add	*519.69*	
		For >50 To 100, Add	*259.85*	
		For >500 To 1,000, Deduct	*-100.96*	
		For >1,000 To 2,000, Deduct	*-152.65*	
		For >2,000 To 5,000, Deduct	*-249.07*	
		For >5,000, Deduct	*-413.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,174.69	
		For Vinylester Resin, Add	*1,445.47*	
		For Epoxy Resin, Add	*170.36*	
		For Up To >10, Add	*1,361.70*	
		For >10 To 25, Add	*790.59*	
		For >25 To 50, Add	*577.60*	
		For >50 To 100, Add	*288.80*	
		For >500 To 1,000, Deduct	*-111.48*	
		For >1,000 To 2,000, Deduct	*-168.59*	
		For >2,000 To 5,000, Deduct	*-275.23*	
		For >5,000, Deduct	*-456.89*	
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,375.26	
		For Vinylester Resin, Add	*1,578.78*	
		For Epoxy Resin, Add	*186.07*	
		For Up To >10, Add	*1,487.28*	
		For >10 To 25, Add	*863.50*	
		For >25 To 50, Add	*630.87*	
		For >50 To 100, Add	*315.44*	
		For >500 To 1,000, Deduct	*-121.76*	
		For >1,000 To 2,000, Deduct	*-184.14*	
		For >2,000 To 5,000, Deduct	*-300.61*	
		For >5,000, Deduct	*-499.02*	
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,575.83	
		For Vinylester Resin, Add	*1,712.10*	
		For Epoxy Resin, Add	*201.78*	
		For Up To >10, Add	*1,612.87*	
		For >10 To 25, Add	*936.41*	
		For >25 To 50, Add	*684.14*	
		For >50 To 100, Add	*342.07*	
		For >500 To 1,000, Deduct	*-132.04*	
		For >1,000 To 2,000, Deduct	*-199.69*	
		For >2,000 To 5,000, Deduct	*-326.00*	
		For >5,000, Deduct	*-541.16*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,776.40	
		For Vinylester Resin, Add	*1,845.41*	
		For Epoxy Resin, Add	*217.49*	
		For Up To >10, Add	*1,738.45*	
		For >10 To 25, Add	*1,009.33*	
		For >25 To 50, Add	*737.41*	
		For >50 To 100, Add	*368.71*	
		For >500 To 1,000, Deduct	*-142.32*	
		For >1,000 To 2,000, Deduct	*-215.24*	
		For >2,000 To 5,000, Deduct	*-351.38*	
		For >5,000, Deduct	*-583.30*	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	709.36	
		For Vinylester Resin, Add	*472.06*	
		For Epoxy Resin, Add	*55.64*	
		For Up To >10, Add	*442.16*	
		For >10 To 25, Add	*256.07*	
		For >25 To 50, Add	*187.36*	
		For >50 To 100, Add	*93.68*	
		For >500 To 1,000, Deduct	*-36.34*	
		For >1,000 To 2,000, Deduct	*-54.95*	
		For >2,000 To 5,000, Deduct	*-89.67*	
		For >5,000, Deduct	*-148.87*	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	815.18	
		For Vinylester Resin, Add	*542.89*	
		For Epoxy Resin, Add	*63.98*	
		For Up To >10, Add	*506.67*	
		For >10 To 25, Add	*292.96*	
		For >25 To 50, Add	*214.56*	
		For >50 To 100, Add	*107.28*	
		For >500 To 1,000, Deduct	*-41.75*	
		For >1,000 To 2,000, Deduct	*-63.12*	
		For >2,000 To 5,000, Deduct	*-102.97*	
		For >5,000, Deduct	*-170.96*	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	921.55	
		For Vinylester Resin, Add	*613.71*	
		For Epoxy Resin, Add	*72.33*	
		For Up To >10, Add	*572.83*	
		For >10 To 25, Add	*331.23*	
		For >25 To 50, Add	*242.58*	
		For >50 To 100, Add	*121.29*	
		For >500 To 1,000, Deduct	*-47.20*	
		For >1,000 To 2,000, Deduct	*-71.36*	
		For >2,000 To 5,000, Deduct	*-116.41*	
		For >5,000, Deduct	*-193.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,027.79	
		For Vinylester Resin, Add	*684.53*	
		For Epoxy Resin, Add	*80.68*	
		For Up To >10, Add	*638.62*	
		For >10 To 25, Add	*369.20*	
		For >25 To 50, Add	*270.42*	
		For >50 To 100, Add	*135.21*	
		For >500 To 1,000, Deduct	*-52.64*	
		For >1,000 To 2,000, Deduct	*-79.58*	
		For >2,000 To 5,000, Deduct	*-129.82*	
		For >5,000, Deduct	*-215.54*	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,240.53	
		For Vinylester Resin, Add	*826.18*	
		For Epoxy Resin, Add	*97.37*	
		For Up To >10, Add	*770.97*	
		For >10 To 25, Add	*445.76*	
		For >25 To 50, Add	*326.47*	
		For >50 To 100, Add	*163.24*	
		For >500 To 1,000, Deduct	*-63.53*	
		For >1,000 To 2,000, Deduct	*-96.05*	
		For >2,000 To 5,000, Deduct	*-156.70*	
		For >5,000, Deduct	*-260.16*	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,453.15	
		For Vinylester Resin, Add	*967.83*	
		For Epoxy Resin, Add	*114.07*	
		For Up To >10, Add	*902.93*	
		For >10 To 25, Add	*522.00*	
		For >25 To 50, Add	*382.33*	
		For >50 To 100, Add	*191.17*	
		For >500 To 1,000, Deduct	*-74.42*	
		For >1,000 To 2,000, Deduct	*-112.51*	
		For >2,000 To 5,000, Deduct	*-183.55*	
		For >5,000, Deduct	*-304.74*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,665.90	
		For Vinylester Resin, Add	*1,109.47*	
		For Epoxy Resin, Add	*130.76*	
		For Up To >10, Add	*1,035.30*	
		For >10 To 25, Add	*598.59*	
		For >25 To 50, Add	*438.40*	
		For >50 To 100, Add	*219.20*	
		For >500 To 1,000, Deduct	*-85.32*	
		For >1,000 To 2,000, Deduct	*-128.99*	
		For >2,000 To 5,000, Deduct	*-210.43*	
		For >5,000, Deduct	*-349.37*	
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,878.50	
		For Vinylester Resin, Add	*1,251.12*	
		For Epoxy Resin, Add	*147.45*	
		For Up To >10, Add	*1,167.23*	
		For >10 To 25, Add	*674.80*	
		For >25 To 50, Add	*494.25*	
		For >50 To 100, Add	*247.12*	
		For >500 To 1,000, Deduct	*-96.20*	
		For >1,000 To 2,000, Deduct	*-145.45*	
		For >2,000 To 5,000, Deduct	*-237.27*	
		For >5,000, Deduct	*-393.94*	
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,091.27	
		For Vinylester Resin, Add	*1,392.77*	
		For Epoxy Resin, Add	*164.15*	
		For Up To >10, Add	*1,299.64*	
		For >10 To 25, Add	*751.42*	
		For >25 To 50, Add	*550.33*	
		For >50 To 100, Add	*275.17*	
		For >500 To 1,000, Deduct	*-107.10*	
		For >1,000 To 2,000, Deduct	*-161.93*	
		For >2,000 To 5,000, Deduct	*-264.16*	
		For >5,000, Deduct	*-438.57*	
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,308.51	
		For Vinylester Resin, Add	*1,534.41*	
		For Epoxy Resin, Add	*180.84*	
		For Up To >10, Add	*1,445.48*	
		For >10 To 25, Add	*839.23*	
		For >25 To 50, Add	*613.14*	
		For >50 To 100, Add	*306.57*	
		For >500 To 1,000, Deduct	*-118.34*	
		For >1,000 To 2,000, Deduct	*-178.96*	
		For >2,000 To 5,000, Deduct	*-292.16*	
		For >5,000, Deduct	*-485.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,521.68	
		For Vinylester Resin, Add	*1,676.06*	
		For Epoxy Resin, Add	*197.54*	
		For Up To >10, Add	*1,579.12*	
		For >10 To 25, Add	*916.87*	
		For >25 To 50, Add	*669.84*	
		For >50 To 100, Add	*334.92*	
		For >500 To 1,000, Deduct	*-129.27*	
		For >1,000 To 2,000, Deduct	*-195.49*	
		For >2,000 To 5,000, Deduct	*-319.15*	
		For >5,000, Deduct	*-529.80*	
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,734.71	
		For Vinylester Resin, Add	*1,817.70*	
		For Epoxy Resin, Add	*214.23*	
		For Up To >10, Add	*1,712.33*	
		For >10 To 25, Add	*994.16*	
		For >25 To 50, Add	*726.33*	
		For >50 To 100, Add	*363.16*	
		For >500 To 1,000, Deduct	*-140.19*	
		For >1,000 To 2,000, Deduct	*-212.00*	
		For >2,000 To 5,000, Deduct	*-346.10*	
		For >5,000, Deduct	*-574.54*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,947.88	
		For Vinylester Resin, Add	*1,959.35*	
		For Epoxy Resin, Add	*230.92*	
		For Up To >10, Add	*1,845.97*	
		For >10 To 25, Add	*1,071.79*	
		For >25 To 50, Add	*783.03*	
		For >50 To 100, Add	*391.51*	
		For >500 To 1,000, Deduct	*-151.11*	
		For >1,000 To 2,000, Deduct	*-228.53*	
		For >2,000 To 5,000, Deduct	*-373.09*	
		For >5,000, Deduct	*-619.34*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	747.90	
		For Vinylester Resin, Add	*498.35*	
		For Epoxy Resin, Add	*58.73*	
		For Up To >10, Add	*463.88*	
		For >10 To 25, Add	*267.91*	
		For >25 To 50, Add	*196.34*	
		For >50 To 100, Add	*98.17*	
		For >500 To 1,000, Deduct	*-38.29*	
		For >1,000 To 2,000, Deduct	*-57.89*	
		For >2,000 To 5,000, Deduct	*-94.42*	
		For >5,000, Deduct	*-156.77*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	860.52	
		For Vinylester Resin, Add	*573.34*	
		For Epoxy Resin, Add	*67.57*	
		For Up To >10, Add	*533.91*	
		For >10 To 25, Add	*308.42*	
		For >25 To 50, Add	*226.00*	
		For >50 To 100, Add	*113.00*	
		For >500 To 1,000, Deduct	*-44.06*	
		For >1,000 To 2,000, Deduct	*-66.61*	
		For >2,000 To 5,000, Deduct	*-108.65*	
		For >5,000, Deduct	*-180.40*	
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	973.13	
		For Vinylester Resin, Add	*648.33*	
		For Epoxy Resin, Add	*76.41*	
		For Up To >10, Add	*603.92*	
		For >10 To 25, Add	*348.90*	
		For >25 To 50, Add	*255.65*	
		For >50 To 100, Add	*127.82*	
		For >500 To 1,000, Deduct	*-49.83*	
		For >1,000 To 2,000, Deduct	*-75.33*	
		For >2,000 To 5,000, Deduct	*-122.88*	
		For >5,000, Deduct	*-204.01*	
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,085.59	
		For Vinylester Resin, Add	*723.32*	
		For Epoxy Resin, Add	*85.25*	
		For Up To >10, Add	*673.47*	
		For >10 To 25, Add	*389.01*	
		For >25 To 50, Add	*285.07*	
		For >50 To 100, Add	*142.53*	
		For >500 To 1,000, Deduct	*-55.59*	
		For >1,000 To 2,000, Deduct	*-84.03*	
		For >2,000 To 5,000, Deduct	*-137.07*	
		For >5,000, Deduct	*-227.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,310.66	
		For Vinylester Resin, Add	*873.30*	
		For Epoxy Resin, Add	*102.92*	
		For Up To >10, Add	*813.06*	
		For >10 To 25, Add	*469.62*	
		For >25 To 50, Add	*344.15*	
		For >50 To 100, Add	*172.07*	
		For >500 To 1,000, Deduct	*-67.11*	
		For >1,000 To 2,000, Deduct	*-101.45*	
		For >2,000 To 5,000, Deduct	*-165.48*	
		For >5,000, Deduct	*-274.75*	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,535.87	
		For Vinylester Resin, Add	*1,023.27*	
		For Epoxy Resin, Add	*120.60*	
		For Up To >10, Add	*953.06*	
		For >10 To 25, Add	*550.58*	
		For >25 To 50, Add	*403.44*	
		For >50 To 100, Add	*201.72*	
		For >500 To 1,000, Deduct	*-78.64*	
		For >1,000 To 2,000, Deduct	*-118.89*	
		For >2,000 To 5,000, Deduct	*-193.93*	
		For >5,000, Deduct	*-321.98*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,760.97	
		For Vinylester Resin, Add	*1,173.26*	
		For Epoxy Resin, Add	*138.28*	
		For Up To >10, Add	*1,092.69*	
		For >10 To 25, Add	*631.22*	
		For >25 To 50, Add	*462.54*	
		For >50 To 100, Add	*231.27*	
		For >500 To 1,000, Deduct	*-90.17*	
		For >1,000 To 2,000, Deduct	*-136.32*	
		For >2,000 To 5,000, Deduct	*-222.35*	
		For >5,000, Deduct	*-369.17*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,986.03	
		For Vinylester Resin, Add	*1,323.24*	
		For Epoxy Resin, Add	*155.95*	
		For Up To >10, Add	*1,232.24*	
		For >10 To 25, Add	*711.81*	
		For >25 To 50, Add	*521.60*	
		For >50 To 100, Add	*260.80*	
		For >500 To 1,000, Deduct	*-101.69*	
		For >1,000 To 2,000, Deduct	*-153.74*	
		For >2,000 To 5,000, Deduct	*-250.76*	
		For >5,000, Deduct	*-416.34*	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,211.10	
		For Vinylester Resin, Add	*1,473.21*	
		For Epoxy Resin, Add	*173.63*	
		For Up To >10, Add	*1,371.83*	
		For >10 To 25, Add	*792.42*	
		For >25 To 50, Add	*580.68*	
		For >50 To 100, Add	*290.34*	
		For >500 To 1,000, Deduct	*-113.22*	
		For >1,000 To 2,000, Deduct	*-171.16*	
		For >2,000 To 5,000, Deduct	*-279.18*	
		For >5,000, Deduct	*-463.52*	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,442.09	
		For Vinylester Resin, Add	*1,623.20*	
		For Epoxy Resin, Add	*191.31*	
		For Up To >10, Add	*1,529.15*	
		For >10 To 25, Add	*887.81*	
		For >25 To 50, Add	*648.63*	
		For >50 To 100, Add	*324.32*	
		For >500 To 1,000, Deduct	*-125.19*	
		For >1,000 To 2,000, Deduct	*-189.32*	
		For >2,000 To 5,000, Deduct	*-309.07*	
		For >5,000, Deduct	*-513.07*	
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,667.71	
		For Vinylester Resin, Add	*1,773.17*	
		For Epoxy Resin, Add	*208.98*	
		For Up To >10, Add	*1,670.38*	
		For >10 To 25, Add	*969.80*	
		For >25 To 50, Add	*708.54*	
		For >50 To 100, Add	*354.27*	
		For >500 To 1,000, Deduct	*-136.75*	
		For >1,000 To 2,000, Deduct	*-206.81*	
		For >2,000 To 5,000, Deduct	*-337.62*	
		For >5,000, Deduct	*-560.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,893.36	
		For Vinylester Resin, Add	*1,923.15*	
		For Epoxy Resin, Add	*226.66*	
		For Up To >10, Add	*1,811.68*	
		For >10 To 25, Add	*1,051.84*	
		For >25 To 50, Add	*768.47*	
		For >50 To 100, Add	*384.24*	
		For >500 To 1,000, Deduct	*-148.32*	
		For >1,000 To 2,000, Deduct	*-224.30*	
		For >2,000 To 5,000, Deduct	*-366.18*	
		For >5,000, Deduct	*-607.87*	
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,118.99	
		For Vinylester Resin, Add	*2,073.13*	
		For Epoxy Resin, Add	*244.33*	
		For Up To >10, Add	*1,952.95*	
		For >10 To 25, Add	*1,133.85*	
		For >25 To 50, Add	*828.39*	
		For >50 To 100, Add	*414.20*	
		For >500 To 1,000, Deduct	*-159.88*	
		For >1,000 To 2,000, Deduct	*-241.79*	
		For >2,000 To 5,000, Deduct	*-394.74*	
		For >5,000, Deduct	*-655.27*	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	905.33	
		For Vinylester Resin, Add	*603.64*	
		For Epoxy Resin, Add	*71.14*	
		For Up To >10, Add	*560.14*	
		For >10 To 25, Add	*323.06*	
		For >25 To 50, Add	*236.95*	
		For >50 To 100, Add	*118.48*	
		For >500 To 1,000, Deduct	*-46.34*	
		For >1,000 To 2,000, Deduct	*-70.05*	
		For >2,000 To 5,000, Deduct	*-114.23*	
		For >5,000, Deduct	*-189.66*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,024.18	
		For Vinylester Resin, Add	*682.79*	
		For Epoxy Resin, Add	*80.47*	
		For Up To >10, Add	*633.99*	
		For >10 To 25, Add	*365.76*	
		For >25 To 50, Add	*268.22*	
		For >50 To 100, Add	*134.11*	
		For >500 To 1,000, Deduct	*-52.43*	
		For >1,000 To 2,000, Deduct	*-79.25*	
		For >2,000 To 5,000, Deduct	*-129.24*	
		For >5,000, Deduct	*-214.59*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,142.88	
		For Vinylester Resin, Add	*761.95*	
		For Epoxy Resin, Add	*89.80*	
		For Up To >10, Add	*707.39*	
		For >10 To 25, Add	*408.08*	
		For >25 To 50, Add	*299.27*	
		For >50 To 100, Add	*149.64*	
		For >500 To 1,000, Deduct	*-58.50*	
		For >1,000 To 2,000, Deduct	*-88.44*	
		For >2,000 To 5,000, Deduct	*-144.22*	
		For >5,000, Deduct	*-239.45*	
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,447.12	
		For Vinylester Resin, Add	*967.05*	
		For Epoxy Resin, Add	*113.97*	
		For Up To >10, Add	*887.61*	
		For >10 To 25, Add	*509.43*	
		For >25 To 50, Add	*374.73*	
		For >50 To 100, Add	*187.37*	
		For >500 To 1,000, Deduct	*-74.00*	
		For >1,000 To 2,000, Deduct	*-111.82*	
		For >2,000 To 5,000, Deduct	*-182.19*	
		For >5,000, Deduct	*-302.55*	
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,617.81	
		For Vinylester Resin, Add	*1,078.57*	
		For Epoxy Resin, Add	*127.12*	
		For Up To >10, Add	*1,001.41*	
		For >10 To 25, Add	*577.70*	
		For >25 To 50, Add	*423.66*	
		For >50 To 100, Add	*211.83*	
		For >500 To 1,000, Deduct	*-82.82*	
		For >1,000 To 2,000, Deduct	*-125.19*	
		For >2,000 To 5,000, Deduct	*-204.15*	
		For >5,000, Deduct	*-338.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,855.22	
		For Vinylester Resin, Add	*1,236.89*	
		For Epoxy Resin, Add	*145.78*	
		For Up To >10, Add	*1,148.21*	
		For >10 To 25, Add	*662.35*	
		For >25 To 50, Add	*485.76*	
		For >50 To 100, Add	*242.88*	
		For >500 To 1,000, Deduct	*-94.97*	
		For >1,000 To 2,000, Deduct	*-143.55*	
		For >2,000 To 5,000, Deduct	*-234.10*	
		For >5,000, Deduct	*-388.69*	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,092.61	
		For Vinylester Resin, Add	*1,395.19*	
		For Epoxy Resin, Add	*164.43*	
		For Up To >10, Add	*1,295.01*	
		For >10 To 25, Add	*746.98*	
		For >25 To 50, Add	*547.85*	
		For >50 To 100, Add	*273.92*	
		For >500 To 1,000, Deduct	*-107.12*	
		For >1,000 To 2,000, Deduct	*-161.92*	
		For >2,000 To 5,000, Deduct	*-264.05*	
		For >5,000, Deduct	*-438.42*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,330.02	
		For Vinylester Resin, Add	*1,553.50*	
		For Epoxy Resin, Add	*183.09*	
		For Up To >10, Add	*1,441.84*	
		For >10 To 25, Add	*831.65*	
		For >25 To 50, Add	*609.95*	
		For >50 To 100, Add	*304.98*	
		For >500 To 1,000, Deduct	*-119.27*	
		For >1,000 To 2,000, Deduct	*-180.29*	
		For >2,000 To 5,000, Deduct	*-294.00*	
		For >5,000, Deduct	*-488.15*	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,573.60	
		For Vinylester Resin, Add	*1,711.82*	
		For Epoxy Resin, Add	*201.75*	
		For Up To >10, Add	*1,607.18*	
		For >10 To 25, Add	*931.74*	
		For >25 To 50, Add	*681.32*	
		For >50 To 100, Add	*340.66*	
		For >500 To 1,000, Deduct	*-131.88*	
		For >1,000 To 2,000, Deduct	*-199.43*	
		For >2,000 To 5,000, Deduct	*-325.49*	
		For >5,000, Deduct	*-540.35*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,811.57	
		For Vinylester Resin, Add	*1,870.13*	
		For Epoxy Resin, Add	*220.41*	
		For Up To >10, Add	*1,755.69*	
		For >10 To 25, Add	*1,017.80*	
		For >25 To 50, Add	*744.26*	
		For >50 To 100, Add	*372.13*	
		For >500 To 1,000, Deduct	*-144.08*	
		For >1,000 To 2,000, Deduct	*-217.87*	
		For >2,000 To 5,000, Deduct	*-355.58*	
		For >5,000, Deduct	*-590.31*	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,049.66	
		For Vinylester Resin, Add	*2,028.43*	
		For Epoxy Resin, Add	*239.07*	
		For Up To >10, Add	*1,904.58*	
		For >10 To 25, Add	*1,104.19*	
		For >25 To 50, Add	*807.40*	
		For >50 To 100, Add	*403.70*	
		For >500 To 1,000, Deduct	*-156.28*	
		For >1,000 To 2,000, Deduct	*-236.32*	
		For >2,000 To 5,000, Deduct	*-385.71*	
		For >5,000, Deduct	*-640.31*	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,287.63	
		For Vinylester Resin, Add	*2,186.74*	
		For Epoxy Resin, Add	*257.72*	
		For Up To >10, Add	*2,053.09*	
		For >10 To 25, Add	*1,190.26*	
		For >25 To 50, Add	*870.35*	
		For >50 To 100, Add	*435.17*	
		For >500 To 1,000, Deduct	*-168.47*	
		For >1,000 To 2,000, Deduct	*-254.76*	
		For >2,000 To 5,000, Deduct	*-415.80*	
		For >5,000, Deduct	*-690.27*	

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	949.93	
		For Vinylester Resin, Add	*633.77*	
		For Epoxy Resin, Add	*74.69*	
		For Up To >10, Add	*586.32*	
		For >10 To 25, Add	*337.70*	
		For >25 To 50, Add	*247.89*	
		For >50 To 100, Add	*123.94*	
		For >500 To 1,000, Deduct	*-48.61*	
		For >1,000 To 2,000, Deduct	*-73.47*	
		For >2,000 To 5,000, Deduct	*-119.78*	
		For >5,000, Deduct	*-198.89*	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,074.86	
		For Vinylester Resin, Add	*717.09*	
		For Epoxy Resin, Add	*84.51*	
		For Up To >10, Add	*663.53*	
		For >10 To 25, Add	*382.21*	
		For >25 To 50, Add	*280.54*	
		For >50 To 100, Add	*140.27*	
		For >500 To 1,000, Deduct	*-55.00*	
		For >1,000 To 2,000, Deduct	*-83.14*	
		For >2,000 To 5,000, Deduct	*-135.54*	
		For >5,000, Deduct	*-225.06*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,199.79	
		For Vinylester Resin, Add	*800.41*	
		For Epoxy Resin, Add	*94.33*	
		For Up To >10, Add	*740.77*	
		For >10 To 25, Add	*426.74*	
		For >25 To 50, Add	*313.21*	
		For >50 To 100, Add	*156.61*	
		For >500 To 1,000, Deduct	*-61.40*	
		For >1,000 To 2,000, Deduct	*-92.80*	
		For >2,000 To 5,000, Deduct	*-151.30*	
		For >5,000, Deduct	*-251.23*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,449.51	
		For Vinylester Resin, Add	*967.05*	
		For Epoxy Resin, Add	*113.97*	
		For Up To >10, Add	*894.78*	
		For >10 To 25, Add	*515.40*	
		For >25 To 50, Add	*378.32*	
		For >50 To 100, Add	*189.16*	
		For >500 To 1,000, Deduct	*-74.18*	
		For >1,000 To 2,000, Deduct	*-112.11*	
		For >2,000 To 5,000, Deduct	*-182.78*	
		For >5,000, Deduct	*-303.50*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,699.37	
		For Vinylester Resin, Add	*1,133.69*	
		For Epoxy Resin, Add	*133.61*	
		For Up To >10, Add	*1,049.21*	
		For >10 To 25, Add	*604.42*	
		For >25 To 50, Add	*443.63*	
		For >50 To 100, Add	*221.81*	
		For >500 To 1,000, Deduct	*-86.96*	
		For >1,000 To 2,000, Deduct	*-131.44*	
		For >2,000 To 5,000, Deduct	*-214.30*	
		For >5,000, Deduct	*-355.84*	
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,949.11	
		For Vinylester Resin, Add	*1,300.34*	
		For Epoxy Resin, Add	*153.25*	
		For Up To >10, Add	*1,203.26*	
		For >10 To 25, Add	*693.11*	
		For >25 To 50, Add	*508.75*	
		For >50 To 100, Add	*254.37*	
		For >500 To 1,000, Deduct	*-99.74*	
		For >1,000 To 2,000, Deduct	*-150.76*	
		For >2,000 To 5,000, Deduct	*-245.79*	
		For >5,000, Deduct	*-408.12*	
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,198.97	
		For Vinylester Resin, Add	*1,466.98*	
		For Epoxy Resin, Add	*172.89*	
		For Up To >10, Add	*1,357.69*	
		For >10 To 25, Add	*782.12*	
		For >25 To 50, Add	*574.06*	
		For >50 To 100, Add	*287.03*	
		For >500 To 1,000, Deduct	*-112.53*	
		For >1,000 To 2,000, Deduct	*-170.09*	
		For >2,000 To 5,000, Deduct	*-277.30*	
		For >5,000, Deduct	*-460.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,448.69	
		For Vinylester Resin, Add	*1,633.63*	
		For Epoxy Resin, Add	*192.53*	
		For Up To >10, Add	*1,511.70*	
		For >10 To 25, Add	*870.79*	
		For >25 To 50, Add	*639.16*	
		For >50 To 100, Add	*319.58*	
		For >500 To 1,000, Deduct	*-125.31*	
		For >1,000 To 2,000, Deduct	*-189.40*	
		For >2,000 To 5,000, Deduct	*-308.79*	
		For >5,000, Deduct	*-512.73*	
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,704.89	
		For Vinylester Resin, Add	*1,800.27*	
		For Epoxy Resin, Add	*212.17*	
		For Up To >10, Add	*1,685.15*	
		For >10 To 25, Add	*975.65*	
		For >25 To 50, Add	*713.98*	
		For >50 To 100, Add	*356.99*	
		For >500 To 1,000, Deduct	*-138.57*	
		For >1,000 To 2,000, Deduct	*-209.52*	
		For >2,000 To 5,000, Deduct	*-341.89*	
		For >5,000, Deduct	*-567.59*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,955.18	
		For Vinylester Resin, Add	*1,966.92*	
		For Epoxy Resin, Add	*231.82*	
		For Up To >10, Add	*1,840.84*	
		For >10 To 25, Add	*1,065.72*	
		For >25 To 50, Add	*779.93*	
		For >50 To 100, Add	*389.96*	
		For >500 To 1,000, Deduct	*-151.39*	
		For >1,000 To 2,000, Deduct	*-228.90*	
		For >2,000 To 5,000, Deduct	*-373.51*	
		For >5,000, Deduct	*-620.10*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,205.59	
		For Vinylester Resin, Add	*2,133.55*	
		For Epoxy Resin, Add	*251.45*	
		For Up To >10, Add	*1,996.95*	
		For >10 To 25, Add	*1,156.13*	
		For >25 To 50, Add	*846.08*	
		For >50 To 100, Add	*423.04*	
		For >500 To 1,000, Deduct	*-164.22*	
		For >1,000 To 2,000, Deduct	*-248.30*	
		For >2,000 To 5,000, Deduct	*-405.17*	
		For >5,000, Deduct	*-672.65*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,456.03	
		For Vinylester Resin, Add	*2,300.20*	
		For Epoxy Resin, Add	*271.10*	
		For Up To >10, Add	*2,153.09*	
		For >10 To 25, Add	*1,246.58*	
		For >25 To 50, Add	*912.25*	
		For >50 To 100, Add	*456.12*	
		For >500 To 1,000, Deduct	*-177.05*	
		For >1,000 To 2,000, Deduct	*-267.70*	
		For >2,000 To 5,000, Deduct	*-436.83*	
		For >5,000, Deduct	*-725.21*	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,706.32	
		For Vinylester Resin, Add	*2,466.84*	
		For Epoxy Resin, Add	*290.73*	
		For Up To >10, Add	*2,308.81*	
		For >10 To 25, Add	*1,336.67*	
		For >25 To 50, Add	*978.20*	
		For >50 To 100, Add	*489.10*	
		For >500 To 1,000, Deduct	*-189.87*	
		For >1,000 To 2,000, Deduct	*-287.09*	
		For >2,000 To 5,000, Deduct	*-468.45*	
		For >5,000, Deduct	*-777.72*	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,956.74	
		For Vinylester Resin, Add	*2,633.48*	
		For Epoxy Resin, Add	*310.37*	
		For Up To >10, Add	*2,464.92*	
		For >10 To 25, Add	*1,427.08*	
		For >25 To 50, Add	*1,044.35*	
		For >50 To 100, Add	*522.18*	
		For >500 To 1,000, Deduct	*-202.70*	
		For >1,000 To 2,000, Deduct	*-306.49*	
		For >2,000 To 5,000, Deduct	*-500.11*	
		For >5,000, Deduct	*-830.27*	

33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	994.28	
		For Vinylester Resin, Add	*663.73*	
		For Epoxy Resin, Add	*78.23*	
		For Up To >10, Add	*612.37*	
		For >10 To 25, Add	*352.27*	
		For >25 To 50, Add	*258.77*	
		For >50 To 100, Add	*129.39*	
		For >500 To 1,000, Deduct	*-50.87*	
		For >1,000 To 2,000, Deduct	*-76.88*	
		For >2,000 To 5,000, Deduct	*-125.31*	
		For >5,000, Deduct	*-208.07*	
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,125.31	
		For Vinylester Resin, Add	*751.23*	
		For Epoxy Resin, Add	*88.54*	
		For Up To >10, Add	*692.98*	
		For >10 To 25, Add	*398.62*	
		For >25 To 50, Add	*292.83*	
		For >50 To 100, Add	*146.42*	
		For >500 To 1,000, Deduct	*-57.57*	
		For >1,000 To 2,000, Deduct	*-87.00*	
		For >2,000 To 5,000, Deduct	*-141.81*	
		For >5,000, Deduct	*-235.49*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,256.33	
		For Vinylester Resin, Add	*838.71*	
		For Epoxy Resin, Add	*98.85*	
		For Up To >10, Add	*773.62*	
		For >10 To 25, Add	*444.99*	
		For >25 To 50, Add	*326.90*	
		For >50 To 100, Add	*163.45*	
		For >500 To 1,000, Deduct	*-64.27*	
		For >1,000 To 2,000, Deduct	*-97.13*	
		For >2,000 To 5,000, Deduct	*-158.32*	
		For >5,000, Deduct	*-262.90*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,518.52	
		For Vinylester Resin, Add	*1,013.68*	
		For Epoxy Resin, Add	*119.47*	
		For Up To >10, Add	*935.26*	
		For >10 To 25, Add	*538.03*	
		For >25 To 50, Add	*395.22*	
		For >50 To 100, Add	*197.61*	
		For >500 To 1,000, Deduct	*-77.69*	
		For >1,000 To 2,000, Deduct	*-117.41*	
		For >2,000 To 5,000, Deduct	*-191.37*	
		For >5,000, Deduct	*-317.78*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,780.57	
		For Vinylester Resin, Add	*1,188.66*	
		For Epoxy Resin, Add	*140.09*	
		For Up To >10, Add	*1,096.49*	
		For >10 To 25, Add	*630.72*	
		For >25 To 50, Add	*463.34*	
		For >50 To 100, Add	*231.67*	
		For >500 To 1,000, Deduct	*-91.09*	
		For >1,000 To 2,000, Deduct	*-137.67*	
		For >2,000 To 5,000, Deduct	*-224.39*	
		For >5,000, Deduct	*-372.61*	
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,042.76	
		For Vinylester Resin, Add	*1,363.64*	
		For Epoxy Resin, Add	*160.71*	
		For Up To >10, Add	*1,258.16*	
		For >10 To 25, Add	*723.79*	
		For >25 To 50, Add	*531.68*	
		For >50 To 100, Add	*265.84*	
		For >500 To 1,000, Deduct	*-104.51*	
		For >1,000 To 2,000, Deduct	*-157.94*	
		For >2,000 To 5,000, Deduct	*-257.44*	
		For >5,000, Deduct	*-427.49*	
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,304.80	
		For Vinylester Resin, Add	*1,538.61*	
		For Epoxy Resin, Add	*181.34*	
		For Up To >10, Add	*1,419.38*	
		For >10 To 25, Add	*816.48*	
		For >25 To 50, Add	*599.79*	
		For >50 To 100, Add	*299.89*	
		For >500 To 1,000, Deduct	*-117.91*	
		For >1,000 To 2,000, Deduct	*-178.20*	
		For >2,000 To 5,000, Deduct	*-290.46*	
		For >5,000, Deduct	*-482.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,566.86	
		For Vinylester Resin, Add	*1,713.59*	
		For Epoxy Resin, Add	*201.96*	
		For Up To >10, Add	*1,580.63*	
		For >10 To 25, Add	*909.20*	
		For >25 To 50, Add	*667.92*	
		For >50 To 100, Add	*333.96*	
		For >500 To 1,000, Deduct	*-131.32*	
		For >1,000 To 2,000, Deduct	*-198.46*	
		For >2,000 To 5,000, Deduct	*-323.48*	
		For >5,000, Deduct	*-537.15*	
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,835.66	
		For Vinylester Resin, Add	*1,888.57*	
		For Epoxy Resin, Add	*222.58*	
		For Up To >10, Add	*1,762.11*	
		For >10 To 25, Add	*1,018.76*	
		For >25 To 50, Add	*746.16*	
		For >50 To 100, Add	*373.08*	
		For >500 To 1,000, Deduct	*-145.23*	
		For >1,000 To 2,000, Deduct	*-219.56*	
		For >2,000 To 5,000, Deduct	*-358.18*	
		For >5,000, Deduct	*-594.67*	
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,118.68	
		For Vinylester Resin, Add	*2,077.63*	
		For Epoxy Resin, Add	*244.86*	
		For Up To >10, Add	*1,935.94*	
		For >10 To 25, Add	*1,118.61*	
		For >25 To 50, Add	*819.57*	
		For >50 To 100, Add	*409.78*	
		For >500 To 1,000, Deduct	*-159.70*	
		For >1,000 To 2,000, Deduct	*-241.43*	
		For >2,000 To 5,000, Deduct	*-393.82*	
		For >5,000, Deduct	*-653.86*	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,361.01	
		For Vinylester Resin, Add	*2,238.51*	
		For Epoxy Resin, Add	*263.82*	
		For Up To >10, Add	*2,088.36*	
		For >10 To 25, Add	*1,207.32*	
		For >25 To 50, Add	*884.28*	
		For >50 To 100, Add	*442.14*	
		For >500 To 1,000, Deduct	*-172.13*	
		For >1,000 To 2,000, Deduct	*-260.23*	
		For >2,000 To 5,000, Deduct	*-424.53*	
		For >5,000, Deduct	*-704.83*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,623.77	
		For Vinylester Resin, Add	*2,413.49*	
		For Epoxy Resin, Add	*284.45*	
		For Up To >10, Add	*2,251.71*	
		For >10 To 25, Add	*1,301.79*	
		For >25 To 50, Add	*953.46*	
		For >50 To 100, Add	*476.73*	
		For >500 To 1,000, Deduct	*-185.59*	
		For >1,000 To 2,000, Deduct	*-280.58*	
		For >2,000 To 5,000, Deduct	*-457.72*	
		For >5,000, Deduct	*-759.94*	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,886.38	
		For Vinylester Resin, Add	*2,588.46*	
		For Epoxy Resin, Add	*305.07*	
		For Up To >10, Add	*2,414.64*	
		For >10 To 25, Add	*1,395.90*	
		For >25 To 50, Add	*1,022.43*	
		For >50 To 100, Add	*511.22*	
		For >500 To 1,000, Deduct	*-199.03*	
		For >1,000 To 2,000, Deduct	*-300.91*	
		For >2,000 To 5,000, Deduct	*-490.88*	
		For >5,000, Deduct	*-814.99*	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,149.12	
		For Vinylester Resin, Add	*2,763.43*	
		For Epoxy Resin, Add	*325.69*	
		For Up To >10, Add	*2,577.96*	
		For >10 To 25, Add	*1,490.34*	
		For >25 To 50, Add	*1,091.59*	
		For >50 To 100, Add	*545.80*	
		For >500 To 1,000, Deduct	*-212.49*	
		For >1,000 To 2,000, Deduct	*-321.25*	
		For >2,000 To 5,000, Deduct	*-524.07*	
		For >5,000, Deduct	*-870.10*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,038.26	
		For Vinylester Resin, Add	*693.54*	
		For Epoxy Resin, Add	*81.74*	
		For Up To >10, Add	*637.86*	
		For >10 To 25, Add	*366.42*	
		For >25 To 50, Add	*269.39*	
		For >50 To 100, Add	*134.69*	
		For >500 To 1,000, Deduct	*-53.10*	
		For >1,000 To 2,000, Deduct	*-80.24*	
		For >2,000 To 5,000, Deduct	*-130.76*	
		For >5,000, Deduct	*-217.15*	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,175.52	
		For Vinylester Resin, Add	*785.19*	
		For Epoxy Resin, Add	*92.54*	
		For Up To >10, Add	*722.31*	
		For >10 To 25, Add	*414.98*	
		For >25 To 50, Add	*305.07*	
		For >50 To 100, Add	*152.54*	
		For >500 To 1,000, Deduct	*-60.12*	
		For >1,000 To 2,000, Deduct	*-90.86*	
		For >2,000 To 5,000, Deduct	*-148.06*	
		For >5,000, Deduct	*-245.87*	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,312.63	
		For Vinylester Resin, Add	*876.84*	
		For Epoxy Resin, Add	*103.34*	
		For Up To >10, Add	*806.32*	
		For >10 To 25, Add	*463.16*	
		For >25 To 50, Add	*340.53*	
		For >50 To 100, Add	*170.26*	
		For >500 To 1,000, Deduct	*-67.13*	
		For >1,000 To 2,000, Deduct	*-101.45*	
		For >2,000 To 5,000, Deduct	*-165.32*	
		For >5,000, Deduct	*-274.53*	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,587.15	
		For Vinylester Resin, Add	*1,060.16*	
		For Epoxy Resin, Add	*124.95*	
		For Up To >10, Add	*975.18*	
		For >10 To 25, Add	*560.23*	
		For >25 To 50, Add	*411.86*	
		For >50 To 100, Add	*205.93*	
		For >500 To 1,000, Deduct	*-81.17*	
		For >1,000 To 2,000, Deduct	*-122.67*	
		For >2,000 To 5,000, Deduct	*-199.90*	
		For >5,000, Deduct	*-331.96*	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,861.53	
		For Vinylester Resin, Add	*1,243.46*	
		For Epoxy Resin, Add	*146.55*	
		For Up To >10, Add	*1,143.67*	
		For >10 To 25, Add	*656.99*	
		For >25 To 50, Add	*483.01*	
		For >50 To 100, Add	*241.51*	
		For >500 To 1,000, Deduct	*-95.21*	
		For >1,000 To 2,000, Deduct	*-143.87*	
		For >2,000 To 5,000, Deduct	*-234.45*	
		For >5,000, Deduct	*-389.34*	
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,136.05	
		For Vinylester Resin, Add	*1,426.77*	
		For Epoxy Resin, Add	*168.15*	
		For Up To >10, Add	*1,312.55*	
		For >10 To 25, Add	*754.09*	
		For >25 To 50, Add	*554.36*	
		For >50 To 100, Add	*277.18*	
		For >500 To 1,000, Deduct	*-109.25*	
		For >1,000 To 2,000, Deduct	*-165.09*	
		For >2,000 To 5,000, Deduct	*-269.04*	
		For >5,000, Deduct	*-446.77*	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,410.41	
		For Vinylester Resin, Add	*1,610.07*	
		For Epoxy Resin, Add	*189.76*	
		For Up To >10, Add	*1,480.98*	
		For >10 To 25, Add	*850.80*	
		For >25 To 50, Add	*625.49*	
		For >50 To 100, Add	*312.74*	
		For >500 To 1,000, Deduct	*-123.28*	
		For >1,000 To 2,000, Deduct	*-186.30*	
		For >2,000 To 5,000, Deduct	*-303.59*	
		For >5,000, Deduct	*-504.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,684.80	
		For Vinylester Resin, Add	*1,793.39*	
		For Epoxy Resin, Add	*211.36*	
		For Up To >10, Add	*1,649.45*	
		For >10 To 25, Add	*947.55*	
		For >25 To 50, Add	*696.63*	
		For >50 To 100, Add	*348.31*	
		For >500 To 1,000, Deduct	*-137.31*	
		For >1,000 To 2,000, Deduct	*-207.50*	
		For >2,000 To 5,000, Deduct	*-338.14*	
		For >5,000, Deduct	*-561.52*	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,966.04	
		For Vinylester Resin, Add	*1,976.69*	
		For Epoxy Resin, Add	*232.97*	
		For Up To >10, Add	*1,838.52*	
		For >10 To 25, Add	*1,061.46*	
		For >25 To 50, Add	*778.07*	
		For >50 To 100, Add	*389.03*	
		For >500 To 1,000, Deduct	*-151.86*	
		For >1,000 To 2,000, Deduct	*-229.56*	
		For >2,000 To 5,000, Deduct	*-374.41*	
		For >5,000, Deduct	*-621.65*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,241.54	
		For Vinylester Resin, Add	*2,160.00*	
		For Epoxy Resin, Add	*254.57*	
		For Up To >10, Add	*2,010.35*	
		For >10 To 25, Add	*1,161.00*	
		For >25 To 50, Add	*850.89*	
		For >50 To 100, Add	*425.44*	
		For >500 To 1,000, Deduct	*-165.97*	
		For >1,000 To 2,000, Deduct	*-250.91*	
		For >2,000 To 5,000, Deduct	*-409.24*	
		For >5,000, Deduct	*-679.47*	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,516.05	
		For Vinylester Resin, Add	*2,343.30*	
		For Epoxy Resin, Add	*276.17*	
		For Up To >10, Add	*2,179.23*	
		For >10 To 25, Add	*1,258.09*	
		For >25 To 50, Add	*922.23*	
		For >50 To 100, Add	*461.12*	
		For >500 To 1,000, Deduct	*-180.01*	
		For >1,000 To 2,000, Deduct	*-272.13*	
		For >2,000 To 5,000, Deduct	*-443.83*	
		For >5,000, Deduct	*-736.91*	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,791.13	
		For Vinylester Resin, Add	*2,526.61*	
		For Epoxy Resin, Add	*297.78*	
		For Up To >10, Add	*2,349.79*	
		For >10 To 25, Add	*1,356.59*	
		For >25 To 50, Add	*994.42*	
		For >50 To 100, Add	*497.21*	
		For >500 To 1,000, Deduct	*-194.10*	
		For >1,000 To 2,000, Deduct	*-293.42*	
		For >2,000 To 5,000, Deduct	*-478.56*	
		For >5,000, Deduct	*-794.56*	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,066.21	
		For Vinylester Resin, Add	*2,709.92*	
		For Epoxy Resin, Add	*319.38*	
		For Up To >10, Add	*2,520.36*	
		For >10 To 25, Add	*1,455.08*	
		For >25 To 50, Add	*1,066.61*	
		For >50 To 100, Add	*533.31*	
		For >500 To 1,000, Deduct	*-208.18*	
		For >1,000 To 2,000, Deduct	*-314.71*	
		For >2,000 To 5,000, Deduct	*-513.28*	
		For >5,000, Deduct	*-852.22*	
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,341.29	
		For Vinylester Resin, Add	*2,893.23*	
		For Epoxy Resin, Add	*340.99*	
		For Up To >10, Add	*2,690.92*	
		For >10 To 25, Add	*1,553.57*	
		For >25 To 50, Add	*1,138.80*	
		For >50 To 100, Add	*569.40*	
		For >500 To 1,000, Deduct	*-222.27*	
		For >1,000 To 2,000, Deduct	*-336.00*	
		For >2,000 To 5,000, Deduct	*-548.01*	
		For >5,000, Deduct	*-909.88*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,225.07	
		For Vinylester Resin, Add	*818.99*	
		For Epoxy Resin, Add	*96.52*	
		For Up To >10, Add	*750.24*	
		For >10 To 25, Add	*430.20*	
		For >25 To 50, Add	*316.62*	
		For >50 To 100, Add	*158.31*	
		For >500 To 1,000, Deduct	*-62.63*	
		For >1,000 To 2,000, Deduct	*-94.63*	
		For >2,000 To 5,000, Deduct	*-154.17*	
		For >5,000, Deduct	*-256.03*	
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,368.41	
		For Vinylester Resin, Add	*914.81*	
		For Epoxy Resin, Add	*107.82*	
		For Up To >10, Add	*838.06*	
		For >10 To 25, Add	*480.57*	
		For >25 To 50, Add	*353.68*	
		For >50 To 100, Add	*176.84*	
		For >500 To 1,000, Deduct	*-69.96*	
		For >1,000 To 2,000, Deduct	*-105.71*	
		For >2,000 To 5,000, Deduct	*-172.21*	
		For >5,000, Deduct	*-285.99*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,655.12	
		For Vinylester Resin, Add	*1,106.46*	
		For Epoxy Resin, Add	*130.40*	
		For Up To >10, Add	*1,013.74*	
		For >10 To 25, Add	*581.34*	
		For >25 To 50, Add	*427.84*	
		For >50 To 100, Add	*213.92*	
		For >500 To 1,000, Deduct	*-84.62*	
		For >1,000 To 2,000, Deduct	*-127.86*	
		For >2,000 To 5,000, Deduct	*-208.30*	
		For >5,000, Deduct	*-345.92*	
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,941.68	
		For Vinylester Resin, Add	*1,298.09*	
		For Epoxy Resin, Add	*152.99*	
		For Up To >10, Add	*1,188.99*	
		For >10 To 25, Add	*681.76*	
		For >25 To 50, Add	*501.77*	
		For >50 To 100, Add	*250.89*	
		For >500 To 1,000, Deduct	*-99.27*	
		For >1,000 To 2,000, Deduct	*-149.99*	
		For >2,000 To 5,000, Deduct	*-244.35*	
		For >5,000, Deduct	*-405.79*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,228.38	
		For Vinylester Resin, Add	*1,489.73*	
		For Epoxy Resin, Add	*175.58*	
		For Up To >10, Add	*1,364.67*	
		For >10 To 25, Add	*782.52*	
		For >25 To 50, Add	*575.92*	
		For >50 To 100, Add	*287.96*	
		For >500 To 1,000, Deduct	*-113.92*	
		For >1,000 To 2,000, Deduct	*-172.14*	
		For >2,000 To 5,000, Deduct	*-280.43*	
		For >5,000, Deduct	*-465.71*	
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,514.94	
		For Vinylester Resin, Add	*1,681.37*	
		For Epoxy Resin, Add	*198.16*	
		For Up To >10, Add	*1,539.92*	
		For >10 To 25, Add	*882.94*	
		For >25 To 50, Add	*649.86*	
		For >50 To 100, Add	*324.93*	
		For >500 To 1,000, Deduct	*-128.57*	
		For >1,000 To 2,000, Deduct	*-194.27*	
		For >2,000 To 5,000, Deduct	*-316.48*	
		For >5,000, Deduct	*-525.58*	
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,801.64	
		For Vinylester Resin, Add	*1,873.01*	
		For Epoxy Resin, Add	*220.75*	
		For Up To >10, Add	*1,715.60*	
		For >10 To 25, Add	*983.71*	
		For >25 To 50, Add	*724.01*	
		For >50 To 100, Add	*362.01*	
		For >500 To 1,000, Deduct	*-143.23*	
		For >1,000 To 2,000, Deduct	*-216.42*	
		For >2,000 To 5,000, Deduct	*-352.57*	
		For >5,000, Deduct	*-585.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,095.22	
		For Vinylester Resin, Add	*2,064.65*	
		For Epoxy Resin, Add	*243.33*	
		For Up To >10, Add	*1,911.91*	
		For >10 To 25, Add	*1,101.68*	
		For >25 To 50, Add	*808.48*	
		For >50 To 100, Add	*404.24*	
		For >500 To 1,000, Deduct	*-158.40*	
		For >1,000 To 2,000, Deduct	*-239.43*	
		For >2,000 To 5,000, Deduct	*-390.37*	
		For >5,000, Deduct	*-648.19*	
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,382.76	
		For Vinylester Resin, Add	*2,256.29*	
		For Epoxy Resin, Add	*265.92*	
		For Up To >10, Add	*2,090.11*	
		For >10 To 25, Add	*1,204.54*	
		For >25 To 50, Add	*883.89*	
		For >50 To 100, Add	*441.94*	
		For >500 To 1,000, Deduct	*-173.13*	
		For >1,000 To 2,000, Deduct	*-261.68*	
		For >2,000 To 5,000, Deduct	*-426.66*	
		For >5,000, Deduct	*-708.45*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,667.49	
		For Vinylester Resin, Add	*2,447.93*	
		For Epoxy Resin, Add	*288.51*	
		For Up To >10, Add	*2,259.87*	
		For >10 To 25, Add	*1,300.39*	
		For >25 To 50, Add	*955.08*	
		For >50 To 100, Add	*477.54*	
		For >500 To 1,000, Deduct	*-187.64*	
		For >1,000 To 2,000, Deduct	*-283.58*	
		For >2,000 To 5,000, Deduct	*-462.26*	
		For >5,000, Deduct	*-767.59*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,957.14	
		For Vinylester Resin, Add	*2,639.57*	
		For Epoxy Resin, Add	*311.09*	
		For Up To >10, Add	*2,444.40*	
		For >10 To 25, Add	*1,408.53*	
		For >25 To 50, Add	*1,033.66*	
		For >50 To 100, Add	*516.83*	
		For >500 To 1,000, Deduct	*-202.52*	
		For >1,000 To 2,000, Deduct	*-306.10*	
		For >2,000 To 5,000, Deduct	*-499.08*	
		For >5,000, Deduct	*-828.69*	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,244.40	
		For Vinylester Resin, Add	*2,831.21*	
		For Epoxy Resin, Add	*333.68*	
		For Up To >10, Add	*2,621.75*	
		For >10 To 25, Add	*1,510.70*	
		For >25 To 50, Add	*1,108.65*	
		For >50 To 100, Add	*554.32*	
		For >500 To 1,000, Deduct	*-217.22*	
		For >1,000 To 2,000, Deduct	*-328.32*	
		For >2,000 To 5,000, Deduct	*-535.30*	
		For >5,000, Deduct	*-888.84*	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,531.66	
		For Vinylester Resin, Add	*3,022.85*	
		For Epoxy Resin, Add	*356.26*	
		For Up To >10, Add	*2,799.11*	
		For >10 To 25, Add	*1,612.86*	
		For >25 To 50, Add	*1,183.64*	
		For >50 To 100, Add	*591.82*	
		For >500 To 1,000, Deduct	*-231.92*	
		For >1,000 To 2,000, Deduct	*-350.54*	
		For >2,000 To 5,000, Deduct	*-571.53*	
		For >5,000, Deduct	*-948.99*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,274.40	
		For Vinylester Resin, Add	*852.64*	
		For Epoxy Resin, Add	*100.49*	
		For Up To >10, Add	*778.08*	
		For >10 To 25, Add	*445.39*	
		For >25 To 50, Add	*328.14*	
		For >50 To 100, Add	*164.07*	
		For >500 To 1,000, Deduct	*-65.13*	
		For >1,000 To 2,000, Deduct	*-98.40*	
		For >2,000 To 5,000, Deduct	*-160.25*	
		For >5,000, Deduct	*-266.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,423.83	
		For Vinylester Resin, Add	*952.62*	
		For Epoxy Resin, Add	*112.27*	
		For Up To >10, Add	*869.29*	
		For >10 To 25, Add	*497.60*	
		For >25 To 50, Add	*366.60*	
		For >50 To 100, Add	*183.30*	
		For >500 To 1,000, Deduct	*-72.77*	
		For >1,000 To 2,000, Deduct	*-109.93*	
		For >2,000 To 5,000, Deduct	*-179.04*	
		For >5,000, Deduct	*-297.36*	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,722.72	
		For Vinylester Resin, Add	*1,152.59*	
		For Epoxy Resin, Add	*135.84*	
		For Up To >10, Add	*1,051.76*	
		For >10 To 25, Add	*602.04*	
		For >25 To 50, Add	*443.55*	
		For >50 To 100, Add	*221.78*	
		For >500 To 1,000, Deduct	*-88.04*	
		For >1,000 To 2,000, Deduct	*-133.01*	
		For >2,000 To 5,000, Deduct	*-216.63*	
		For >5,000, Deduct	*-359.78*	
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,021.61	
		For Vinylester Resin, Add	*1,352.57*	
		For Epoxy Resin, Add	*159.41*	
		For Up To >10, Add	*1,234.23*	
		For >10 To 25, Add	*706.49*	
		For >25 To 50, Add	*520.50*	
		For >50 To 100, Add	*260.25*	
		For >500 To 1,000, Deduct	*-103.31*	
		For >1,000 To 2,000, Deduct	*-156.09*	
		For >2,000 To 5,000, Deduct	*-254.21*	
		For >5,000, Deduct	*-422.20*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,320.35	
		For Vinylester Resin, Add	*1,552.54*	
		For Epoxy Resin, Add	*182.98*	
		For Up To >10, Add	*1,416.28*	
		For >10 To 25, Add	*810.58*	
		For >25 To 50, Add	*597.24*	
		For >50 To 100, Add	*298.62*	
		For >500 To 1,000, Deduct	*-118.58*	
		For >1,000 To 2,000, Deduct	*-179.15*	
		For >2,000 To 5,000, Deduct	*-291.76*	
		For >5,000, Deduct	*-484.56*	
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,619.23	
		For Vinylester Resin, Add	*1,752.51*	
		For Epoxy Resin, Add	*206.55*	
		For Up To >10, Add	*1,598.74*	
		For >10 To 25, Add	*915.02*	
		For >25 To 50, Add	*674.19*	
		For >50 To 100, Add	*337.10*	
		For >500 To 1,000, Deduct	*-133.85*	
		For >1,000 To 2,000, Deduct	*-202.22*	
		For >2,000 To 5,000, Deduct	*-329.34*	
		For >5,000, Deduct	*-546.98*	
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,918.12	
		For Vinylester Resin, Add	*1,952.48*	
		For Epoxy Resin, Add	*230.11*	
		For Up To >10, Add	*1,781.21*	
		For >10 To 25, Add	*1,019.47*	
		For >25 To 50, Add	*751.14*	
		For >50 To 100, Add	*375.57*	
		For >500 To 1,000, Deduct	*-149.13*	
		For >1,000 To 2,000, Deduct	*-225.30*	
		For >2,000 To 5,000, Deduct	*-366.93*	
		For >5,000, Deduct	*-609.40*	
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,224.16	
		For Vinylester Resin, Add	*2,152.45*	
		For Epoxy Resin, Add	*253.68*	
		For Up To >10, Add	*1,985.16*	
		For >10 To 25, Add	*1,141.81*	
		For >25 To 50, Add	*838.83*	
		For >50 To 100, Add	*419.42*	
		For >500 To 1,000, Deduct	*-164.94*	
		For >1,000 To 2,000, Deduct	*-249.27*	
		For >2,000 To 5,000, Deduct	*-406.30*	
		For >5,000, Deduct	*-674.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,523.74	
		For Vinylester Resin, Add	*2,352.42*	
		For Epoxy Resin, Add	*277.25*	
		For Up To >10, Add	*2,169.72*	
		For >10 To 25, Add	*1,248.00*	
		For >25 To 50, Add	*916.83*	
		For >50 To 100, Add	*458.42*	
		For >500 To 1,000, Deduct	*-180.27*	
		For >1,000 To 2,000, Deduct	*-272.44*	
		For >2,000 To 5,000, Deduct	*-444.06*	
		For >5,000, Deduct	*-737.38*	
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,818.56	
		For Vinylester Resin, Add	*2,552.40*	
		For Epoxy Resin, Add	*300.82*	
		For Up To >10, Add	*2,339.98*	
		For >10 To 25, Add	*1,342.27*	
		For >25 To 50, Add	*987.68*	
		For >50 To 100, Add	*493.84*	
		For >500 To 1,000, Deduct	*-195.24*	
		For >1,000 To 2,000, Deduct	*-295.01*	
		For >2,000 To 5,000, Deduct	*-480.62*	
		For >5,000, Deduct	*-798.17*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,122.78	
		For Vinylester Resin, Add	*2,752.37*	
		For Epoxy Resin, Add	*324.39*	
		For Up To >10, Add	*2,538.47*	
		For >10 To 25, Add	*1,460.06*	
		For >25 To 50, Add	*1,072.64*	
		For >50 To 100, Add	*536.32*	
		For >500 To 1,000, Deduct	*-210.91*	
		For >1,000 To 2,000, Deduct	*-318.75*	
		For >2,000 To 5,000, Deduct	*-519.54*	
		For >5,000, Deduct	*-862.72*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,422.36	
		For Vinylester Resin, Add	*2,952.33*	
		For Epoxy Resin, Add	*347.95*	
		For Up To >10, Add	*2,723.03*	
		For >10 To 25, Add	*1,566.26*	
		For >25 To 50, Add	*1,150.63*	
		For >50 To 100, Add	*575.32*	
		For >500 To 1,000, Deduct	*-226.24*	
		For >1,000 To 2,000, Deduct	*-341.91*	
		For >2,000 To 5,000, Deduct	*-557.30*	
		For >5,000, Deduct	*-925.42*	
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,721.95	
		For Vinylester Resin, Add	*3,152.31*	
		For Epoxy Resin, Add	*371.52*	
		For Up To >10, Add	*2,907.60*	
		For >10 To 25, Add	*1,672.45*	
		For >25 To 50, Add	*1,228.64*	
		For >50 To 100, Add	*614.32*	
		For >500 To 1,000, Deduct	*-241.56*	
		For >1,000 To 2,000, Deduct	*-365.08*	
		For >2,000 To 5,000, Deduct	*-595.06*	
		For >5,000, Deduct	*-988.12*	
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,021.39	
		For Vinylester Resin, Add	*3,352.28*	
		For Epoxy Resin, Add	*395.09*	
		For Up To >10, Add	*3,091.75*	
		For >10 To 25, Add	*1,778.29*	
		For >25 To 50, Add	*1,306.42*	
		For >50 To 100, Add	*653.21*	
		For >500 To 1,000, Deduct	*-256.88*	
		For >1,000 To 2,000, Deduct	*-388.23*	
		For >2,000 To 5,000, Deduct	*-632.78*	
		For >5,000, Deduct	*-1,050.76*	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,320.97	
		For Vinylester Resin, Add	*3,552.25*	
		For Epoxy Resin, Add	*418.66*	
		For Up To >10, Add	*3,276.31*	
		For >10 To 25, Add	*1,884.49*	
		For >25 To 50, Add	*1,384.42*	
		For >50 To 100, Add	*692.21*	
		For >500 To 1,000, Deduct	*-272.21*	
		For >1,000 To 2,000, Deduct	*-411.39*	
		For >2,000 To 5,000, Deduct	*-670.54*	
		For >5,000, Deduct	*-1,113.46*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,478.87	
		For Vinylester Resin, Add	*990.26*	
		For Epoxy Resin, Add	*116.71*	
		For Up To >10, Add	*899.96*	
		For >10 To 25, Add	*514.19*	
		For >25 To 50, Add	*379.25*	
		For >50 To 100, Add	*189.62*	
		For >500 To 1,000, Deduct	*-75.55*	
		For >1,000 To 2,000, Deduct	*-114.13*	
		For >2,000 To 5,000, Deduct	*-185.81*	
		For >5,000, Deduct	*-308.62*	
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,789.95	
		For Vinylester Resin, Add	*1,198.57*	
		For Epoxy Resin, Add	*141.26*	
		For Up To >10, Add	*1,089.25*	
		For >10 To 25, Add	*622.34*	
		For >25 To 50, Add	*459.01*	
		For >50 To 100, Add	*229.51*	
		For >500 To 1,000, Deduct	*-91.44*	
		For >1,000 To 2,000, Deduct	*-138.13*	
		For >2,000 To 5,000, Deduct	*-224.90*	
		For >5,000, Deduct	*-373.53*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,101.01	
		For Vinylester Resin, Add	*1,406.87*	
		For Epoxy Resin, Add	*165.81*	
		For Up To >10, Add	*1,278.48*	
		For >10 To 25, Add	*730.43*	
		For >25 To 50, Add	*538.75*	
		For >50 To 100, Add	*269.37*	
		For >500 To 1,000, Deduct	*-107.33*	
		For >1,000 To 2,000, Deduct	*-162.14*	
		For >2,000 To 5,000, Deduct	*-263.98*	
		For >5,000, Deduct	*-438.44*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,412.08	
		For Vinylester Resin, Add	*1,615.17*	
		For Epoxy Resin, Add	*190.36*	
		For Up To >10, Add	*1,467.77*	
		For >10 To 25, Add	*838.57*	
		For >25 To 50, Add	*618.51*	
		For >50 To 100, Add	*309.26*	
		For >500 To 1,000, Deduct	*-123.22*	
		For >1,000 To 2,000, Deduct	*-186.14*	
		For >2,000 To 5,000, Deduct	*-303.06*	
		For >5,000, Deduct	*-503.35*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,723.15	
		For Vinylester Resin, Add	*1,823.48*	
		For Epoxy Resin, Add	*214.91*	
		For Up To >10, Add	*1,657.03*	
		For >10 To 25, Add	*946.69*	
		For >25 To 50, Add	*698.26*	
		For >50 To 100, Add	*349.13*	
		For >500 To 1,000, Deduct	*-139.11*	
		For >1,000 To 2,000, Deduct	*-210.15*	
		For >2,000 To 5,000, Deduct	*-342.14*	
		For >5,000, Deduct	*-568.27*	
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,034.22	
		For Vinylester Resin, Add	*2,031.79*	
		For Epoxy Resin, Add	*239.46*	
		For Up To >10, Add	*1,846.29*	
		For >10 To 25, Add	*1,054.81*	
		For >25 To 50, Add	*778.02*	
		For >50 To 100, Add	*389.01*	
		For >500 To 1,000, Deduct	*-155.00*	
		For >1,000 To 2,000, Deduct	*-234.15*	
		For >2,000 To 5,000, Deduct	*-381.22*	
		For >5,000, Deduct	*-633.18*	
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,352.59	
		For Vinylester Resin, Add	*2,240.08*	
		For Epoxy Resin, Add	*264.01*	
		For Up To >10, Add	*2,057.47*	
		For >10 To 25, Add	*1,181.21*	
		For >25 To 50, Add	*868.73*	
		For >50 To 100, Add	*434.36*	
		For >500 To 1,000, Deduct	*-171.44*	
		For >1,000 To 2,000, Deduct	*-259.07*	
		For >2,000 To 5,000, Deduct	*-422.13*	
		For >5,000, Deduct	*-701.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,664.35	
		For Vinylester Resin, Add	*2,448.38*	
		For Epoxy Resin, Add	*288.56*	
		For Up To >10, Add	*2,248.83*	
		For >10 To 25, Add	*1,291.07*	
		For >25 To 50, Add	*949.53*	
		For >50 To 100, Add	*474.76*	
		For >500 To 1,000, Deduct	*-187.38*	
		For >1,000 To 2,000, Deduct	*-283.16*	
		For >2,000 To 5,000, Deduct	*-461.39*	
		For >5,000, Deduct	*-766.20*	
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,973.73	
		For Vinylester Resin, Add	*2,656.69*	
		For Epoxy Resin, Add	*313.11*	
		For Up To >10, Add	*2,433.02*	
		For >10 To 25, Add	*1,394.97*	
		For >25 To 50, Add	*1,026.74*	
		For >50 To 100, Add	*513.37*	
		For >500 To 1,000, Deduct	*-203.15*	
		For >1,000 To 2,000, Deduct	*-306.95*	
		For >2,000 To 5,000, Deduct	*-500.05*	
		For >5,000, Deduct	*-830.44*	
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,287.90	
		For Vinylester Resin, Add	*2,865.00*	
		For Epoxy Resin, Add	*337.66*	
		For Up To >10, Add	*2,631.58*	
		For >10 To 25, Add	*1,510.84*	
		For >25 To 50, Add	*1,111.15*	
		For >50 To 100, Add	*555.57*	
		For >500 To 1,000, Deduct	*-219.27*	
		For >1,000 To 2,000, Deduct	*-331.35*	
		For >2,000 To 5,000, Deduct	*-539.90*	
		For >5,000, Deduct	*-896.59*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,599.66	
		For Vinylester Resin, Add	*3,073.30*	
		For Epoxy Resin, Add	*362.21*	
		For Up To >10, Add	*2,822.91*	
		For >10 To 25, Add	*1,620.68*	
		For >25 To 50, Add	*1,191.93*	
		For >50 To 100, Add	*595.97*	
		For >500 To 1,000, Deduct	*-235.21*	
		For >1,000 To 2,000, Deduct	*-355.44*	
		For >2,000 To 5,000, Deduct	*-579.16*	
		For >5,000, Deduct	*-961.78*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,911.28	
		For Vinylester Resin, Add	*3,281.60*	
		For Epoxy Resin, Add	*386.76*	
		For Up To >10, Add	*3,013.84*	
		For >10 To 25, Add	*1,730.20*	
		For >25 To 50, Add	*1,272.52*	
		For >50 To 100, Add	*636.26*	
		For >500 To 1,000, Deduct	*-251.15*	
		For >1,000 To 2,000, Deduct	*-379.51*	
		For >2,000 To 5,000, Deduct	*-618.38*	
		For >5,000, Deduct	*-1,026.91*	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,223.05	
		For Vinylester Resin, Add	*3,489.91*	
		For Epoxy Resin, Add	*411.31*	
		For Up To >10, Add	*3,205.20*	
		For >10 To 25, Add	*1,840.07*	
		For >25 To 50, Add	*1,353.32*	
		For >50 To 100, Add	*676.66*	
		For >500 To 1,000, Deduct	*-267.09*	
		For >1,000 To 2,000, Deduct	*-403.60*	
		For >2,000 To 5,000, Deduct	*-657.64*	
		For >5,000, Deduct	*-1,092.10*	
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,534.83	
		For Vinylester Resin, Add	*3,698.21*	
		For Epoxy Resin, Add	*435.86*	
		For Up To >10, Add	*3,396.59*	
		For >10 To 25, Add	*1,949.97*	
		For >25 To 50, Add	*1,434.14*	
		For >50 To 100, Add	*717.07*	
		For >500 To 1,000, Deduct	*-283.03*	
		For >1,000 To 2,000, Deduct	*-427.70*	
		For >2,000 To 5,000, Deduct	*-696.90*	
		For >5,000, Deduct	*-1,157.30*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,856.94	
		For Vinylester Resin, Add	*1,244.38*	
		For Epoxy Resin, Add	*146.66*	
		For Up To >10, Add	*1,126.62*	
		For >10 To 25, Add	*642.57*	
		For >25 To 50, Add	*474.43*	
		For >50 To 100, Add	*237.21*	
		For >500 To 1,000, Deduct	*-94.83*	
		For >1,000 To 2,000, Deduct	*-143.23*	
		For >2,000 To 5,000, Deduct	*-233.14*	
		For >5,000, Deduct	*-387.24*	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,180.18	
		For Vinylester Resin, Add	*1,461.01*	
		For Epoxy Resin, Add	*172.19*	
		For Up To >10, Add	*1,322.64*	
		For >10 To 25, Add	*754.34*	
		For >25 To 50, Add	*556.96*	
		For >50 To 100, Add	*278.48*	
		For >500 To 1,000, Deduct	*-111.33*	
		For >1,000 To 2,000, Deduct	*-168.16*	
		For >2,000 To 5,000, Deduct	*-273.71*	
		For >5,000, Deduct	*-454.64*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,503.43	
		For Vinylester Resin, Add	*1,677.65*	
		For Epoxy Resin, Add	*197.72*	
		For Up To >10, Add	*1,518.69*	
		For >10 To 25, Add	*866.14*	
		For >25 To 50, Add	*639.51*	
		For >50 To 100, Add	*319.76*	
		For >500 To 1,000, Deduct	*-127.84*	
		For >1,000 To 2,000, Deduct	*-193.10*	
		For >2,000 To 5,000, Deduct	*-314.29*	
		For >5,000, Deduct	*-522.04*	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,826.68	
		For Vinylester Resin, Add	*1,894.28*	
		For Epoxy Resin, Add	*223.25*	
		For Up To >10, Add	*1,714.74*	
		For >10 To 25, Add	*977.93*	
		For >25 To 50, Add	*722.06*	
		For >50 To 100, Add	*361.03*	
		For >500 To 1,000, Deduct	*-144.35*	
		For >1,000 To 2,000, Deduct	*-218.03*	
		For >2,000 To 5,000, Deduct	*-354.87*	
		For >5,000, Deduct	*-589.45*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,150.08	
		For Vinylester Resin, Add	*2,110.92*	
		For Epoxy Resin, Add	*248.79*	
		For Up To >10, Add	*1,911.24*	
		For >10 To 25, Add	*1,090.10*	
		For >25 To 50, Add	*804.84*	
		For >50 To 100, Add	*402.42*	
		For >500 To 1,000, Deduct	*-160.87*	
		For >1,000 To 2,000, Deduct	*-242.98*	
		For >2,000 To 5,000, Deduct	*-395.49*	
		For >5,000, Deduct	*-656.91*	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,480.64	
		For Vinylester Resin, Add	*2,327.56*	
		For Epoxy Resin, Add	*274.32*	
		For Up To >10, Add	*2,129.22*	
		For >10 To 25, Add	*1,220.17*	
		For >25 To 50, Add	*898.36*	
		For >50 To 100, Add	*449.18*	
		For >500 To 1,000, Deduct	*-177.92*	
		For >1,000 To 2,000, Deduct	*-268.83*	
		For >2,000 To 5,000, Deduct	*-437.90*	
		For >5,000, Deduct	*-727.24*	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,804.59	
		For Vinylester Resin, Add	*2,544.19*	
		For Epoxy Resin, Add	*299.85*	
		For Up To >10, Add	*2,327.37*	
		For >10 To 25, Add	*1,333.72*	
		For >25 To 50, Add	*981.96*	
		For >50 To 100, Add	*490.98*	
		For >500 To 1,000, Deduct	*-194.48*	
		For >1,000 To 2,000, Deduct	*-293.85*	
		For >2,000 To 5,000, Deduct	*-478.65*	
		For >5,000, Deduct	*-794.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,128.54	
		For Vinylester Resin, Add	*2,760.83*	
		For Epoxy Resin, Add	*325.38*	
		For Up To >10, Add	*2,525.52*	
		For >10 To 25, Add	*1,447.26*	
		For >25 To 50, Add	*1,065.56*	
		For >50 To 100, Add	*532.78*	
		For >500 To 1,000, Deduct	*-211.04*	
		For >1,000 To 2,000, Deduct	*-318.87*	
		For >2,000 To 5,000, Deduct	*-519.41*	
		For >5,000, Deduct	*-862.61*	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,452.64	
		For Vinylester Resin, Add	*2,977.46*	
		For Epoxy Resin, Add	*350.92*	
		For Up To >10, Add	*2,724.12*	
		For >10 To 25, Add	*1,561.18*	
		For >25 To 50, Add	*1,149.38*	
		For >50 To 100, Add	*574.69*	
		For >500 To 1,000, Deduct	*-227.61*	
		For >1,000 To 2,000, Deduct	*-343.90*	
		For >2,000 To 5,000, Deduct	*-560.20*	
		For >5,000, Deduct	*-930.35*	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,776.59	
		For Vinylester Resin, Add	*3,194.10*	
		For Epoxy Resin, Add	*376.45*	
		For Up To >10, Add	*2,922.27*	
		For >10 To 25, Add	*1,674.73*	
		For >25 To 50, Add	*1,232.99*	
		For >50 To 100, Add	*616.49*	
		For >500 To 1,000, Deduct	*-244.17*	
		For >1,000 To 2,000, Deduct	*-368.92*	
		For >2,000 To 5,000, Deduct	*-600.96*	
		For >5,000, Deduct	*-998.04*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,100.54	
		For Vinylester Resin, Add	*3,410.74*	
		For Epoxy Resin, Add	*401.98*	
		For Up To >10, Add	*3,120.42*	
		For >10 To 25, Add	*1,788.27*	
		For >25 To 50, Add	*1,316.59*	
		For >50 To 100, Add	*658.29*	
		For >500 To 1,000, Deduct	*-260.73*	
		For >1,000 To 2,000, Deduct	*-393.94*	
		For >2,000 To 5,000, Deduct	*-641.71*	
		For >5,000, Deduct	*-1,065.72*	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,424.50	
		For Vinylester Resin, Add	*3,627.37*	
		For Epoxy Resin, Add	*427.51*	
		For Up To >10, Add	*3,318.60*	
		For >10 To 25, Add	*1,901.84*	
		For >25 To 50, Add	*1,400.20*	
		For >50 To 100, Add	*700.10*	
		For >500 To 1,000, Deduct	*-277.29*	
		For >1,000 To 2,000, Deduct	*-418.96*	
		For >2,000 To 5,000, Deduct	*-682.47*	
		For >5,000, Deduct	*-1,133.41*	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,748.45	
		For Vinylester Resin, Add	*3,844.01*	
		For Epoxy Resin, Add	*453.04*	
		For Up To >10, Add	*3,516.75*	
		For >10 To 25, Add	*2,015.39*	
		For >25 To 50, Add	*1,483.80*	
		For >50 To 100, Add	*741.90*	
		For >500 To 1,000, Deduct	*-293.85*	
		For >1,000 To 2,000, Deduct	*-443.98*	
		For >2,000 To 5,000, Deduct	*-723.23*	
		For >5,000, Deduct	*-1,201.09*	
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,072.40	
		For Vinylester Resin, Add	*4,060.64*	
		For Epoxy Resin, Add	*478.58*	
		For Up To >10, Add	*3,714.90*	
		For >10 To 25, Add	*2,128.93*	
		For >25 To 50, Add	*1,567.40*	
		For >50 To 100, Add	*783.70*	
		For >500 To 1,000, Deduct	*-310.41*	
		For >1,000 To 2,000, Deduct	*-469.00*	
		For >2,000 To 5,000, Deduct	*-763.98*	
		For >5,000, Deduct	*-1,268.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,396.36	
		For Vinylester Resin, Add	*4,277.28*	
		For Epoxy Resin, Add	*504.11*	
		For Up To >10, Add	*3,913.08*	
		For >10 To 25, Add	*2,242.50*	
		For >25 To 50, Add	*1,651.02*	
		For >50 To 100, Add	*825.51*	
		For >500 To 1,000, Deduct	*-326.97*	
		For >1,000 To 2,000, Deduct	*-494.03*	
		For >2,000 To 5,000, Deduct	*-804.74*	
		For >5,000, Deduct	*-1,336.46*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,258.99	
		For Vinylester Resin, Add	*1,515.00*	
		For Epoxy Resin, Add	*178.55*	
		For Up To >10, Add	*1,366.27*	
		For >10 To 25, Add	*777.85*	
		For >25 To 50, Add	*574.92*	
		For >50 To 100, Add	*287.46*	
		For >500 To 1,000, Deduct	*-115.32*	
		For >1,000 To 2,000, Deduct	*-174.16*	
		For >2,000 To 5,000, Deduct	*-283.39*	
		For >5,000, Deduct	*-470.74*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,594.41	
		For Vinylester Resin, Add	*1,739.96*	
		For Epoxy Resin, Add	*205.07*	
		For Up To >10, Add	*1,569.11*	
		For >10 To 25, Add	*893.31*	
		For >25 To 50, Add	*660.27*	
		For >50 To 100, Add	*330.14*	
		For >500 To 1,000, Deduct	*-132.44*	
		For >1,000 To 2,000, Deduct	*-200.02*	
		For >2,000 To 5,000, Deduct	*-325.47*	
		For >5,000, Deduct	*-540.63*	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,929.86	
		For Vinylester Resin, Add	*1,964.93*	
		For Epoxy Resin, Add	*231.58*	
		For Up To >10, Add	*1,771.98*	
		For >10 To 25, Add	*1,008.81*	
		For >25 To 50, Add	*745.64*	
		For >50 To 100, Add	*372.82*	
		For >500 To 1,000, Deduct	*-149.56*	
		For >1,000 To 2,000, Deduct	*-225.88*	
		For >2,000 To 5,000, Deduct	*-367.55*	
		For >5,000, Deduct	*-610.54*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,265.29	
		For Vinylester Resin, Add	*2,189.89*	
		For Epoxy Resin, Add	*258.09*	
		For Up To >10, Add	*1,974.82*	
		For >10 To 25, Add	*1,124.28*	
		For >25 To 50, Add	*830.99*	
		For >50 To 100, Add	*415.49*	
		For >500 To 1,000, Deduct	*-166.69*	
		For >1,000 To 2,000, Deduct	*-251.74*	
		For >2,000 To 5,000, Deduct	*-409.63*	
		For >5,000, Deduct	*-680.43*	
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,608.31	
		For Vinylester Resin, Add	*2,414.87*	
		For Epoxy Resin, Add	*284.61*	
		For Up To >10, Add	*2,200.41*	
		For >10 To 25, Add	*1,258.70*	
		For >25 To 50, Add	*927.71*	
		For >50 To 100, Add	*463.86*	
		For >500 To 1,000, Deduct	*-184.38*	
		For >1,000 To 2,000, Deduct	*-278.55*	
		For >2,000 To 5,000, Deduct	*-453.60*	
		For >5,000, Deduct	*-753.36*	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,944.45	
		For Vinylester Resin, Add	*2,639.83*	
		For Epoxy Resin, Add	*311.12*	
		For Up To >10, Add	*2,405.38*	
		For >10 To 25, Add	*1,375.95*	
		For >25 To 50, Add	*1,014.13*	
		For >50 To 100, Add	*507.06*	
		For >500 To 1,000, Deduct	*-201.55*	
		For >1,000 To 2,000, Deduct	*-304.50*	
		For >2,000 To 5,000, Deduct	*-495.86*	
		For >5,000, Deduct	*-823.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,280.59	
		For Vinylester Resin, Add	*2,864.80*	
		For Epoxy Resin, Add	*337.64*	
		For Up To >10, Add	*2,610.35*	
		For >10 To 25, Add	*1,493.19*	
		For >25 To 50, Add	*1,100.54*	
		For >50 To 100, Add	*550.27*	
		For >500 To 1,000, Deduct	*-218.73*	
		For >1,000 To 2,000, Deduct	*-330.45*	
		For >2,000 To 5,000, Deduct	*-538.11*	
		For >5,000, Deduct	*-893.72*	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,616.72	
		For Vinylester Resin, Add	*3,089.77*	
		For Epoxy Resin, Add	*364.15*	
		For Up To >10, Add	*2,815.29*	
		For >10 To 25, Add	*1,610.41*	
		For >25 To 50, Add	*1,186.95*	
		For >50 To 100, Add	*593.47*	
		For >500 To 1,000, Deduct	*-235.91*	
		For >1,000 To 2,000, Deduct	*-356.39*	
		For >2,000 To 5,000, Deduct	*-580.37*	
		For >5,000, Deduct	*-963.90*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,952.87	
		For Vinylester Resin, Add	*3,314.74*	
		For Epoxy Resin, Add	*390.67*	
		For Up To >10, Add	*3,020.26*	
		For >10 To 25, Add	*1,727.66*	
		For >25 To 50, Add	*1,273.36*	
		For >50 To 100, Add	*636.68*	
		For >500 To 1,000, Deduct	*-253.08*	
		For >1,000 To 2,000, Deduct	*-382.34*	
		For >2,000 To 5,000, Deduct	*-622.62*	
		For >5,000, Deduct	*-1,034.08*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,289.00	
		For Vinylester Resin, Add	*3,539.70*	
		For Epoxy Resin, Add	*417.18*	
		For Up To >10, Add	*3,225.20*	
		For >10 To 25, Add	*1,844.88*	
		For >25 To 50, Add	*1,359.76*	
		For >50 To 100, Add	*679.88*	
		For >500 To 1,000, Deduct	*-270.26*	
		For >1,000 To 2,000, Deduct	*-408.29*	
		For >2,000 To 5,000, Deduct	*-664.88*	
		For >5,000, Deduct	*-1,104.26*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,625.14	
		For Vinylester Resin, Add	*3,764.67*	
		For Epoxy Resin, Add	*443.69*	
		For Up To >10, Add	*3,430.17*	
		For >10 To 25, Add	*1,962.13*	
		For >25 To 50, Add	*1,446.18*	
		For >50 To 100, Add	*723.09*	
		For >500 To 1,000, Deduct	*-287.43*	
		For >1,000 To 2,000, Deduct	*-434.24*	
		For >2,000 To 5,000, Deduct	*-707.13*	
		For >5,000, Deduct	*-1,174.44*	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,961.27	
		For Vinylester Resin, Add	*3,989.64*	
		For Epoxy Resin, Add	*470.21*	
		For Up To >10, Add	*3,635.11*	
		For >10 To 25, Add	*2,079.35*	
		For >25 To 50, Add	*1,532.58*	
		For >50 To 100, Add	*766.29*	
		For >500 To 1,000, Deduct	*-304.61*	
		For >1,000 To 2,000, Deduct	*-460.18*	
		For >2,000 To 5,000, Deduct	*-749.39*	
		For >5,000, Deduct	*-1,244.61*	
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,297.41	
		For Vinylester Resin, Add	*4,214.61*	
		For Epoxy Resin, Add	*496.72*	
		For Up To >10, Add	*3,840.06*	
		For >10 To 25, Add	*2,196.57*	
		For >25 To 50, Add	*1,618.98*	
		For >50 To 100, Add	*809.49*	
		For >500 To 1,000, Deduct	*-321.78*	
		For >1,000 To 2,000, Deduct	*-486.13*	
		For >2,000 To 5,000, Deduct	*-791.64*	
		For >5,000, Deduct	*-1,314.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,633.54	
		For Vinylester Resin, Add	*4,439.58*	
		For Epoxy Resin, Add	*523.24*	
		For Up To >10, Add	*4,045.00*	
		For >10 To 25, Add	*2,313.79*	
		For >25 To 50, Add	*1,705.39*	
		For >50 To 100, Add	*852.69*	
		For >500 To 1,000, Deduct	*-338.96*	
		For >1,000 To 2,000, Deduct	*-512.08*	
		For >2,000 To 5,000, Deduct	*-833.89*	
		For >5,000, Deduct	*-1,384.97*	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,685.01	
		For Vinylester Resin, Add	*1,802.10*	
		For Epoxy Resin, Add	*212.39*	
		For Up To >10, Add	*1,618.96*	
		For >10 To 25, Add	*920.06*	
		For >25 To 50, Add	*680.76*	
		For >50 To 100, Add	*340.38*	
		For >500 To 1,000, Deduct	*-137.02*	
		For >1,000 To 2,000, Deduct	*-206.90*	
		For >2,000 To 5,000, Deduct	*-336.58*	
		For >5,000, Deduct	*-559.12*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,032.65	
		For Vinylester Resin, Add	*2,035.41*	
		For Epoxy Resin, Add	*239.89*	
		For Up To >10, Add	*1,828.63*	
		For >10 To 25, Add	*1,039.23*	
		For >25 To 50, Add	*768.93*	
		For >50 To 100, Add	*384.46*	
		For >500 To 1,000, Deduct	*-154.76*	
		For >1,000 To 2,000, Deduct	*-233.69*	
		For >2,000 To 5,000, Deduct	*-380.16*	
		For >5,000, Deduct	*-631.51*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,380.26	
		For Vinylester Resin, Add	*2,268.71*	
		For Epoxy Resin, Add	*267.38*	
		For Up To >10, Add	*2,038.26*	
		For >10 To 25, Add	*1,158.38*	
		For >25 To 50, Add	*857.08*	
		For >50 To 100, Add	*428.54*	
		For >500 To 1,000, Deduct	*-172.49*	
		For >1,000 To 2,000, Deduct	*-260.48*	
		For >2,000 To 5,000, Deduct	*-423.73*	
		For >5,000, Deduct	*-703.90*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,735.60	
		For Vinylester Resin, Add	*2,502.00*	
		For Epoxy Resin, Add	*294.88*	
		For Up To >10, Add	*2,271.08*	
		For >10 To 25, Add	*1,296.85*	
		For >25 To 50, Add	*956.82*	
		For >50 To 100, Add	*478.41*	
		For >500 To 1,000, Deduct	*-190.81*	
		For >1,000 To 2,000, Deduct	*-288.24*	
		For >2,000 To 5,000, Deduct	*-469.24*	
		For >5,000, Deduct	*-779.38*	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,083.93	
		For Vinylester Resin, Add	*2,735.31*	
		For Epoxy Resin, Add	*322.38*	
		For Up To >10, Add	*2,482.84*	
		For >10 To 25, Add	*1,417.77*	
		For >25 To 50, Add	*1,046.04*	
		For >50 To 100, Add	*523.02*	
		For >500 To 1,000, Deduct	*-208.61*	
		For >1,000 To 2,000, Deduct	*-315.11*	
		For >2,000 To 5,000, Deduct	*-513.00*	
		For >5,000, Deduct	*-852.06*	
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,432.26	
		For Vinylester Resin, Add	*2,968.61*	
		For Epoxy Resin, Add	*349.87*	
		For Up To >10, Add	*2,694.61*	
		For >10 To 25, Add	*1,538.69*	
		For >25 To 50, Add	*1,135.26*	
		For >50 To 100, Add	*567.63*	
		For >500 To 1,000, Deduct	*-226.40*	
		For >1,000 To 2,000, Deduct	*-341.99*	
		For >2,000 To 5,000, Deduct	*-556.75*	
		For >5,000, Deduct	*-924.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,780.57	
		For Vinylester Resin, Add	*3,201.91*	
		For Epoxy Resin, Add	*377.37*	
		For Up To >10, Add	*2,906.34*	
		For >10 To 25, Add	*1,659.59*	
		For >25 To 50, Add	*1,224.46*	
		For >50 To 100, Add	*612.23*	
		For >500 To 1,000, Deduct	*-244.19*	
		For >1,000 To 2,000, Deduct	*-368.86*	
		For >2,000 To 5,000, Deduct	*-600.50*	
		For >5,000, Deduct	*-997.40*	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,128.90	
		For Vinylester Resin, Add	*3,435.21*	
		For Epoxy Resin, Add	*404.86*	
		For Up To >10, Add	*3,118.10*	
		For >10 To 25, Add	*1,780.51*	
		For >25 To 50, Add	*1,313.68*	
		For >50 To 100, Add	*656.84*	
		For >500 To 1,000, Deduct	*-261.98*	
		For >1,000 To 2,000, Deduct	*-395.74*	
		For >2,000 To 5,000, Deduct	*-644.26*	
		For >5,000, Deduct	*-1,070.07*	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,477.21	
		For Vinylester Resin, Add	*3,668.50*	
		For Epoxy Resin, Add	*432.36*	
		For Up To >10, Add	*3,329.83*	
		For >10 To 25, Add	*1,901.41*	
		For >25 To 50, Add	*1,402.88*	
		For >50 To 100, Add	*701.44*	
		For >500 To 1,000, Deduct	*-279.77*	
		For >1,000 To 2,000, Deduct	*-422.62*	
		For >2,000 To 5,000, Deduct	*-688.01*	
		For >5,000, Deduct	*-1,142.74*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,825.53	
		For Vinylester Resin, Add	*3,901.81*	
		For Epoxy Resin, Add	*459.86*	
		For Up To >10, Add	*3,541.57*	
		For >10 To 25, Add	*2,022.30*	
		For >25 To 50, Add	*1,492.08*	
		For >50 To 100, Add	*746.04*	
		For >500 To 1,000, Deduct	*-297.56*	
		For >1,000 To 2,000, Deduct	*-449.49*	
		For >2,000 To 5,000, Deduct	*-731.76*	
		For >5,000, Deduct	*-1,215.41*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,173.87	
		For Vinylester Resin, Add	*4,135.11*	
		For Epoxy Resin, Add	*487.35*	
		For Up To >10, Add	*3,753.36*	
		For >10 To 25, Add	*2,143.25*	
		For >25 To 50, Add	*1,581.32*	
		For >50 To 100, Add	*790.66*	
		For >500 To 1,000, Deduct	*-315.36*	
		For >1,000 To 2,000, Deduct	*-476.37*	
		For >2,000 To 5,000, Deduct	*-775.52*	
		For >5,000, Deduct	*-1,288.09*	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,522.18	
		For Vinylester Resin, Add	*4,368.41*	
		For Epoxy Resin, Add	*514.85*	
		For Up To >10, Add	*3,965.09*	
		For >10 To 25, Add	*2,264.15*	
		For >25 To 50, Add	*1,670.52*	
		For >50 To 100, Add	*835.26*	
		For >500 To 1,000, Deduct	*-333.15*	
		For >1,000 To 2,000, Deduct	*-503.24*	
		For >2,000 To 5,000, Deduct	*-819.27*	
		For >5,000, Deduct	*-1,360.76*	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,870.50	
		For Vinylester Resin, Add	*4,601.71*	
		For Epoxy Resin, Add	*542.34*	
		For Up To >10, Add	*4,176.83*	
		For >10 To 25, Add	*2,385.04*	
		For >25 To 50, Add	*1,759.72*	
		For >50 To 100, Add	*879.86*	
		For >500 To 1,000, Deduct	*-350.94*	
		For >1,000 To 2,000, Deduct	*-530.12*	
		For >2,000 To 5,000, Deduct	*-863.02*	
		For >5,000, Deduct	*-1,433.43*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	578.43
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	625.33
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	664.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	703.50	
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	742.58	
33 01 30 74-0008		Grout Lateral Service *(33 01 30 74-0001)*		
33 01 30 74-0009		Grout Lateral Service - Bladder *(33 01 30 74-0008)*		
33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	625.17	
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	717.25	
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	809.36	
33 01 30 74-0013		Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*		
33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	680.51	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	735.85	
33 01 30 74-0016		Lateral T-Liner *(33 01 30 74-0001)*		
		Note: As manufactured by LMK.		
33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	820.31	
33 01 30 74-0018	EA	6" Lateral T-Liner	919.63	
33 01 30 74-0019	EA	8" Lateral T-Liner	1,069.07	
33 01 30 74-0020		Lining Lateral Pipe *(33 01 30 74-0001)*		
33 01 30 74-0021		Lining Lateral Pipe *(33 01 30 74-0020)*		
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	44.06	
		For 7.5mm, Add	*5.20*	
		For 9 mm, Add	*10.29*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	53.06	
		For 7.5mm, Add	*7.09*	
		For 9 mm, Add	*14.02*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	69.98	
		For 7.5mm, Add	*10.85*	
		For 9 mm, Add	*21.46*	
33 01 30 79		**Fold-and-Form Pipe Lining** *(33 01 30)*		
33 01 30 79-0001		Form and Fold Relining Underground Pipelines *(33 01 30 79)*		
		Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002		Set-Up And Reinsertion For Fold-And-Form Relining Underground Pipelines *(33 01 30 79-0001)*		
33 01 30 79-0003	EA	Initial Set-up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	5,620.77	
33 01 30 79-0004	EA	Move And Set-up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,248.31	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*		
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	38.89	
		For DR 26 Pipe Liner, Add	*6.71*	
		For Up To 75, Add	*23.44*	
		For >75 To 150, Add	*11.72*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.81*	
		For >2,000, Deduct	*-3.62*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	49.43	
		For DR 26 Pipe Liner, Add	*9.12*	
		For DR 35 Pipe Liner, Deduct	*-4.56*	
		For Up To 75, Add	*26.75*	
		For >75 To 150, Add	*13.37*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000, Deduct	*-3.89*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	51.19	
		For DR 26 Pipe Liner, Add	*9.29*	
		For DR 35 Pipe Liner, Deduct	*-4.64*	
		For Up To 75, Add	*28.50*	
		For >75 To 150, Add	*14.25*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-4.22*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	71.03	
		For DR 26 Pipe Liner, Add	*13.93*	
		For DR 35 Pipe Liner, Deduct	*-6.96*	
		For DR 41 Pipe Liner, Deduct	*-13.93*	
		For Up To 75, Add	*34.14*	
		For >75 To 150, Add	*17.07*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000, Deduct	*-4.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	98.39	
		For DR 26 Pipe Liner, Add	*20.38*	
		For DR 35 Pipe Liner, Deduct	*-10.19*	
		For DR 41 Pipe Liner, Deduct	*-20.38*	
		For Up To 75, Add	*41.60*	
		For >75 To 150, Add	*20.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.53*	
		For >2,000, Deduct	*-5.06*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	133.94	
		For DR 35 Pipe Liner, Deduct	*-14.35*	
		For DR 41 Pipe Liner, Deduct	*-28.70*	
		For Up To 75, Add	*51.70*	
		For >75 To 150, Add	*25.85*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.87*	
		For >2,000, Deduct	*-5.75*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	188.06	
		For DR 41 Pipe Liner, Deduct	*-16.64*	
		For DR 50 Pipe Liner, Deduct	*-33.29*	
		For Up To 75, Add	*65.72*	
		For >75 To 150, Add	*32.86*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000 To 2,000, Deduct	*-3.24*	
		For >2,000, Deduct	*-6.49*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	212.48	
		For DR 50 Pipe Liner, Deduct	*-28.36*	
		For DR 55 Pipe Liner, Deduct	*-47.27*	
		For Up To 75, Add	*72.94*	
		For >75 To 150, Add	*36.47*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000, Deduct	*-7.03*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	258.49	
		For DR 60 Pipe Liner, Deduct	*-34.94*	
		For Up To 75, Add	*84.91*	
		For >75 To 150, Add	*42.46*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000, Deduct	*-7.67*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	41.42	
		For Up To 75, Add	*23.95*	
		For >75 To 150, Add	*11.97*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.81*	
		For >2,000, Deduct	*-3.62*	
		For DR 26 Pipe Liner, Add	*7.34*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	49.43	
		For Up To 75, Add	*26.75*	
		For >75 To 150, Add	*13.37*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000, Deduct	*-3.89*	
		For DR 26 Pipe Liner, Add	*9.12*	
		For DR 35 Pipe Liner, Deduct	*-4.56*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	54.56	
		For Up To 75, Add	*29.18*	
		For >75 To 150, Add	*14.59*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-4.22*	
		For DR 26 Pipe Liner, Add	*10.13*	
		For DR 35 Pipe Liner, Deduct	*-5.06*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	76.10	
		For Up To 75, Add	*35.15*	
		For >75 To 150, Add	*17.57*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000, Deduct	*-4.60*	
		For DR 26 Pipe Liner, Add	*15.19*	
		For DR 35 Pipe Liner, Deduct	*-7.60*	
		For DR 41 Pipe Liner, Deduct	*-15.19*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	105.99	
		For Up To 75, Add	*43.12*	
		For >75 To 150, Add	*21.56*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.53*	
		For >2,000, Deduct	*-5.06*	
		For DR 26 Pipe Liner, Add	*22.28*	
		For DR 35 Pipe Liner, Deduct	*-11.14*	
		For DR 41 Pipe Liner, Deduct	*-22.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	144.75	
		For Up To 75, Add	*53.86*	
		For >75 To 150, Add	*26.93*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.87*	
		For >2,000, Deduct	*-5.75*	
		For DR 35 Pipe Liner, Deduct	*-15.70*	
		For DR 41 Pipe Liner, Deduct	*-31.40*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	203.92	
		For Up To 75, Add	*68.89*	
		For >75 To 150, Add	*34.45*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000 To 2,000, Deduct	*-3.24*	
		For >2,000, Deduct	*-6.49*	
		For DR 41 Pipe Liner, Deduct	*-18.23*	
		For DR 50 Pipe Liner, Deduct	*-36.46*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	230.03	
		For Up To 75, Add	*76.45*	
		For >75 To 150, Add	*38.23*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000, Deduct	*-7.03*	
		For DR 50 Pipe Liner, Deduct	*-30.99*	
		For DR 55 Pipe Liner, Deduct	*-51.65*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	280.78	
		For Up To 75, Add	*89.37*	
		For >75 To 150, Add	*44.69*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000, Deduct	*-7.67*	
		For DR 60 Pipe Liner, Deduct	*-38.28*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Set-up For Inspection And Ventilation System *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	204.89
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	15,348.50
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	21,754.01

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	592.80
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	624.84
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	640.87
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	737.00
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	833.13
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	929.26
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	1,121.53

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	865.18
33 01 30 81-0017	EA	30" External Manhole Encapsulation	913.23
33 01 30 81-0018	EA	36" External Manhole Encapsulation	977.33
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,057.44
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,169.58
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,297.76
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,457.98

33 01 30 81-0023 Manhole Crack Repair *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	58.84
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	79.26
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	55.49
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	75.30

33 01 30 81-0028 Manhole Patching *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	19.32
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	43.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0031		**Manhole Joint Restoration** *(33 01 30 81-0001)* Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,490.09	
		For Grouting Each Additional Manhole Joint Section, Add	*241.29*	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,906.87	
		For Grouting Each Additional Manhole Joint Section, Add	*269.00*	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,320.12	
		For Grouting Each Additional Manhole Joint Section, Add	*296.72*	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,944.06	
		For Grouting Each Additional Manhole Joint Section, Add	*310.58*	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	4,566.23	
		For Grouting Each Additional Manhole Joint Section, Add	*324.43*	
33 01 30 81-0037		**Step Installation In Existing Manholes** *(33 01 30 81-0001)* Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	136.57	23.85
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step	121.29	23.85
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step	144.22	23.85
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step	150.36	23.85
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step	73.69	19.08
33 01 30 81-0043		**Manhole Penetration Sealing** *(33 01 30 81-0001)* Note: At new pipe connection to manhole.		
33 01 30 81-0044	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	450.52	
33 01 30 81-0045	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	699.03	
33 01 30 81-0046	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	963.03	
33 01 30 81-0047		**Invert Restoration** *(33 01 30 81-0001)* Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048		**Concrete Invert Restoration** *(33 01 30 81-0047)*		
33 01 30 81-0049	EA	2' Diameter, Concrete Invert Restoration	400.81	
33 01 30 81-0050	EA	3' Diameter, Concrete Invert Restoration	452.03	
33 01 30 81-0051	EA	4' Diameter, Concrete Invert Restoration	503.26	
33 01 30 81-0052	EA	5' Diameter, Concrete Invert Restoration	554.48	
33 01 30 81-0053	EA	6' Diameter, Concrete Invert Restoration	708.15	
33 01 30 81-0054	SF	Square Or Rectangular, Concrete Invert Restoration	40.02	
33 01 30 81-0055		**Brick Invert Restoration** *(33 01 30 81-0047)*		
33 01 30 81-0056	EA	2' Diameter, Brick Invert Restoration	661.83	
33 01 30 81-0057	EA	3' Diameter, Brick Invert Restoration	713.05	
33 01 30 81-0058	EA	4' Diameter, Brick Invert Restoration	764.27	
33 01 30 81-0059	EA	5' Diameter, Brick Invert Restoration	815.50	
33 01 30 81-0060	EA	6' Diameter, Brick Invert Restoration	866.72	
33 01 30 81-0061	SF	Square Or Rectangular, Brick Invert Restoration	56.34	
33 01 30 81-0062		**Repair In-Kind Of Drainage Structures** *(33 01 30 81)* Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0063	VLF	2' Diameter, Repair In-Kind Drainage Structure	853.50	
33 01 30 81-0064	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,280.25	
33 01 30 81-0065	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,707.12	
33 01 30 81-0066	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,133.75	
33 01 30 81-0067	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,560.51	
33 01 30 81-0068	VLF	2' x 2', Repair In-Kind Drainage Structure	1,087.26	
33 01 30 81-0069	VLF	2' x 3', Repair In-Kind Drainage Structure	1,359.08	
33 01 30 81-0070	VLF	2' x 4', Repair In-Kind Drainage Structure	1,630.90	
33 01 30 81-0071	VLF	3' x 4', Repair In-Kind Drainage Structure	1,902.71	
33 01 30 81-0072	VLF	4' x 4', Repair In-Kind Drainage Structure	2,174.53	
33 01 30 81-0073	VLF	4' x 5', Repair In-Kind Drainage Structure	2,446.35	
33 01 30 81-0074	VLF	4' x 6', Repair In-Kind Drainage Structure	2,718.16	
33 01 30 81-0075	VLF	4' x 8', Repair In-Kind Drainage Structure	3,261.79	
33 01 30 81-0076	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,805.43	
33 01 30 82		**Epoxy Lining for Concrete Manholes** *(33 01 30)*		
33 01 30 82-0001		Epoxy Manhole Restoration, Interior *(33 01 30 82)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	375.05	
		For 80 Mil Material, Add	*44.47*	
		For 100 Mil Material, Add	*88.94*	
		For 125 Mil Material, Add	*138.68*	
		For 150 Mil Material, Add	*188.43*	
		For 200 Mil Material, Add	*272.32*	
		For 2 To 5 Manholes, Deduct	*-26.55*	
		For 6 To 10 Manholes, Deduct	*-43.72*	
		For >10 Manholes, Deduct	*-87.44*	
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	454.95	
		For 80 Mil Material, Add	*53.20*	
		For 100 Mil Material, Add	*106.41*	
		For 125 Mil Material, Add	*165.77*	
		For 150 Mil Material, Add	*225.13*	
		For 200 Mil Material, Add	*324.80*	
		For 2 To 5 Manholes, Deduct	*-32.27*	
		For 6 To 10 Manholes, Deduct	*-53.18*	
		For >10 Manholes, Deduct	*-106.35*	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	500.06	
		For 80 Mil Material, Add	*59.29*	
		For 100 Mil Material, Add	*118.58*	
		For 125 Mil Material, Add	*184.91*	
		For 150 Mil Material, Add	*251.23*	
		For 200 Mil Material, Add	*363.08*	
		For 2 To 5 Manholes, Deduct	*-35.40*	
		For 6 To 10 Manholes, Deduct	*-58.29*	
		For >10 Manholes, Deduct	*-116.58*	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	625.16	
		For 80 Mil Material, Add	*74.14*	
		For 100 Mil Material, Add	*148.28*	
		For 125 Mil Material, Add	*231.21*	
		For 150 Mil Material, Add	*314.15*	
		For 200 Mil Material, Add	*454.03*	
		For 2 To 5 Manholes, Deduct	*-44.25*	
		For 6 To 10 Manholes, Deduct	*-72.87*	
		For >10 Manholes, Deduct	*-145.74*	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	750.16	
		For 80 Mil Material, Add	*88.96*	
		For 100 Mil Material, Add	*177.92*	
		For 125 Mil Material, Add	*277.43*	
		For 150 Mil Material, Add	*376.94*	
		For 200 Mil Material, Add	*544.78*	
		For 2 To 5 Manholes, Deduct	*-53.10*	
		For 6 To 10 Manholes, Deduct	*-87.44*	
		For >10 Manholes, Deduct	*-174.88*	

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	160.08	
		For Each Additional 1/2" Thick Material, Add	*38.76*	
		For 2 To 5 Manholes, Deduct	*-11.30*	
		For 6 To 10 Manholes, Deduct	*-18.59*	
		For >10 Manholes, Deduct	*-37.18*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	185.61	
		For Each Additional 1/2" Thick Material, Add	*45.11*	
		For 2 To 5 Manholes, Deduct	*-13.09*	
		For 6 To 10 Manholes, Deduct	*-21.54*	
		For >10 Manholes, Deduct	*-43.08*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	211.14	
		For Each Additional 1/2" Thick Material, Add	*51.45*	
		For 2 To 5 Manholes, Deduct	*-14.89*	
		For 6 To 10 Manholes, Deduct	*-24.50*	
		For >10 Manholes, Deduct	*-48.99*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	248.55	
		For Each Additional 1/2" Thick Material, Add	*62.95*	
		For 2 To 5 Manholes, Deduct	*-17.45*	
		For 6 To 10 Manholes, Deduct	*-28.69*	
		For >10 Manholes, Deduct	*-57.38*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	271.66	
		For Each Additional 1/2" Thick Material, Add	*72.66*	
		For 2 To 5 Manholes, Deduct	*-18.95*	
		For 6 To 10 Manholes, Deduct	*-31.11*	
		For >10 Manholes, Deduct	*-62.23*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	333.88	
		For 80 Mil Material, Add	*30.75*	
		For 100 Mil Material, Add	*61.50*	
		For 125 Mil Material, Add	*94.08*	
		For 150 Mil Material, Add	*126.67*	
		For 200 Mil Material, Add	*176.26*	
		For 2 To 5 Manholes, Deduct	*-24.49*	
		For 6 To 10 Manholes, Deduct	*-40.63*	
		For >10 Manholes, Deduct	*-81.26*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	406.85	
		For 80 Mil Material, Add	*37.17*	
		For 100 Mil Material, Add	*74.34*	
		For 125 Mil Material, Add	*113.66*	
		For 150 Mil Material, Add	*152.98*	
		For 200 Mil Material, Add	*212.56*	
		For 2 To 5 Manholes, Deduct	*-29.87*	
		For 6 To 10 Manholes, Deduct	*-49.57*	
		For >10 Manholes, Deduct	*-99.14*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	445.17	
		For 80 Mil Material, Add	*41.00*	
		For 100 Mil Material, Add	*81.99*	
		For 125 Mil Material, Add	*125.44*	
		For 150 Mil Material, Add	*168.89*	
		For 200 Mil Material, Add	*235.00*	
		For 2 To 5 Manholes, Deduct	*-32.65*	
		For 6 To 10 Manholes, Deduct	*-54.17*	
		For >10 Manholes, Deduct	*-108.35*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	556.47	
		For 80 Mil Material, Add	*51.24*	
		For 100 Mil Material, Add	*102.49*	
		For 125 Mil Material, Add	*156.80*	
		For 150 Mil Material, Add	*211.11*	
		For 200 Mil Material, Add	*293.75*	
		For 2 To 5 Manholes, Deduct	*-40.82*	
		For 6 To 10 Manholes, Deduct	*-67.72*	
		For >10 Manholes, Deduct	*-135.44*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	667.75	
		For 80 Mil Material, Add	*61.49*	
		For 100 Mil Material, Add	*122.98*	
		For 125 Mil Material, Add	*188.16*	
		For 150 Mil Material, Add	*253.33*	
		For 200 Mil Material, Add	*352.50*	
		For 2 To 5 Manholes, Deduct	*-48.98*	
		For 6 To 10 Manholes, Deduct	*-81.26*	
		For >10 Manholes, Deduct	*-162.52*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	586.27	
		For 2 To 5 Manholes, Deduct	*-34.06*	
		For 6 To 10 Manholes, Deduct	*-53.46*	
		For >10 Manholes, Deduct	*-106.91*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	717.97	
		For 2 To 5 Manholes, Deduct	*-41.69*	
		For 6 To 10 Manholes, Deduct	*-65.44*	
		For >10 Manholes, Deduct	*-130.88*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	846.16	
		For 2 To 5 Manholes, Deduct	*-48.63*	
		For 6 To 10 Manholes, Deduct	*-76.11*	
		For >10 Manholes, Deduct	*-152.22*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,061.15	
		For 2 To 5 Manholes, Deduct	*-60.96*	
		For 6 To 10 Manholes, Deduct	*-95.39*	
		For >10 Manholes, Deduct	*-190.79*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,276.15	
		For 2 To 5 Manholes, Deduct	*-73.29*	
		For 6 To 10 Manholes, Deduct	*-114.68*	
		For >10 Manholes, Deduct	*-229.36*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

Note: Excludes asphalt

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	561.26	
		For Lowering Manhole Rim, Add	*95.15*	
		Note: Includes digging under manhole rim		
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	626.02	
		For Lowering Manhole Rim, Add	*101.16*	
		Note: Includes digging under manhole rim		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	685.72	
		For Lowering Manhole Rim, Add	*107.56*	
		Note: Includes digging under manhole rim		
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	752.75	
		For Lowering Manhole Rim, Add	*114.33*	
		Note: Includes digging under manhole rim		
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	809.66	
		For Lowering Manhole Rim, Add	*121.85*	
		Note: Includes digging under manhole rim		
33 01 30 86-0008		**Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser** *(33 01 30 86-0001)*		
33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	659.82	
		For Lowering Manhole Rim, Add	*100.04*	
		Note: Includes digging under manhole rim		
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	716.41	
		For Lowering Manhole Rim, Add	*106.43*	
		Note: Includes digging under manhole rim		
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	786.56	
		For Lowering Manhole Rim, Add	*113.20*	
		Note: Includes digging under manhole rim		
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	855.87	
		For Lowering Manhole Rim, Add	*120.72*	
		Note: Includes digging under manhole rim		
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	922.09	
		For Lowering Manhole Rim, Add	*128.24*	
		Note: Includes digging under manhole rim		
33 01 30 86-0014		**Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers** *(33 01 30 86-0001)*		
33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	766.77	
		For Lowering Manhole Rim, Add	*124.48*	
		Note: Includes digging under manhole rim		
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	809.35	
		For Lowering Manhole Rim, Add	*130.50*	
		Note: Includes digging under manhole rim		
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	856.49	
		For Lowering Manhole Rim, Add	*138.02*	
		Note: Includes digging under manhole rim		
33 01 30 86-0018		**>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers** *(33 01 30 86-0001)*		
33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	926.84	
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,004.96	
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,084.21	
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,150.24	
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,246.45	
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,334.51	
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,422.88	
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,513.54	
33 01 30 86-0027		**>12" Rise, Solid Manhole Risers** *(33 01 30 86)*		
33 01 30 86-0028		**Precast Concrete Manhole Riser** *(33 01 30 86-0027)*		
33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	116.84	
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	139.69	
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	195.74	
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	399.87	
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	585.61	
33 01 30 89		**By-Pass Piping and Pumping of Water and Sewer Utilities** *(33 01 30)*		
33 01 30 89-0001		**Set-Up For By-Pass Pumping Unit** *(33 01 30 89)*		
		Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1010 for pump rental, 01 22 23 00-1043 for suction hose, 01 22 23 00-1062 for discharge hose.		
33 01 30 89-0002	EA	Set-up For By-Pass Pumping Unit	2,136.62	
33 01 30 89-0003	EA	Move And Set-up At Different Access/Location For By-Pass Pumping Unit	1,068.31	
33 01 30 89-0004		**By-Pass Pumping** *(33 01 30 89)*		
		Note: Excludes pump rental. See CSI section 01 22 23 00-1010 for pump rental.		
33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit	534.15	
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit	2,670.77	
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit	11,217.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0008		Temporary Bypass And Service Lines *(33 01 30 89)* Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009		Temporary Water Service Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.		
33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.31	
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	4.19	
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.	4.86	
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	5.80	
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.	7.12	
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	366.74	
33 01 30 89-0016		Temporary Bypass Water Main Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.		
33 01 30 89-0017	LF	2" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	7.57	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.70*	
33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	12.23	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 5,000, Deduct	*-1.31*	
		For >5,000, Deduct	*-2.19*	
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	17.39	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 5,000, Deduct	*-1.53*	
		For >5,000, Deduct	*-2.55*	
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	21.94	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 5,000, Deduct	*-1.83*	
		For >5,000, Deduct	*-3.06*	
33 01 30 89-0021		Piping Protection For Temporary Water Line *(33 01 30 89-0008)*		
33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.46	
33 01 30 89-0023		Drill Meter Cover For Temporary Water Line *(33 01 30 89-0008)*		
33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	17.96	
33 01 30 89-0025		Temporary By-Pass Plug *(33 01 30 89)*		
33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	878.23	
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,375.00	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,243.38	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,755.11	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,690.69	
33 01 34		**Operation and Maintenance of Onsite Wastewater Disposal Systems** *(33 01)*		
33 01 34 13		**Septic Tank Solids Removal** *(33 01 34)*		
33 01 34 13-0001		Pump Out Septic Tanks *(33 01 34 13)*		
33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.72	
33 01 70		**Operation and Maintenance of Electrical Utilities** *(33 01)*		
33 01 70 51		**Electrical Utility Visual Inspection** *(33 01 70)*		
33 01 70 51-0001		Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*		
33 01 70 51-0002		Set-up For Video Camera *(33 01 70 51-0001)*		
33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set-up For Video Inspection, Gas Pipe Or Electrical Duct	287.32	
33 01 70 51-0004	EA	Initial Set-up And Final Equipment Removal For >12" To 48" Diameter, Video Inspection, Gas Pipe	323.24	
33 01 70 51-0005	EA	Move And Set-up For Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	71.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 51-0006	EA	Move And Set-up For >12" To 48" Diameter, Video Inspection, Gas Pipe	107.75	

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.10	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.11*	
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.70	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.17*	

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	8.26	
		For Up To >10, Add	*15.38*	
		For >10 To 25, Add	*12.19*	
		For >25 To 50, Add	*7.50*	
		For >50 To 100, Add	*3.75*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 2,000, Deduct	*-0.84*	
		For >2,000 To 5,000, Deduct	*-1.58*	
		For >5,000, Deduct	*-2.55*	
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.13	
		For Up To >10, Add	*17.69*	
		For >10 To 25, Add	*13.90*	
		For >25 To 50, Add	*8.59*	
		For >50 To 100, Add	*4.30*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.01*	
		For >2,000 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-3.04*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	12.73	
		For Up To >10, Add	*22.19*	
		For >10 To 25, Add	*17.43*	
		For >25 To 50, Add	*10.78*	
		For >50 To 100, Add	*5.39*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.27*	
		For >2,000 To 5,000, Deduct	*-2.35*	
		For >5,000, Deduct	*-3.81*	
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.04	
		For Up To >10, Add	*25.80*	
		For >10 To 25, Add	*20.21*	
		For >25 To 50, Add	*12.51*	
		For >50 To 100, Add	*6.26*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000 To 2,000, Deduct	*-1.49*	
		For >2,000 To 5,000, Deduct	*-2.76*	
		For >5,000, Deduct	*-4.47*	
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	16.91	
		For Up To >10, Add	*28.11*	
		For >10 To 25, Add	*21.91*	
		For >25 To 50, Add	*13.60*	
		For >50 To 100, Add	*6.80*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-3.05*	
		For >5,000, Deduct	*-4.95*	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	19.08	
		For Up To >10, Add	*31.32*	
		For >10 To 25, Add	*24.37*	
		For >25 To 50, Add	*15.14*	
		For >50 To 100, Add	*7.57*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000 To 2,000, Deduct	*-1.87*	
		For >2,000 To 5,000, Deduct	*-3.42*	
		For >5,000, Deduct	*-5.56*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	22.57	
		For Up To >10, Add	*35.16*	
		For >10 To 25, Add	*27.13*	
		For >25 To 50, Add	*16.93*	
		For >50 To 100, Add	*8.46*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.17*	
		For >2,000 To 5,000, Deduct	*-3.95*	
		For >5,000, Deduct	*-6.42*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining		26.06	
		For Up To >10, Add		*39.03*	
		For >10 To 25, Add		*29.92*	
		For >25 To 50, Add		*18.73*	
		For >50 To 100, Add		*9.37*	
		For >500 To 1,000, Deduct		*-1.56*	
		For >1,000 To 2,000, Deduct		*-2.47*	
		For >2,000 To 5,000, Deduct		*-4.48*	
		For >5,000, Deduct		*-7.29*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		10.26	
		For Up To >10, Add		*17.08*	
		For >10 To 25, Add		*13.32*	
		For >25 To 50, Add		*8.27*	
		For >50 To 100, Add		*4.13*	
		For >500 To 1,000, Deduct		*-0.63*	
		For >1,000 To 2,000, Deduct		*-1.01*	
		For >2,000 To 5,000, Deduct		*-1.85*	
		For >5,000, Deduct		*-3.01*	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		13.37	
		For Up To >10, Add		*21.44*	
		For >10 To 25, Add		*16.62*	
		For >25 To 50, Add		*10.34*	
		For >50 To 100, Add		*5.17*	
		For >500 To 1,000, Deduct		*-0.82*	
		For >1,000 To 2,000, Deduct		*-1.30*	
		For >2,000 To 5,000, Deduct		*-2.37*	
		For >5,000, Deduct		*-3.85*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		16.48	
		For Up To >10, Add		*25.82*	
		For >10 To 25, Add		*19.94*	
		For >25 To 50, Add		*12.44*	
		For >50 To 100, Add		*6.22*	
		For >500 To 1,000, Deduct		*-1.00*	
		For >1,000 To 2,000, Deduct		*-1.59*	
		For >2,000 To 5,000, Deduct		*-2.89*	
		For >5,000, Deduct		*-4.70*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		19.29	
		For Up To >10, Add		*29.30*	
		For >10 To 25, Add		*22.51*	
		For >25 To 50, Add		*14.08*	
		For >50 To 100, Add		*7.04*	
		For >500 To 1,000, Deduct		*-1.16*	
		For >1,000 To 2,000, Deduct		*-1.84*	
		For >2,000 To 5,000, Deduct		*-3.34*	
		For >5,000, Deduct		*-5.43*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		21.99	
		For Up To >10, Add		*32.42*	
		For >10 To 25, Add		*24.78*	
		For >25 To 50, Add		*15.54*	
		For >50 To 100, Add		*7.77*	
		For >500 To 1,000, Deduct		*-1.31*	
		For >1,000 To 2,000, Deduct		*-2.08*	
		For >2,000 To 5,000, Deduct		*-3.75*	
		For >5,000, Deduct		*-6.11*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		24.81	
		For Up To >10, Add		*35.93*	
		For >10 To 25, Add		*27.38*	
		For >25 To 50, Add		*17.20*	
		For >50 To 100, Add		*8.60*	
		For >500 To 1,000, Deduct		*-1.48*	
		For >1,000 To 2,000, Deduct		*-2.33*	
		For >2,000 To 5,000, Deduct		*-4.20*	
		For >5,000, Deduct		*-6.84*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		30.33	
		For Up To >10, Add		*42.57*	
		For >10 To 25, Add		*32.24*	
		For >25 To 50, Add		*20.31*	
		For >50 To 100, Add		*10.16*	
		For >500 To 1,000, Deduct		*-1.79*	
		For >1,000 To 2,000, Deduct		*-2.82*	
		For >2,000 To 5,000, Deduct		*-5.06*	
		For >5,000, Deduct		*-8.26*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining		35.42	
		For Up To >10, Add		*47.91*	
		For >10 To 25, Add		*36.04*	
		For >25 To 50, Add		*22.79*	
		For >50 To 100, Add		*11.39*	
		For >500 To 1,000, Deduct		*-2.07*	
		For >1,000 To 2,000, Deduct		*-3.26*	
		For >2,000 To 5,000, Deduct		*-5.82*	
		For >5,000, Deduct		*-9.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 Common Work Results for Utilities *(33)*

33 05 05 Buried Piping Installation *(33 05)*

33 05 05 43 Mandrel Testing *(33 05 05)*

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe *(33 05 05 43)*

33 05 05 43-0002	EA	Initial Set-up And Final Equipment Removal For Deflection Testing (Mandrel)	733.49
33 05 05 43-0003	EA	Move And Set-up At Different Access/Location For Deflection Testing (Mandrel)	366.74
33 05 05 43-0004	LF	Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.13
		For >100 To 200, Deduct	*-0.06*
		For >200 To 400, Deduct	*-0.11*
		For >400, Deduct	*-0.18*
33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.67
		For >100 To 200, Deduct	*-0.08*
		For >200 To 400, Deduct	*-0.15*
		For >400, Deduct	*-0.23*
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	1.99
		For >100 To 200, Deduct	*-0.09*
		For >200 To 400, Deduct	*-0.17*
		For >400, Deduct	*-0.27*
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.34
		For >100 To 200, Deduct	*-0.11*
		For >200 To 400, Deduct	*-0.20*
		For >400, Deduct	*-0.31*
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel)	2.61
		For >100 To 200, Deduct	*-0.11*
		For >200 To 400, Deduct	*-0.21*
		For >400, Deduct	*-0.34*
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.74
		For >100 To 200, Deduct	*-0.12*
		For >200 To 400, Deduct	*-0.23*
		For >400, Deduct	*-0.37*
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.91
		For >100 To 200, Deduct	*-0.14*
		For >200 To 400, Deduct	*-0.26*
		For >400, Deduct	*-0.40*
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	3.22
		For >100 To 200, Deduct	*-0.16*
		For >200 To 400, Deduct	*-0.30*
		For >400, Deduct	*-0.47*
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.83
		For >100 To 200, Deduct	*-0.21*
		For >200 To 400, Deduct	*-0.39*
		For >400, Deduct	*-0.61*
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	5.15
		For >100 To 200, Deduct	*-0.31*
		For >200 To 400, Deduct	*-0.57*
		For >400, Deduct	*-0.90*
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	6.59
		For >100 To 200, Deduct	*-0.41*
		For >200 To 400, Deduct	*-0.77*
		For >400, Deduct	*-1.21*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	27.66
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	33.38
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	45.78
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	59.13
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	106.37
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	155.18
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	186.47
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	222.76
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	385.45
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	477.76
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	589.29
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	673.27
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	858.56
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	925.11
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	1,006.11
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,054.79
33 05 07 13-0018	EA	Minimum Set-up Charge For 8" To 20" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,504.08
33 05 07 13-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,956.61

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0020		EA	Minimum Set-up Charge For >36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,790.77	

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022		LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.77	
			For Horizontal Boring Through Rock, Add	*10.34*	
33 05 07 13-0023		LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	22.16	
			For Horizontal Boring Through Rock, Add	*15.51*	
33 05 07 13-0024		LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	30.77	
			For Horizontal Boring Through Rock, Add	*21.54*	
33 05 07 13-0025		LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	38.16	
			For Horizontal Boring Through Rock, Add	*26.71*	
33 05 07 13-0026		LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	45.55	
			For Horizontal Boring Through Rock, Add	*31.89*	
33 05 07 13-0027		LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	52.93	
			For Horizontal Boring Through Rock, Add	*37.05*	
33 05 07 13-0028		LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	61.55	
			For Horizontal Boring Through Rock, Add	*43.09*	
33 05 07 13-0029		LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	75.09	
			For Horizontal Boring Through Rock, Add	*52.56*	
33 05 07 13-0030		LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	81.34	
			For Horizontal Boring Through Rock, Add	*56.94*	
33 05 07 13-0031		LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	87.60	
			For Horizontal Boring Through Rock, Add	*61.32*	
33 05 07 13-0032		LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	181.46	
			For Horizontal Boring Through Rock, Add	*127.02*	
33 05 07 13-0033		LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	282.25	
			For Horizontal Boring Through Rock, Add	*197.58*	
33 05 07 13-0034		LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	430.26	
			For Horizontal Boring Through Rock, Add	*301.18*	
33 05 07 13-0035		LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	688.42	
			For Horizontal Boring Through Rock, Add	*481.89*	
33 05 07 13-0036		EA	Minimum Set-up Charge For Up To 6" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,708.30	
33 05 07 13-0037		EA	Minimum Set-up Charge For >6" To 18" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,504.08	
33 05 07 13-0038		EA	Minimum Set-up Charge For >18" To 36" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,956.61	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002		LF	Up To 2" Diameter Horizontal Jacking	71.74	
			For Horizontal Jacking Through Rock, Add	*32.94*	
33 05 07 23-0003		LF	3" Diameter Horizontal Jacking	85.97	
			For Horizontal Jacking Through Rock, Add	*39.76*	
33 05 07 23-0004		LF	4" Diameter Horizontal Jacking	116.04	
			For Horizontal Jacking Through Rock, Add	*54.53*	
33 05 07 23-0005		LF	6" Diameter Horizontal Jacking	149.99	
			For Horizontal Jacking Through Rock, Add	*70.44*	
33 05 07 23-0006		LF	8" Diameter Horizontal Jacking	203.00	
			For Horizontal Jacking Through Rock, Add	*96.56*	
33 05 07 23-0007		LF	10" Diameter Horizontal Jacking	297.72	
			For Horizontal Jacking Through Rock, Add	*140.88*	
33 05 07 23-0008		LF	12" Diameter Horizontal Jacking	358.50	
			For Horizontal Jacking Through Rock, Add	*169.29*	
33 05 07 23-0009		LF	16" Diameter Horizontal Jacking	428.01	
			For Horizontal Jacking Through Rock, Add	*202.24*	
33 05 07 23-0010		LF	20" Diameter Horizontal Jacking	660.81	
			For Horizontal Jacking Through Rock, Add	*351.06*	
33 05 07 23-0011		LF	24" Diameter Horizontal Jacking	1,123.72	
			For Horizontal Jacking Through Rock, Add	*393.99*	
33 05 07 23-0012		LF	30" Diameter Horizontal Jacking	1,300.75	
			For Horizontal Jacking Through Rock, Add	*486.50*	
33 05 07 23-0013		LF	36" Diameter Horizontal Jacking	1,467.73	
			For Horizontal Jacking Through Rock, Add	*556.27*	
33 05 07 23-0014		LF	42" Diameter Horizontal Jacking	1,576.07	
			For Horizontal Jacking Through Rock, Add	*600.70*	
33 05 07 23-0015		LF	48" Diameter Horizontal Jacking	1,709.86	
			For Horizontal Jacking Through Rock, Add	*647.24*	
33 05 07 23-0016		LF	54" Diameter Horizontal Jacking	1,824.97	
			For Horizontal Jacking Through Rock, Add	*704.40*	
33 05 07 23-0017		EA	Minimum Set-up Charge For Up To 6" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,708.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0018	EA	Minimum Set-up Charge For >6" To 20" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,504.08	
33 05 07 23-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,956.61	
33 05 07 23-0020	EA	Minimum Set-up Charge For >36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,790.77	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.55	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	23.86	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	25.82	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	27.81	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	35.36	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	40.08	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	44.80	

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*
Note: Includes detectable tracer wire.

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.02	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.61	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.16	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.66	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.20	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.75	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.34	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.30	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.52	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.73	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	17.85	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.27	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0568 for mechanical restraints, 33 14 13 13-0603 for flanged restraints, 33 14 13 13-1188 for slip-on restraints, 33 14 13 13-1204 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*

See CSI section 33 42 11 00-0353 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*

See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*

See CSI section 33 42 11 00-0697 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*

See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*

See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*

See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*

See CSI section 33 42 11 00-0227 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*

See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 42 11 00-0249 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*

Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.86	
		For Up To 250, Add	*0.13*	
		For >250 To 500, Add	*0.08*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.32	
		For Up To 250, Add	*0.15*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.69	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.16	
		For Up To 250, Add	*0.21*	
		For >250 To 500, Add	*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	6.98	
		For Up To 250, Add	*0.44*	
		For >250 To 500, Add	*0.29*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.86	
		For Up To 250, Add	*0.67*	
		For >250 To 500, Add	*0.45*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.95	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.09*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.48	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.82	
		For Up To 250, Add	*0.20*	
		For >250 To 500, Add	*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.50	
		For Up To 250, Add	*0.26*	
		For >250 To 500, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.73	
		For Up To 250, Add	*0.55*	
		For >250 To 500, Add	*0.37*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	9.80	
		For Up To 250, Add	*0.81*	
		For >250 To 500, Add	*0.54*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-1391 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,767.32	313.39
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,407.75	450.15
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,241.90	683.76
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	343.01	79.77
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	369.92	79.77
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	593.88	79.77
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	473.61	79.77
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	678.45	79.77

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,730.13	358.97
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,640.90	490.03
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,780.54	740.75
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	508.08	94.02
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	555.45	94.02
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	949.62	94.02
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	737.95	94.02
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,098.50	94.02

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	5,208.09	398.86
		For Bitumastic Coating, Add	*105.68*	
		For Epoxy Coating, Add	*252.67*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,932.18	547.01
		For Bitumastic Coating, Add	*158.51*	
		For Epoxy Coating, Add	*379.00*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,909.95	820.52
		For Bitumastic Coating, Add	*211.35*	
		For Epoxy Coating, Add	*505.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	920.83	102.57
		For Bitumastic Coating, Add	*26.42*	
		For Epoxy Coating, Add	*63.17*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	7,014.76	444.44
		For Bitumastic Coating, Add	*120.98*	
		For Epoxy Coating, Add	*295.81*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	9,128.21	603.99
		For Bitumastic Coating, Add	*181.48*	
		For Epoxy Coating, Add	*443.71*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	11,525.67	911.68
		For Bitumastic Coating, Add	*241.97*	
		For Epoxy Coating, Add	*591.61*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,121.57	113.97
		For Bitumastic Coating, Add	*30.25*	
		For Epoxy Coating, Add	*73.95*	

33 05 61 00-0031 7' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	11,119.81	490.03
		For Bitumastic Coating, Add	*257.28*	
		For Epoxy Coating, Add	*516.90*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	14,369.51	668.38
		For Bitumastic Coating, Add	*385.91*	
		For Epoxy Coating, Add	*775.35*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	17,931.45	1,002.85
		For Bitumastic Coating, Add	*514.55*	
		For Epoxy Coating, Add	*1,033.80*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,697.21	125.36
		For Bitumastic Coating, Add	*64.32*	
		For Epoxy Coating, Add	*129.22*	

33 05 61 00-0036 8' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	16,134.66	564.10
		For Bitumastic Coating, Add	*304.16*	
		For Epoxy Coating, Add	*630.05*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	20,909.93	769.23
		For Bitumastic Coating, Add	*456.23*	
		For Epoxy Coating, Add	*945.08*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	26,044.19	1,153.85
		For Bitumastic Coating, Add	*608.31*	
		For Epoxy Coating, Add	*1,260.11*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,467.41	142.45
		For Bitumastic Coating, Add	*76.04*	
		For Epoxy Coating, Add	*157.51*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*

Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,724.38	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,854.75	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,009.17	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,247.93	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,204.12	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,552.32	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,901.71	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,861.24	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,861.24	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,194.34	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,120.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,687.98	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,277.55	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,194.78	
33 05 63 00-0018		**7' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,134.36	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,368.33	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,547.59	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,712.31	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,045.55	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,823.11	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,209.37	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,732.70	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,986.21	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,569.44	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,871.08	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,531.71	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,528.24	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,568.74	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,777.51	
33 05 63 00-0034		**8' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,474.75	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,792.99	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,415.42	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,842.03	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,329.10	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,865.22	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,401.36	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,111.16	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,944.60	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,620.32	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,375.43	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,777.70	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,943.89	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,027.83	
33 05 63 00-0049		**10' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,891.62	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,521.07	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,277.23	
33 05 63 00-0053		**12' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,454.11	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,178.10	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,789.29	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	5,153.49	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	6,492.50	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	8,056.92	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	11,179.69	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	5,760.37	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	8,056.92	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	10,402.11	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	12,976.14	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	18,547.21	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	351.96	25.18
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	302.19	55.91
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	461.45	83.87
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	537.06	83.87
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	512.07	83.87
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	621.12	83.87
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	604.66	83.87
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	825.47	83.87
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,172.82	111.83
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,648.02	111.83
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,062.16	153.76
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,210.97	153.76
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,985.12	153.76
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,134.08	167.74
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,621.54	167.74
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,020.16	167.74
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,962.98	167.74
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,638.14	258.38
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,371.79	258.38
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	450.74	25.18
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	579.09	83.87
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	700.79	83.87
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	646.32	83.87
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	739.52	83.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	763.96	83.87
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	986.14	83.87
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,312.32	153.76
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,461.14	153.76
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,235.31	153.76
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,930.48	258.38
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,669.70	258.38
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	577.85	25.18
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.45	25.18
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	395.47	83.87
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	448.22	83.87
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	135.30	25.18
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	210.07	25.18
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	339.82	25.18
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	355.53	25.18
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	296.72	55.91
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	320.80	55.91
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	206.85	25.18
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.28	25.18
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	318.30	55.91
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.80	55.91
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	332.59	55.91
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	397.92	83.87
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	437.64	83.87
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.18	83.87
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	511.67	83.87
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	600.39	83.87
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	654.20	83.87
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	713.10	83.87
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	750.12	83.87
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	893.68	111.83
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	900.95	153.76
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,158.86	153.76
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,397.00	153.76
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,547.40	153.76
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,696.99	153.76
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,924.36	258.38
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,397.14	258.38
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,588.15	258.38
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,953.41	258.38
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,949.65	258.38
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,086.00	258.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,348.20	258.38
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,157.70	276.84
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,342.84	276.84
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,579.18	276.84
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,673.76	276.84
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,706.63	276.84
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,066.76	276.84
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,367.37	276.84
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,126.20	276.84
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,519.69	295.29
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,345.32	295.29
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,575.75	295.29
33 05 63 00-0154		**Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	532.43	83.87
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	610.68	83.87
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	229.10	25.18
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	331.28	25.18
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	444.22	25.18
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	459.95	25.18
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	399.55	55.91
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	416.32	55.91
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	438.73	55.91
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.13	25.18
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	365.37	25.18
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	438.19	55.91
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	478.68	55.91
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	453.75	55.91
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	531.67	83.87
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	571.89	83.87
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	626.79	83.87
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	670.99	83.87
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	759.45	83.87
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	813.50	83.87
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	872.14	83.87
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	909.42	83.87
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,113.74	111.83
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,151.13	153.76
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,408.74	153.76
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,646.62	153.76
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,796.78	153.76
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,946.87	153.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,686.71	258.38
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,878.01	258.38
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,242.98	258.38
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.70	83.87
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	569.12	83.87
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	169.31	25.18
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	278.78	25.18
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	400.53	25.18
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	416.54	25.18
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	370.79	55.91
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	417.41	55.91
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	243.93	25.18
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	393.70	55.91
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	451.76	55.91
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	408.79	55.91
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	525.51	83.87
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	604.90	83.87
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	631.30	83.87
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	694.16	83.87
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	751.99	83.87
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	806.58	83.87
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	904.34	83.87
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	917.97	83.87
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,130.79	111.83
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,173.24	153.76
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,457.74	153.76
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,739.09	153.76
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,925.97	153.76
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,112.85	153.76
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,272.55	258.38
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,745.35	258.38
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,951.26	258.38
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,316.25	258.38
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,477.25	258.38
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,527.67	258.38
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,016.76	258.38
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,797.73	276.84
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,893.39	276.84
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,164.73	276.84
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,370.10	276.84
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,095.59	276.84
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,830.07	276.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,324.27	276.84
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,653.82	276.84
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,426.17	295.29
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,252.13	295.29
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	7,085.07	295.29

33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	625.63	83.87
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	731.89	83.87
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	262.35	25.18
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	399.75	25.18
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	504.72	25.18
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	520.94	25.18
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	490.68	55.91
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	537.01	55.91
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.87	25.18
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.04	55.91
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	571.11	55.91
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	495.73	55.91
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	659.80	83.87
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	739.19	83.87
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	790.60	83.87
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	853.48	83.87
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.29	83.87
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	965.91	83.87
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,063.69	83.87
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,077.27	83.87
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,350.56	111.83
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,423.40	153.76
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,707.64	153.76
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,988.69	153.76
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,175.71	153.76
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,362.73	153.76
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,035.18	258.38
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,241.38	258.38
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,606.11	258.38

33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	522.09	83.87
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	352.66	55.91
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	397.43	55.91
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	463.97	83.87
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	367.32	55.91
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	410.20	55.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
		Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	380.62	83.87
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	427.28	83.87
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	489.84	111.83
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	535.65	111.83
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	633.81	153.76
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,125.39	258.38
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,075.31	258.38
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,086.24	258.38
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,465.73	276.84
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,327.36	295.29
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,054.90	295.29
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	625.44	83.87
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	653.94	83.87
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	698.68	111.83
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	744.99	111.83
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	862.86	153.76
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,399.00	258.38
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	486.10	83.87
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	542.32	83.87
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	714.47	153.76
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,412.10	276.84
33 05 63 00-0290		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)*		
33 05 63 00-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	136.34	11.19
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	138.14	11.19
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	127.86	11.19
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	138.49	11.19
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	139.85	11.18
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	160.77	11.18
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	186.65	11.18
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,233.25	33.22
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,078.93	33.22
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,616.42	33.22
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,634.75	33.22
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,852.23	33.22
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,018.35	33.22
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,244.85	33.22
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	116.45	11.18
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	167.81	11.18
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	170.19	11.18
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	214.70	11.18
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	161.43	11.18
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	254.40	11.18
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	199.26	11.18
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	411.26	11.18
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	358.98	16.77
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	450.74	16.77
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	581.36	19.57
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	817.50	25.84
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	849.23	49.22
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	217.37	11.18
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	310.88	11.18
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	354.05	11.18
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	590.19	11.18
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	485.12	16.77
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	821.62	19.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,077.78	25.84
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,454.48	33.22
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,292.80	33.22
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,806.94	33.22
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,353.74	33.22
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,253.99	33.22
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,422.92	33.22
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,288.64	33.22
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	286.66	11.18
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	313.67	11.18
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	413.72	11.18
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	471.79	11.18
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	817.09	11.18
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	592.04	16.77
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	810.66	16.77
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,258.17	19.57
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,440.08	25.84
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,497.92	49.22
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,732.84	33.22
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,420.26	33.22
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,387.15	33.22
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,022.24	33.22
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,010.30	33.22
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	7,734.97	33.22

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	156.91	11.19
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	165.95	11.19
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	168.89	11.18
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	170.00	11.18
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	196.52	11.18
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	124.78	11.18
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	176.36	11.18
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	178.01	11.18
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	223.51	11.18
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	171.02	11.18
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	209.39	11.18
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	263.73	11.18
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	365.23	16.77
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	460.35	16.77
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	859.10	49.22
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	103.59	11.19
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	163.12	11.19
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	181.68	11.19
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	173.44	11.19
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	142.52	11.18
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	225.90	11.18
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	245.17	11.18
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	319.95	11.18
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	363.90	11.18
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	493.93	16.77
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	617.50	16.77
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,132.14	49.22

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	83.12	11.19
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	99.13	11.19
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	120.68	11.19
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	130.27	11.19
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	130.00	11.18
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	154.56	11.18
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	178.69	11.18
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	435.01	16.77
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	813.29	49.22
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,219.76	33.22
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,063.70	33.22
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,591.37	33.22
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,535.57	33.22
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,837.68	33.22
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,964.61	33.22
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,141.56	33.22
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	111.89	11.18
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	109.22	11.18
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	162.05	11.18
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	178.22	11.18
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.93	11.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	153.17	11.18
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	171.02	11.18
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	243.21	11.18
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	351.73	16.77
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	440.00	16.77
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	434.75	16.77
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	784.73	25.84
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	813.29	29.53
33 05 63 00-0407		**Overlapping, Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,270.04	33.22
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,839.55	33.22
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,065.53	49.22
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,413.19	49.22
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,509.17	33.22
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,057.29	33.22
33 05 63 00-0414		**Split, Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	494.09	16.77
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	920.08	25.84
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	961.94	49.22
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	78.65	11.19
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	131.12	11.19
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	144.39	11.19
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	153.18	11.19
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	134.25	11.18
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	237.35	11.18
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	662.65	16.77
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,224.06	25.84
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,282.68	49.22
33 05 63 00-0427		**Precast Concrete Handholes With Steel Cover** *(33 05 63 00-0068)*		
		Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	1,096.73	268.57
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,872.92	402.87
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*114.91*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	2,241.08	537.15
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*203.17*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,340.64	537.15
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*257.76*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,727.80	671.44
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*311.26*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,892.86	671.44
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*339.74*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	3,323.78	805.73
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*397.72*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	3,807.60	940.02
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*549.04*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	3,814.73	805.73
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*587.04*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	3,856.96	805.73
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*416.84*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	826.34	268.57
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	982.41	302.15
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	1,227.39	335.72
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 81 00-0002		**Steps For Cast-In-Place Manholes** *(33 05 81 00-0001)*		
		See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	87.31	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	72.02	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	101.10	
33 05 81 00-0006		**Manhole Covers And Frames** *(33 05 81)*		
		Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 81 00-0007		**Regular Manhole Covers And Frames** *(33 05 81 00-0006)*		
33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,500.91	98.01
		For Ductile Iron Castings, Add	*2,243.23*	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,851.81	98.01
		For Ductile Iron Castings, Add	*1,088.86*	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,140.39	113.97
		For Ductile Iron Castings, Add	*1,258.95*	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,504.78	126.50
		For Ductile Iron Castings, Add	*2,187.44*	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	2,890.93	136.76
		For Ductile Iron Castings, Add	*1,735.33*	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,018.13	142.45
		For Ductile Iron Castings, Add	*1,813.56*	
33 05 81 00-0014		**Watertight Type Manhole Covers And Frames** *(33 05 81 00-0006)*		
33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,860.78	80.91
		For Ductile Iron Castings, Add	*2,477.10*	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,898.90	80.91
		For Ductile Iron Castings, Add	*2,485.22*	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,953.59	94.59
		For Ductile Iron Castings, Add	*2,501.60*	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,745.60	105.98
		For Ductile Iron Castings, Add	*3,033.60*	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,543.35	108.26
		For Ductile Iron Castings, Add	*3,581.21*	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,850.06	110.54
		For Ductile Iron Castings, Add	*3,791.99*	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,124.16	113.97
		For Ductile Iron Castings, Add	*3,979.79*	
33 05 81 00-0022		**Aluminum Manhole Covers And Frames** *(33 05 81 00-0006)*		
33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame	1,232.21	32.08
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame	2,265.82	35.51
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame	3,255.52	41.23
33 05 81 00-0026		**Removal And Reinstallation Of Manhole Cover And Frame** *(33 05 81 00-0006)*		
		Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame	456.91	
33 05 81 00-0028		**Composite Manhole Covers And Frames** *(33 05 81 00-0006)*		
33 05 81 00-0029	EA	Custom Design "County of Santa Cruz" One Time Fee (per size)	4,486.86	105.98
33 05 81 00-0030	EA	26" Diameter Composite Manhole Cover With Frame	1,449.35	105.98
		For >4 To 19, Deduct	*-103.02*	
		For >19 To 49, Deduct	*-158.94*	
		For >49 To 99, Deduct	*-200.23*	
		For >99, Deduct	*-219.94*	
33 05 81 00-0031	EA	32" Diameter Composite Manhole Cover With Frame	1,809.50	110.54
		For >4 To 19, Deduct	*-136.69*	
		For >19 To 49, Deduct	*-210.89*	
		For >49 To 99, Deduct	*-265.68*	
		For >99, Deduct	*-291.83*	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001		**Manhole Accessories** *(33 05 83)*		
33 05 83 00-0002		**Steps For Cast-In-Place Manholes** *(33 05 83 00-0001)*		
		See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	55.39	
33 05 83 00-0004		**Rainguard Inflow Protectors** *(33 05 83)*		
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	144.76	23.85
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	168.97	23.85
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	202.00	28.61
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	217.30	28.61
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	270.47	33.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	289.25	33.38

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	638.58	85.47
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	897.59	92.30
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,218.97	99.15
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,461.69	105.98
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,233.50	113.97
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	2,986.85	122.50
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,101.58	131.05
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,247.29	141.03

33 05 84 00-0012 Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*

33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,020.73	106.83
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,136.70	111.11
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,252.71	115.38
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,478.97	122.50
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,710.96	131.05
33 05 84 00-0018	EA	7' Diameter x 8" Thick Precast Manhole Top Cone	2,722.73	139.60
33 05 84 00-0019	EA	8' Diameter x 10" Thick Precast Manhole Top Cone	3,423.14	153.84

33 05 84 00-0020 Precast Concrete Manhole Reducer Slabs *(33 05 84 00-0002)*

33 05 84 00-0021	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,341.27	99.15
33 05 84 00-0022	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,730.35	105.98
33 05 84 00-0023	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,289.45	105.98
33 05 84 00-0024	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,632.79	105.98
33 05 84 00-0025	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,677.88	105.98
33 05 84 00-0026	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,782.39	105.98

33 05 84 00-0027 Pipe To Manhole Connector *(33 05 84 00-0001)*

33 05 84 00-0028 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0027)*

33 05 84 00-0029	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	96.01	
33 05 84 00-0030	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	140.51	
33 05 84 00-0031	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	158.45	
33 05 84 00-0032	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	238.33	
33 05 84 00-0033	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	332.50	
33 05 84 00-0034	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	440.61	
33 05 84 00-0035	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	790.39	
33 05 84 00-0036	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,096.88	
33 05 84 00-0037	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,726.30	
33 05 84 00-0038	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	2,033.86	

33 05 84 00-0039 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout

(33 05 84 00-0027)

Note: Fernco CMA.

33 05 84 00-0040	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	117.77	
33 05 84 00-0041	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	163.74	
33 05 84 00-0042	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	206.96	
33 05 84 00-0043	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	249.96	
33 05 84 00-0044	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	289.94	

33 05 84 00-0045 Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0027)*

33 05 84 00-0046	EA	Seal Gap Between Pipe And Structure With Brick And Grout	300.62	

33 05 84 00-0047 Inverts For Manholes *(33 05 84 00-0001)*

33 05 84 00-0048	EA	Single Channel Concrete Invert For Manholes	470.68	
33 05 84 00-0049	EA	Double Channel Concrete Invert For Manholes	680.78	
33 05 84 00-0050	EA	Triple Channel Concrete Invert For Manholes	916.19	
33 05 84 00-0051	EA	Quad Channel Concrete Invert For Manholes	1,151.57	
33 05 84 00-0052	EA	Single Channel Brick Invert For Manholes	704.93	
33 05 84 00-0053	EA	Double Channel Brick Invert For Manholes	1,055.30	
33 05 84 00-0054	EA	Triple Channel Brick Invert For Manholes	1,411.68	
33 05 84 00-0055	EA	Quad Channel Brick Invert For Manholes	1,764.06	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0056		Protective Coating For New Manholes *(33 05 84 00-0001)*		
33 05 84 00-0057		Polyurethane Protective Coating For New Manholes *(33 05 84 00-0056)*		
33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	219.16	
		For 80 Mil Material, Add	*32.78*	
		For 100 Mil Material, Add	*65.56*	
		For 125 Mil Material, Add	*103.61*	
		For 150 Mil Material, Add	*141.66*	
		For 200 Mil Material, Add	*209.97*	
		For 2 To 5 Manholes, Deduct	*-14.86*	
		For 6 To 10 Manholes, Deduct	*-24.23*	
		For >10 Manholes, Deduct	*-48.46*	
33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	264.41	
		For 80 Mil Material, Add	*38.91*	
		For 100 Mil Material, Add	*77.83*	
		For 125 Mil Material, Add	*122.90*	
		For 150 Mil Material, Add	*167.97*	
		For 200 Mil Material, Add	*248.58*	
		For 2 To 5 Manholes, Deduct	*-17.98*	
		For 6 To 10 Manholes, Deduct	*-29.36*	
		For >10 Manholes, Deduct	*-58.72*	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	292.20	
		For 80 Mil Material, Add	*43.70*	
		For 100 Mil Material, Add	*87.41*	
		For 125 Mil Material, Add	*138.14*	
		For 150 Mil Material, Add	*188.87*	
		For 200 Mil Material, Add	*279.94*	
		For 2 To 5 Manholes, Deduct	*-19.81*	
		For 6 To 10 Manholes, Deduct	*-32.31*	
		For >10 Manholes, Deduct	*-64.62*	
33 05 84 00-0061	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	365.32	
		For 80 Mil Material, Add	*54.65*	
		For 100 Mil Material, Add	*109.31*	
		For 125 Mil Material, Add	*172.75*	
		For 150 Mil Material, Add	*236.20*	
		For 200 Mil Material, Add	*350.09*	
		For 2 To 5 Manholes, Deduct	*-24.76*	
		For 6 To 10 Manholes, Deduct	*-40.39*	
		For >10 Manholes, Deduct	*-80.78*	
33 05 84 00-0062	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	424.51	
		For 80 Mil Material, Add	*64.54*	
		For 100 Mil Material, Add	*129.08*	
		For 125 Mil Material, Add	*204.16*	
		For 150 Mil Material, Add	*279.25*	
		For 200 Mil Material, Add	*414.52*	
		For 2 To 5 Manholes, Deduct	*-28.67*	
		For 6 To 10 Manholes, Deduct	*-46.73*	
		For >10 Manholes, Deduct	*-93.47*	
33 05 84 00-0063		Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0056)*		
		Note: For new manholes and shop applied.		
33 05 84 00-0064	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43	
33 05 84 00-0065	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59	
33 05 84 00-0066	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92	
33 05 84 00-0067	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74	
33 05 84 00-0068	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56	
33 05 84 00-0069	SF	Polyvinyl Chloride (PVC) Liner At Structures	45.65	
33 05 84 00-0070		Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*		
33 05 84 00-0071		18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0072	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	96.94	
33 05 84 00-0073	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	106.06	
33 05 84 00-0074	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	115.19	
33 05 84 00-0075	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	124.32	
33 05 84 00-0076		24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0077	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	108.85	
33 05 84 00-0078	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	119.23	
33 05 84 00-0079	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	129.60	
33 05 84 00-0080	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	139.98	
33 05 84 00-0081		30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0082	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	120.52	
33 05 84 00-0083	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	132.09	
33 05 84 00-0084	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	143.65	
33 05 84 00-0085	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	155.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0086		**Expanded Polypropylene (EPP) Finish Ring** *(33 05 84 00-0001)*		
33 05 84 00-0087	EA	34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	110.47	
33 05 84 00-0088	EA	34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	112.83	
33 05 84 00-0089	EA	34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	119.75	
33 05 84 00-0090	EA	34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	126.67	
33 05 84 00-0091	EA	34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	133.59	
33 05 84 00-0092	EA	34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	140.51	
33 05 84 00-0093	EA	34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	152.90	
33 05 84 00-0094	EA	34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	123.42	
33 05 84 00-0095	EA	36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	116.43	
33 05 84 00-0096	EA	36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	118.96	
33 05 84 00-0097	EA	36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	126.36	
33 05 84 00-0098	EA	36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	133.77	
33 05 84 00-0099	EA	36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	141.17	
33 05 84 00-0100	EA	36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	148.57	
33 05 84 00-0101	EA	36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	161.82	
33 05 84 00-0102	EA	36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	130.29	
33 05 84 00-0103	EA	40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	129.82	
33 05 84 00-0104	EA	40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	132.91	
33 05 84 00-0105	EA	40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	142.15	
33 05 84 00-0106	EA	40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	151.40	
33 05 84 00-0107	EA	40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	159.46	
33 05 84 00-0108	EA	40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	167.52	
33 05 84 00-0109	EA	40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	181.13	
33 05 84 00-0110	EA	40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	146.74	
33 05 84 00-0111	EA	46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	144.55	
33 05 84 00-0112	EA	46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	148.27	
33 05 84 00-0113	EA	46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	159.58	
33 05 84 00-0114	EA	46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	170.90	
33 05 84 00-0115	EA	46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	179.70	
33 05 84 00-0116	EA	46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	188.50	
33 05 84 00-0117	EA	46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	202.55	
33 05 84 00-0118	EA	46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	164.93	
33 05 84 00-0119		**Expanded Polypropylene (EPP) Grade Ring** *(33 05 84 00-0001)*		
33 05 84 00-0120	EA	34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	140.51	
33 05 84 00-0121	EA	34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	194.75	
33 05 84 00-0122	EA	34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	244.35	
33 05 84 00-0123	EA	36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	148.57	
33 05 84 00-0124	EA	36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	206.57	
33 05 84 00-0125	EA	36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	259.62	
33 05 84 00-0126	EA	40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	167.52	
33 05 84 00-0127	EA	40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	231.34	
33 05 84 00-0128	EA	40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	290.19	
33 05 84 00-0129	EA	46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	188.50	
33 05 84 00-0130	EA	46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	258.92	
33 05 84 00-0131	EA	46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	324.30	
33 05 84 00-0132		**Bentonite Collar** *(33 05 84 00-0001)*		
33 05 84 00-0133		**Bentonite Collar At Manhole Connections** *(33 05 84 00-0132)*		
33 05 84 00-0134	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	164.81	
33 05 84 00-0135	EA	>12" To 21", Bentonite Collar At Manhole Connection	261.10	
33 05 84 00-0136	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	414.01	
33 05 84 00-0137	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	968.03	
33 05 84 00-0138	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,509.04	
33 05 84 00-0139	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,740.04	
33 05 84 00-0140		**Waste Water Collection System Taps** *(33 05 84)* Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0141		**Brick Manhole Taps** *(33 05 84 00-0140)*		
33 05 84 00-0142	EA	4" Tap In 6" Brick Manhole	580.58	
33 05 84 00-0143	EA	6" Tap In 6" Brick Manhole	648.51	
33 05 84 00-0144	EA	8" Tap In 6" Brick Manhole	715.23	
33 05 84 00-0145	EA	10" Tap In 6" Brick Manhole	781.81	
33 05 84 00-0146	EA	12" Tap In 6" Brick Manhole	862.80	
33 05 84 00-0147	EA	15" Tap In 6" Brick Manhole	929.25	
33 05 84 00-0148		**Precast Concrete Manhole Tap** *(33 05 84 00-0140)*		
33 05 84 00-0149	EA	4" Tap In Existing Precast Concrete Manhole	849.69	
33 05 84 00-0150	EA	6" Tap In Existing Precast Concrete Manhole	951.59	
33 05 84 00-0151	EA	8" Tap In Existing Precast Concrete Manhole	1,064.53	
33 05 84 00-0152	EA	10" Tap In Existing Precast Concrete Manhole	1,164.40	
33 05 84 00-0153	EA	12" Tap In Existing Precast Concrete Manhole	1,264.07	
33 05 84 00-0154	EA	15" Tap In Existing Precast Concrete Manhole	1,366.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0155	EA	18" Tap In Existing Precast Concrete Manhole	1,574.07	
33 05 84 00-0156	EA	24" Tap In Existing Precast Concrete Manhole	2,024.50	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	8.39	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	11.83	

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	8.52	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	11.65	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	18.69	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Drill And Test Water Well *(33 11 13)*

33 11 13 00-0002 Drill Hole *(33 11 13 00-0001)*

Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization *(33 11 13 00-0002)*

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	1,072.24	
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,316.89	
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,975.34	

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)*

Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	25.52	
		For >100 To 250, Add	*0.64*	
		For >250 To 400, Add	*1.28*	
		For >400 To 600, Add	*1.91*	
		For >600 To 750, Add	*2.55*	
		For >750, Add	*3.19*	
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	30.29	
		For >100 To 250, Add	*0.76*	
		For >250 To 400, Add	*1.51*	
		For >400 To 600, Add	*2.27*	
		For >600 To 750, Add	*3.03*	
		For >750, Add	*3.79*	
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	40.50	
		For >100 To 250, Add	*1.01*	
		For >250 To 400, Add	*2.03*	
		For >400 To 600, Add	*3.04*	
		For >600 To 750, Add	*4.05*	
		For >750, Add	*5.06*	
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	63.37	
		For >100 To 250, Add	*1.58*	
		For >250 To 400, Add	*3.17*	
		For >400 To 600, Add	*4.75*	
		For >600 To 750, Add	*6.34*	
		For >750, Add	*7.92*	
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	91.19	
		For >100 To 250, Add	*2.28*	
		For >250 To 400, Add	*4.56*	
		For >400 To 600, Add	*6.84*	
		For >600 To 750, Add	*9.12*	
		For >750, Add	*11.40*	
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	119.18	
		For >100 To 250, Add	*2.98*	
		For >250 To 400, Add	*5.96*	
		For >400 To 600, Add	*8.94*	
		For >600 To 750, Add	*11.92*	
		For >750, Add	*14.90*	
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	141.57	
		For >100 To 250, Add	*3.54*	
		For >250 To 400, Add	*7.08*	
		For >400 To 600, Add	*10.62*	
		For >600 To 750, Add	*14.16*	
		For >750, Add	*17.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	164.61	
		For >100 To 250, Add	*4.12*	
		For >250 To 400, Add	*8.23*	
		For >400 To 600, Add	*12.35*	
		For >600 To 750, Add	*16.46*	
		For >750, Add	*20.58*	
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	193.42	
		For >100 To 250, Add	*4.84*	
		For >250 To 400, Add	*9.67*	
		For >400 To 600, Add	*14.51*	
		For >600 To 750, Add	*19.34*	
		For >750, Add	*24.18*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	227.98	
		For >100 To 250, Add	*5.70*	
		For >250 To 400, Add	*11.40*	
		For >400 To 600, Add	*17.10*	
		For >600 To 750, Add	*22.80*	
		For >750, Add	*28.50*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	246.42	
		For >100 To 250, Add	*6.16*	
		For >250 To 400, Add	*12.32*	
		For >400 To 600, Add	*18.48*	
		For >600 To 750, Add	*24.64*	
		For >750, Add	*30.80*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	271.12	
		For >100 To 250, Add	*6.78*	
		For >250 To 400, Add	*13.56*	
		For >400 To 600, Add	*20.33*	
		For >600 To 750, Add	*27.11*	
		For >750, Add	*33.89*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	296.96	
		For >100 To 250, Add	*7.42*	
		For >250 To 400, Add	*14.85*	
		For >400 To 600, Add	*22.27*	
		For >600 To 750, Add	*29.70*	
		For >750, Add	*37.12*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	369.38	
		For >100 To 250, Add	*9.23*	
		For >250 To 400, Add	*18.47*	
		For >400 To 600, Add	*27.70*	
		For >600 To 750, Add	*36.94*	
		For >750, Add	*46.17*	

33 11 13 00-0022 Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*

33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	52.02	
		For >100 To 250, Add	*1.30*	
		For >250 To 400, Add	*2.60*	
		For >400 To 600, Add	*3.90*	
		For >600 To 750, Add	*5.20*	
		For >750, Add	*6.50*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	60.58	
		For >100 To 250, Add	*1.51*	
		For >250 To 400, Add	*3.03*	
		For >400 To 600, Add	*4.54*	
		For >600 To 750, Add	*6.06*	
		For >750, Add	*7.57*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	96.99	
		For >100 To 250, Add	*2.42*	
		For >250 To 400, Add	*4.85*	
		For >400 To 600, Add	*7.27*	
		For >600 To 750, Add	*9.70*	
		For >750, Add	*12.12*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	126.82	
		For >100 To 250, Add	*3.17*	
		For >250 To 400, Add	*6.34*	
		For >400 To 600, Add	*9.51*	
		For >600 To 750, Add	*12.68*	
		For >750, Add	*15.85*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	182.53	
		For >100 To 250, Add	*4.56*	
		For >250 To 400, Add	*9.13*	
		For >400 To 600, Add	*13.69*	
		For >600 To 750, Add	*18.25*	
		For >750, Add	*22.82*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	238.23	
		For >100 To 250, Add	*5.96*	
		For >250 To 400, Add	*11.91*	
		For >400 To 600, Add	*17.87*	
		For >600 To 750, Add	*23.82*	
		For >750, Add	*29.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	283.27	
		For >100 To 250, Add	*7.08*	
		For >250 To 400, Add	*14.16*	
		For >400 To 600, Add	*21.25*	
		For >600 To 750, Add	*28.33*	
		For >750, Add	*35.41*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	328.69	
		For >100 To 250, Add	*8.22*	
		For >250 To 400, Add	*16.43*	
		For >400 To 600, Add	*24.65*	
		For >600 To 750, Add	*32.87*	
		For >750, Add	*41.09*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	387.17	
		For >100 To 250, Add	*9.68*	
		For >250 To 400, Add	*19.36*	
		For >400 To 600, Add	*29.04*	
		For >600 To 750, Add	*38.72*	
		For >750, Add	*48.40*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	447.22	
		For >100 To 250, Add	*11.18*	
		For >250 To 400, Add	*22.36*	
		For >400 To 600, Add	*33.54*	
		For >600 To 750, Add	*44.72*	
		For >750, Add	*55.90*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	492.85	
		For >100 To 250, Add	*12.32*	
		For >250 To 400, Add	*24.64*	
		For >400 To 600, Add	*36.96*	
		For >600 To 750, Add	*49.29*	
		For >750, Add	*61.61*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	542.23	
		For >100 To 250, Add	*13.56*	
		For >250 To 400, Add	*27.11*	
		For >400 To 600, Add	*40.67*	
		For >600 To 750, Add	*54.22*	
		For >750, Add	*67.78*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	593.92	
		For >100 To 250, Add	*14.85*	
		For >250 To 400, Add	*29.70*	
		For >400 To 600, Add	*44.54*	
		For >600 To 750, Add	*59.39*	
		For >750, Add	*74.24*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	738.78	
		For >100 To 250, Add	*18.47*	
		For >250 To 400, Add	*36.94*	
		For >400 To 600, Add	*55.41*	
		For >600 To 750, Add	*73.88*	
		For >750, Add	*92.35*	

33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	106.99	
		For >100 To 250, Add	*2.67*	
		For >250 To 400, Add	*5.35*	
		For >400 To 600, Add	*8.02*	
		For >600 To 750, Add	*10.70*	
		For >750, Add	*13.37*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	123.46	
		For >100 To 250, Add	*3.09*	
		For >250 To 400, Add	*6.17*	
		For >400 To 600, Add	*9.26*	
		For >600 To 750, Add	*12.35*	
		For >750, Add	*15.43*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	141.57	
		For >100 To 250, Add	*3.54*	
		For >250 To 400, Add	*7.08*	
		For >400 To 600, Add	*10.62*	
		For >600 To 750, Add	*14.16*	
		For >750, Add	*17.70*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	179.42	
		For >100 To 250, Add	*4.49*	
		For >250 To 400, Add	*8.97*	
		For >400 To 600, Add	*13.46*	
		For >600 To 750, Add	*17.94*	
		For >750, Add	*22.43*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	232.10	
		For >100 To 250, Add	*5.80*	
		For >250 To 400, Add	*11.61*	
		For >400 To 600, Add	*17.41*	
		For >600 To 750, Add	*23.21*	
		For >750, Add	*29.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	337.45	
		For >100 To 250, Add	*8.44*	
		For >250 To 400, Add	*16.87*	
		For >400 To 600, Add	*25.31*	
		For >600 To 750, Add	*33.75*	
		For >750, Add	*42.18*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	401.66	
		For >100 To 250, Add	*10.04*	
		For >250 To 400, Add	*20.08*	
		For >400 To 600, Add	*30.12*	
		For >600 To 750, Add	*40.17*	
		For >750, Add	*50.21*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	465.85	
		For >100 To 250, Add	*11.65*	
		For >250 To 400, Add	*23.29*	
		For >400 To 600, Add	*34.94*	
		For >600 To 750, Add	*46.59*	
		For >750, Add	*58.23*	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	548.16	
		For >100 To 250, Add	*13.70*	
		For >250 To 400, Add	*27.41*	
		For >400 To 600, Add	*41.11*	
		For >600 To 750, Add	*54.82*	
		For >750, Add	*68.52*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	633.76	
		For >100 To 250, Add	*15.84*	
		For >250 To 400, Add	*31.69*	
		For >400 To 600, Add	*47.53*	
		For >600 To 750, Add	*63.38*	
		For >750, Add	*79.22*	

33 11 13 00-0048 Furnish And Install Casing *(33 11 13 00-0001)*

Note: Excludes drilling of hole.

33 11 13 00-0049 Steel Well Casing *(33 11 13 00-0048)*

33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	41.37	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 400, Deduct	*-2.30*	
		For >400 To 600, Deduct	*-3.45*	
		For >600 To 750, Deduct	*-4.60*	
		For >750, Deduct	*-6.06*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	51.43	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 400, Deduct	*-2.86*	
		For >400 To 600, Deduct	*-4.29*	
		For >600 To 750, Deduct	*-5.73*	
		For >750, Deduct	*-7.54*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	75.73	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 400, Deduct	*-4.14*	
		For >400 To 600, Deduct	*-6.20*	
		For >600 To 750, Deduct	*-8.27*	
		For >750, Deduct	*-10.79*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	126.19	
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 400, Deduct	*-6.73*	
		For >400 To 600, Deduct	*-10.09*	
		For >600 To 750, Deduct	*-13.46*	
		For >750, Deduct	*-17.37*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	142.11	
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 400, Deduct	*-7.69*	
		For >400 To 600, Deduct	*-11.53*	
		For >600 To 750, Deduct	*-15.38*	
		For >750, Deduct	*-19.98*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	167.05	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 400, Deduct	*-9.07*	
		For >400 To 600, Deduct	*-13.61*	
		For >600 To 750, Deduct	*-18.15*	
		For >750, Deduct	*-23.63*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	191.04	
		For >100 To 250, Deduct	*-5.68*	
		For >250 To 400, Deduct	*-10.46*	
		For >400 To 600, Deduct	*-15.69*	
		For >600 To 750, Deduct	*-20.92*	
		For >750, Deduct	*-27.33*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	218.24	
		For >100 To 250, Deduct	*-6.57*	
		For >250 To 400, Deduct	*-12.03*	
		For >400 To 600, Deduct	*-18.05*	
		For >600 To 750, Deduct	*-24.06*	
		For >750, Deduct	*-31.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	254.81	
		For >100 To 250, Deduct	*-7.63*	
		For >250 To 400, Deduct	*-14.00*	
		For >400 To 600, Deduct	*-21.00*	
		For >600 To 750, Deduct	*-28.00*	
		For >750, Deduct	*-36.63*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.40	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.13*	
		For >600 To 750, Deduct	*-0.17*	
		For >750, Deduct	*-0.24*	

33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*

33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	69.29	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 400, Deduct	*-3.70*	
		For >400 To 600, Deduct	*-5.55*	
		For >600 To 750, Deduct	*-7.40*	
		For >750, Deduct	*-9.55*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	103.47	
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 400, Deduct	*-5.46*	
		For >400 To 600, Deduct	*-8.20*	
		For >600 To 750, Deduct	*-10.93*	
		For >750, Deduct	*-14.04*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	144.22	
		For >100 To 250, Deduct	*-3.98*	
		For >250 To 400, Deduct	*-7.58*	
		For >400 To 600, Deduct	*-11.38*	
		For >600 To 750, Deduct	*-15.17*	
		For >750, Deduct	*-19.44*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	167.81	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 400, Deduct	*-8.83*	
		For >400 To 600, Deduct	*-13.25*	
		For >600 To 750, Deduct	*-17.67*	
		For >750, Deduct	*-22.66*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	155.40	
		For >100 To 250, Deduct	*-4.54*	
		For >250 To 400, Deduct	*-8.42*	
		For >400 To 600, Deduct	*-12.63*	
		For >600 To 750, Deduct	*-16.84*	
		For >750, Deduct	*-21.90*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	179.93	
		For >100 To 250, Deduct	*-5.24*	
		For >250 To 400, Deduct	*-9.74*	
		For >400 To 600, Deduct	*-14.61*	
		For >600 To 750, Deduct	*-19.48*	
		For >750, Deduct	*-25.32*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	215.67	
		For >100 To 250, Deduct	*-6.23*	
		For >250 To 400, Deduct	*-11.62*	
		For >400 To 600, Deduct	*-17.43*	
		For >600 To 750, Deduct	*-23.24*	
		For >750, Deduct	*-30.15*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	246.90	
		For >100 To 250, Deduct	*-7.13*	
		For >250 To 400, Deduct	*-13.30*	
		For >400 To 600, Deduct	*-19.95*	
		For >600 To 750, Deduct	*-26.60*	
		For >750, Deduct	*-34.49*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	273.03	
		For >100 To 250, Deduct	*-7.92*	
		For >250 To 400, Deduct	*-14.75*	
		For >400 To 600, Deduct	*-22.12*	
		For >600 To 750, Deduct	*-29.49*	
		For >750, Deduct	*-38.29*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	356.48	
		For >100 To 250, Deduct	*-10.22*	
		For >250 To 400, Deduct	*-19.13*	
		For >400 To 600, Deduct	*-28.69*	
		For >600 To 750, Deduct	*-38.26*	
		For >750, Deduct	*-49.52*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	468.79	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 400, Deduct	*-25.07*	
		For >400 To 600, Deduct	*-37.61*	
		For >600 To 750, Deduct	*-50.14*	
		For >750, Deduct	*-64.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0073		**Polyvinyl Chloride (PVC) Well Casing, Schedule 80** *(33 11 13 00-0048)*		
33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	47.48	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 400, Deduct	*-2.56*	
		For >400 To 600, Deduct	*-3.84*	
		For >600 To 750, Deduct	*-5.12*	
		For >750, Deduct	*-6.64*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	75.40	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 400, Deduct	*-4.06*	
		For >400 To 600, Deduct	*-6.09*	
		For >600 To 750, Deduct	*-8.12*	
		For >750, Deduct	*-10.53*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	113.95	
		For >100 To 250, Deduct	*-3.29*	
		For >250 To 400, Deduct	*-6.14*	
		For >400 To 600, Deduct	*-9.21*	
		For >600 To 750, Deduct	*-12.28*	
		For >750, Deduct	*-15.93*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	134.48	
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 400, Deduct	*-7.26*	
		For >400 To 600, Deduct	*-10.89*	
		For >600 To 750, Deduct	*-14.52*	
		For >750, Deduct	*-18.85*	
33 11 13 00-0078		**Furnish And Install Well Screen Assembly** *(33 11 13 00-0001)*		
33 11 13 00-0079		**Stainless Steel Well Screen** *(33 11 13 00-0078)*		
33 11 13 00-0080	LF	2" Stainless Steel Well Screen	23.13	1.87
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 400, Deduct	*-1.40*	
		For >400 To 600, Deduct	*-2.09*	
		For >600 To 750, Deduct	*-2.79*	
		For >750, Deduct	*-3.80*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	35.59	1.87
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 400, Deduct	*-2.04*	
		For >400 To 600, Deduct	*-3.06*	
		For >600 To 750, Deduct	*-4.08*	
		For >750, Deduct	*-5.43*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	44.72	2.80
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 400, Deduct	*-2.56*	
		For >400 To 600, Deduct	*-3.84*	
		For >600 To 750, Deduct	*-5.12*	
		For >750, Deduct	*-6.83*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	56.32	2.80
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 400, Deduct	*-3.20*	
		For >400 To 600, Deduct	*-4.81*	
		For >600 To 750, Deduct	*-6.41*	
		For >750, Deduct	*-8.52*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	68.02	3.72
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 400, Deduct	*-3.92*	
		For >400 To 600, Deduct	*-5.88*	
		For >600 To 750, Deduct	*-7.84*	
		For >750, Deduct	*-10.47*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	88.66	4.66
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 400, Deduct	*-5.10*	
		For >400 To 600, Deduct	*-7.64*	
		For >600 To 750, Deduct	*-10.19*	
		For >750, Deduct	*-13.60*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	113.00	7.46
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 400, Deduct	*-6.54*	
		For >400 To 600, Deduct	*-9.82*	
		For >600 To 750, Deduct	*-13.09*	
		For >750, Deduct	*-17.52*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	132.53	9.32
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 400, Deduct	*-7.67*	
		For >400 To 600, Deduct	*-11.51*	
		For >600 To 750, Deduct	*-15.34*	
		For >750, Deduct	*-20.53*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	146.00	10.25
		For >100 To 250, Deduct	*-4.85*	
		For >250 To 400, Deduct	*-8.50*	
		For >400 To 600, Deduct	*-12.75*	
		For >600 To 750, Deduct	*-17.00*	
		For >750, Deduct	*-22.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	158.50	12.11
		For >100 To 250, Deduct	*-5.31*	
		For >250 To 400, Deduct	*-9.28*	
		For >400 To 600, Deduct	*-13.91*	
		For >600 To 750, Deduct	*-18.55*	
		For >750, Deduct	*-24.94*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	190.65	13.98
		For >100 To 250, Deduct	*-6.43*	
		For >250 To 400, Deduct	*-11.20*	
		For >400 To 600, Deduct	*-16.80*	
		For >600 To 750, Deduct	*-22.39*	
		For >750, Deduct	*-30.16*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	240.38	17.70
		For >100 To 250, Deduct	*-8.10*	
		For >250 To 400, Deduct	*-14.11*	
		For >400 To 600, Deduct	*-21.16*	
		For >600 To 750, Deduct	*-28.22*	
		For >750, Deduct	*-37.99*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	312.09	23.29
		For >100 To 250, Deduct	*-10.54*	
		For >250 To 400, Deduct	*-18.35*	
		For >400 To 600, Deduct	*-27.52*	
		For >600 To 750, Deduct	*-36.69*	
		For >750, Deduct	*-49.43*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	359.37	27.03
		For >100 To 250, Deduct	*-12.09*	
		For >250 To 400, Deduct	*-21.07*	
		For >400 To 600, Deduct	*-31.61*	
		For >600 To 750, Deduct	*-42.15*	
		For >750, Deduct	*-56.73*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	14.82	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.37*	
		For >600 To 750, Deduct	*-1.83*	
		For >750, Deduct	*-2.50*	
		For Schedule 80, Add	*3.18*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	16.89	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 750, Deduct	*-2.06*	
		For >750, Deduct	*-2.81*	
		For Schedule 80, Add	*3.82*	
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.24	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 400, Deduct	*-1.54*	
		For >400 To 600, Deduct	*-2.31*	
		For >600 To 750, Deduct	*-3.08*	
		For >750, Deduct	*-4.27*	
		For Schedule 80, Add	*4.46*	
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	34.84	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 400, Deduct	*-2.10*	
		For >400 To 600, Deduct	*-3.14*	
		For >600 To 750, Deduct	*-4.19*	
		For >750, Deduct	*-5.70*	
		For Schedule 80, Add	*8.28*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	43.83	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 400, Deduct	*-2.64*	
		For >400 To 600, Deduct	*-3.96*	
		For >600 To 750, Deduct	*-5.28*	
		For >750, Deduct	*-7.18*	
		For Schedule 80, Add	*10.38*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	54.73	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 400, Deduct	*-3.27*	
		For >400 To 600, Deduct	*-4.90*	
		For >600 To 750, Deduct	*-6.54*	
		For >750, Deduct	*-8.86*	
		For Schedule 80, Add	*13.38*	
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	61.02	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 400, Deduct	*-3.76*	
		For >400 To 600, Deduct	*-5.64*	
		For >600 To 750, Deduct	*-7.52*	
		For >750, Deduct	*-10.32*	
		For Schedule 80, Add	*13.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	87.26	
		For >100 To 250, Deduct	*-3.09*	
		For >250 To 400, Deduct	*-5.27*	
		For >400 To 600, Deduct	*-7.91*	
		For >600 To 750, Deduct	*-10.54*	
		For >750, Deduct	*-14.36*	
		For Schedule 80, Add	*20.39*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	19.81	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 400, Deduct	*-1.26*	
		For >400 To 600, Deduct	*-1.89*	
		For >600 To 750, Deduct	*-2.52*	
		For >750, Deduct	*-3.49*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	29.23	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 400, Deduct	*-1.88*	
		For >400 To 600, Deduct	*-2.82*	
		For >600 To 750, Deduct	*-3.76*	
		For >750, Deduct	*-5.25*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	40.67	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 400, Deduct	*-2.66*	
		For >400 To 600, Deduct	*-3.99*	
		For >600 To 750, Deduct	*-5.32*	
		For >750, Deduct	*-7.46*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	52.16	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 400, Deduct	*-3.39*	
		For >400 To 600, Deduct	*-5.08*	
		For >600 To 750, Deduct	*-6.77*	
		For >750, Deduct	*-9.47*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	64.35	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 400, Deduct	*-4.15*	
		For >400 To 600, Deduct	*-6.22*	
		For >600 To 750, Deduct	*-8.29*	
		For >750, Deduct	*-11.57*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	83.35	
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 400, Deduct	*-5.31*	
		For >400 To 600, Deduct	*-7.97*	
		For >600 To 750, Deduct	*-10.63*	
		For >750, Deduct	*-14.77*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	95.60	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 400, Deduct	*-6.08*	
		For >400 To 600, Deduct	*-9.11*	
		For >600 To 750, Deduct	*-12.15*	
		For >750, Deduct	*-16.87*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	113.51	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 400, Deduct	*-7.26*	
		For >400 To 600, Deduct	*-10.88*	
		For >600 To 750, Deduct	*-14.51*	
		For >750, Deduct	*-20.19*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	128.40	
		For >100 To 250, Deduct	*-5.02*	
		For >250 To 400, Deduct	*-8.23*	
		For >400 To 600, Deduct	*-12.35*	
		For >600 To 750, Deduct	*-16.47*	
		For >750, Deduct	*-22.95*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	138.38	
		For >100 To 250, Deduct	*-5.36*	
		For >250 To 400, Deduct	*-8.81*	
		For >400 To 600, Deduct	*-13.22*	
		For >600 To 750, Deduct	*-17.63*	
		For >750, Deduct	*-24.50*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	164.96	
		For >100 To 250, Deduct	*-6.46*	
		For >250 To 400, Deduct	*-10.58*	
		For >400 To 600, Deduct	*-15.87*	
		For >600 To 750, Deduct	*-21.16*	
		For >750, Deduct	*-29.48*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	190.71	
		For >100 To 250, Deduct	*-7.61*	
		For >250 To 400, Deduct	*-12.38*	
		For >400 To 600, Deduct	*-18.57*	
		For >600 To 750, Deduct	*-24.76*	
		For >750, Deduct	*-34.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0117		Develop Well *(33 11 13 00-0001)*		
		Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR	Develop Well	458.84	
33 11 13 00-0119		Pump Test *(33 11 13 00-0001)*		
		Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR	Pump Test Well	405.93	
33 11 13 00-0121		Test Well *(33 11 13 00-0001)*		
33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	106.34	
33 11 13 00-0123		Surface Seal, Concrete Filled *(33 11 13)*		
33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	35.13	
33 11 13 00-0125		Other Water Well *(33 11 13)*		
33 11 13 00-0126	SF	Patch Hole In Well Casing	100.78	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.61	
33 11 13 00-0128	SF	1" Pressure Grout Well	4.24	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	5.83	
33 11 13 00-0130		Sterilization Of Well *(33 11 13)*		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,674.23	
33 11 13 00-0132		Submersible Well Pumps *(33 11 13)*		
		Note: Includes pump end, motor and control box.		
33 11 13 00-0133		4" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0134		Powder Coated Case And Cast Iron Ends *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,492.99	532.94
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,700.02	590.70
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,886.96	656.34
33 11 13 00-0138		Stainless Steel Case And Ends *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,665.87	525.07
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,897.79	590.70
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,126.15	656.34
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,427.93	721.97
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,740.36	787.60
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,358.13	918.87
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,197.33	1,050.14
33 11 13 00-0146		6" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,155.21	1,312.67
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,774.16	1,443.95
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,415.61	1,575.21
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,527.14	1,837.75

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0521 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	95.96	14.02
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*52.33*	
		For Cement Mortar Lining (CML), Add	*7.48*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*40.37*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.61*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.80*	
		For Class 52, Add	*22.59*	
		For Class 53, Add	*40.86*	
		For Class 54, Add	*58.36*	
		For Class 55, Add	*67.00*	
		For Class 56, Add	*75.49*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	104.74	14.92
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*57.49*	
		For Cement Mortar Lining (CML), Add	*8.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*44.35*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.16*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.24*	
		For Class 51, Add	*11.48*	
		For Class 52, Add	*24.80*	
		For Class 53, Add	*44.86*	
		For Class 54, Add	*64.07*	
		For Class 55, Add	*73.56*	
		For Class 56, Add	*82.88*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	112.83	15.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*62.41*	
		For Cement Mortar Lining (CML), Add	*8.92*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*48.14*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.69*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.64*	
		For Class 51, Add	*12.45*	
		For Class 52, Add	*26.90*	
		For Class 53, Add	*48.66*	
		For Class 54, Add	*69.51*	
		For Class 55, Add	*79.80*	
		For Class 56, Add	*89.90*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	138.69	16.28
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*79.82*	
		For Cement Mortar Lining (CML), Add	*11.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*61.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.55*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.93*	
		For Class 51, Add	*15.85*	
		For Class 52, Add	*34.27*	
		For Class 53, Add	*62.03*	
		For Class 54, Add	*88.63*	
		For Class 55, Add	*101.72*	
		For Class 56, Add	*114.57*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	183.51	23.20
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*89.02*	
		For Cement Mortar Lining (CML), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*74.18*	
		For Fusion Bonded Epoxy Lining (206N), Add	*26.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.13*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.18*	
		For Class 51, Add	*20.66*	
		For Class 52, Add	*44.66*	
		For Class 53, Add	*80.82*	
		For Class 54, Add	*115.46*	
		For Class 55, Add	*132.53*	
		For Class 56, Add	*149.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	228.54	25.78
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*94.74*	
		For Cement Mortar Lining (CML), Add	*18.95*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*75.79*	
		For Fusion Bonded Epoxy Lining (206N), Add	*34.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.21*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.43*	
		For Class 51, Add	*26.31*	
		For Class 52, Add	*56.89*	
		For Class 53, Add	*103.01*	
		For Class 54, Add	*147.17*	
		For Class 55, Add	*168.90*	
		For Class 56, Add	*190.23*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	278.93	28.95
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*103.39*	
		For Cement Mortar Lining (CML), Add	*23.50*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*79.89*	
		For Fusion Bonded Epoxy Lining (206N), Add	*42.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.62*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.95*	
		For Class 51, Add	*32.58*	
		For Class 52, Add	*70.44*	
		For Class 53, Add	*127.57*	
		For Class 54, Add	*182.29*	
		For Class 55, Add	*209.18*	
		For Class 56, Add	*235.57*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	313.65	33.16
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*108.01*	
		For Cement Mortar Lining (CML), Add	*26.34*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*81.66*	
		For Fusion Bonded Epoxy Lining (206N), Add	*47.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.76*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.68*	
		For Class 51, Add	*36.53*	
		For Class 52, Add	*78.99*	
		For Class 53, Add	*143.06*	
		For Class 54, Add	*204.40*	
		For Class 55, Add	*234.56*	
		For Class 56, Add	*264.17*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	396.44	38.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*138.51*	
		For Cement Mortar Lining (CML), Add	*33.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*104.73*	
		For Fusion Bonded Epoxy Lining (206N), Add	*60.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.34*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.82*	
		For Class 51, Add	*46.78*	
		For Class 52, Add	*101.16*	
		For Class 53, Add	*183.25*	
		For Class 54, Add	*261.85*	
		For Class 55, Add	*300.45*	
		For Class 56, Add	*338.35*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	442.36	46.41
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*141.38*	
		For Cement Mortar Lining (CML), Add	*37.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*104.17*	
		For Fusion Bonded Epoxy Lining (206N), Add	*66.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.90*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-22.12*	
		For Class 51, Add	*51.59*	
		For Class 52, Add	*111.55*	
		For Class 53, Add	*202.02*	
		For Class 54, Add	*288.65*	
		For Class 55, Add	*331.24*	
		For Class 56, Add	*373.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	587.21	58.00
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*154.79*	
		For Cement Mortar Lining (CML), Add	*49.93*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*104.86*	
		For Fusion Bonded Epoxy Lining (206N), Add	*89.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.45*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-29.36*	
		For Class 51, Add	*69.16*	
		For Class 52, Add	*149.55*	
		For Class 53, Add	*270.89*	
		For Class 54, Add	*387.08*	
		For Class 55, Add	*444.15*	
		For Class 56, Add	*500.18*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	797.88	62.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*218.28*	
		For Cement Mortar Lining (CML), Add	*70.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.81*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-39.89*	
		For Class 51, Add	*97.14*	
		For Class 52, Add	*210.13*	
		For Class 53, Add	*380.86*	
		For Class 54, Add	*544.33*	
		For Class 55, Add	*624.44*	
		For Class 56, Add	*703.06*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	980.08	66.33
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*272.95*	
		For Cement Mortar Lining (CML), Add	*88.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.04*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-49.00*	
		For Class 51, Add	*121.25*	
		For Class 52, Add	*262.32*	
		For Class 53, Add	*475.58*	
		For Class 54, Add	*679.77*	
		For Class 55, Add	*779.72*	
		For Class 56, Add	*877.82*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,239.69	70.19
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*351.61*	
		For Cement Mortar Lining (CML), Add	*113.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.07*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-61.98*	
		For Class 51, Add	*155.91*	
		For Class 52, Add	*337.35*	
		For Class 53, Add	*611.79*	
		For Class 54, Add	*874.55*	
		For Class 55, Add	*1,003.01*	
		For Class 56, Add	*1,129.10*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,557.02	74.18
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*448.16*	
		For Cement Mortar Lining (CML), Add	*144.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*260.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*108.43*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-77.85*	
		For Class 51, Add	*198.44*	
		For Class 52, Add	*429.41*	
		For Class 53, Add	*778.92*	
		For Class 54, Add	*1,113.54*	
		For Class 55, Add	*1,277.00*	
		For Class 56, Add	*1,437.41*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	194.53	44.27
		For Cement Mortar Lining (CML), Add	*12.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.56*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	218.85	52.90
		For Cement Mortar Lining (CML), Add	*13.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	345.17	78.18
		For Cement Mortar Lining (CML), Add	*22.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	470.44	92.73
		For Cement Mortar Lining (CML), Add	*32.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	680.67	102.88
		For Cement Mortar Lining (CML), Add	*52.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	889.42	120.70
		For Cement Mortar Lining (CML), Add	*70.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*127.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,387.75	135.35
		For Cement Mortar Lining (CML), Add	*118.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*212.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,840.65	154.68
		For Cement Mortar Lining (CML), Add	*160.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,262.37	216.55
		For Cement Mortar Lining (CML), Add	*193.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*348.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,107.27	270.70
		For Cement Mortar Lining (CML), Add	*269.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*485.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*202.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,572.27	360.46
		For Cement Mortar Lining (CML), Add	*402.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*724.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*301.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,046.70	386.71
		For Cement Mortar Lining (CML), Add	*646.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,162.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*484.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	10,708.93	401.48
		For Cement Mortar Lining (CML), Add	*1,010.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,818.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*757.55*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,023.69	464.05
		For Cement Mortar Lining (CML), Add	*1,732.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,117.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,299.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	23,843.35	493.70
		For Cement Mortar Lining (CML), Add	*2,309.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,157.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,732.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035		**Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	181.41	44.27
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	194.48	52.90
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	302.06	78.18
		For Cement Mortar Lining (CML), Add	*18.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	408.59	92.73
		For Cement Mortar Lining (CML), Add	*26.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	547.59	102.88
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	767.59	120.70
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,125.34	135.35
		For Cement Mortar Lining (CML), Add	*92.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,381.44	154.68
		For Cement Mortar Lining (CML), Add	*114.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*206.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,973.72	216.55
		For Cement Mortar Lining (CML), Add	*164.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*296.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,168.23	270.70
		For Cement Mortar Lining (CML), Add	*175.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,217.14	360.46
		For Cement Mortar Lining (CML), Add	*267.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,012.08	386.71
		For Cement Mortar Lining (CML), Add	*542.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*976.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,542.22	401.48
		For Cement Mortar Lining (CML), Add	*793.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,428.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	12,893.68	464.05
		For Cement Mortar Lining (CML), Add	*1,219.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,194.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	16,722.81	493.70
		For Cement Mortar Lining (CML), Add	*1,597.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,875.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,198.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051		**Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	157.05	44.27
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	188.86	52.90
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	287.07	78.18
		For Cement Mortar Lining (CML), Add	*16.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	402.96	92.73
		For Cement Mortar Lining (CML), Add	*26.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	545.72	102.88
		For Cement Mortar Lining (CML), Add	*38.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	694.49	120.70
		For Cement Mortar Lining (CML), Add	*51.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,136.59	135.35
		For Cement Mortar Lining (CML), Add	*93.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*167.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.87*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,334.59	154.68
		For Cement Mortar Lining (CML), Add	*110.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,679.45	216.55
		For Cement Mortar Lining (CML), Add	*135.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*243.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,246.95	270.70
		For Cement Mortar Lining (CML), Add	*183.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*330.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,010.96	360.46
		For Cement Mortar Lining (CML), Add	*246.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*443.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*184.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,133.02	386.71
		For Cement Mortar Lining (CML), Add	*454.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*818.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*341.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,273.30	401.48
		For Cement Mortar Lining (CML), Add	*666.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,199.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*499.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,766.32	464.05
		For Cement Mortar Lining (CML), Add	*1,006.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,851.35	493.70
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067		**Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	157.05	44.27
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	183.24	52.90
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	292.69	78.18
		For Cement Mortar Lining (CML), Add	*17.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	378.60	92.73
		For Cement Mortar Lining (CML), Add	*23.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.85*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	541.97	102.88
		For Cement Mortar Lining (CML), Add	*38.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	662.63	120.70
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,267.79	135.35
		For Cement Mortar Lining (CML), Add	*106.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,398.31	154.68
		For Cement Mortar Lining (CML), Add	*116.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*209.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,035.58	216.55
		For Cement Mortar Lining (CML), Add	*170.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,140.12	270.70
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,853.52	360.46
		For Cement Mortar Lining (CML), Add	*230.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*415.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*173.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,215.49	386.71
		For Cement Mortar Lining (CML), Add	*462.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*833.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*347.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,935.92	401.48
		For Cement Mortar Lining (CML), Add	*632.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,138.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*474.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,307.12	464.05
		For Cement Mortar Lining (CML), Add	*960.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,728.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*720.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,761.38	493.70
		For Cement Mortar Lining (CML), Add	*1,301.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,342.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*976.01*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	200.16	44.27
		For Cement Mortar Lining (CML), Add	*13.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	245.09	52.90
		For Cement Mortar Lining (CML), Add	*16.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	392.03	78.18
		For Cement Mortar Lining (CML), Add	*27.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	532.29	92.73
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	770.64	102.88
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	986.88	120.70
		For Cement Mortar Lining (CML), Add	*80.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,700.76	135.35
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,603.50	154.68
		For Cement Mortar Lining (CML), Add	*236.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*426.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,019.59	216.55
		For Cement Mortar Lining (CML), Add	*269.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,104.40	270.70
		For Cement Mortar Lining (CML), Add	*369.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*664.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,984.62	360.46
		For Cement Mortar Lining (CML), Add	*443.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*798.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*332.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,325.87	386.71
		For Cement Mortar Lining (CML), Add	*874.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,573.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*655.50*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	16,714.25	401.48
		For Cement Mortar Lining (CML), Add	*1,610.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,899.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,207.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	183.29	44.27
		For Cement Mortar Lining (CML), Add	*11.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	200.11	52.90
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	322.68	78.18
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	468.57	92.73
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	643.18	102.88
		For Cement Mortar Lining (CML), Add	*48.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*87.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	876.30	120.70
		For Cement Mortar Lining (CML), Add	*69.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,503.95	135.35
		For Cement Mortar Lining (CML), Add	*129.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,294.24	154.68
		For Cement Mortar Lining (CML), Add	*205.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*370.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,706.58	216.55
		For Cement Mortar Lining (CML), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*428.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,515.87	270.70
		For Cement Mortar Lining (CML), Add	*310.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*559.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,416.70	360.46
		For Cement Mortar Lining (CML), Add	*387.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,188.16	386.71
		For Cement Mortar Lining (CML), Add	*760.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,368.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*570.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	14,620.64	401.48
		For Cement Mortar Lining (CML), Add	*1,401.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,522.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,050.93*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	318.04	66.42
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	329.88	74.23
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	300.19	78.18
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	400.37	98.48
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	460.87	102.54
		For Cement Mortar Lining (CML), Add	*30.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	501.87	114.80
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	534.30	118.84
		For Cement Mortar Lining (CML), Add	*35.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	607.15	131.04
		For Cement Mortar Lining (CML), Add	*40.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	703.85	139.22
		For Cement Mortar Lining (CML), Add	*49.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*88.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.97*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	737.29	127.87
		For Cement Mortar Lining (CML), Add	*54.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	737.99	139.47
		For Cement Mortar Lining (CML), Add	*52.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	839.70	147.21
		For Cement Mortar Lining (CML), Add	*61.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	939.10	154.68
		For Cement Mortar Lining (CML), Add	*70.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	882.56	143.34
		For Cement Mortar Lining (CML), Add	*66.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	1,003.22	154.93
		For Cement Mortar Lining (CML), Add	*76.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,234.25	162.68
		For Cement Mortar Lining (CML), Add	*98.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,322.41	170.16
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,253.53	177.89
		For Cement Mortar Lining (CML), Add	*98.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,338.14	180.53
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,490.45	188.28
		For Cement Mortar Lining (CML), Add	*120.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,906.62	195.74
		For Cement Mortar Lining (CML), Add	*161.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	2,038.30	203.48
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	1,965.85	216.32
		For Cement Mortar Lining (CML), Add	*163.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*294.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*122.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,701.88	216.54
		For Cement Mortar Lining (CML), Add	*137.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*247.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,831.80	224.29
		For Cement Mortar Lining (CML), Add	*149.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*268.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*111.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,135.50	231.75
		For Cement Mortar Lining (CML), Add	*178.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*133.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,338.41	239.49
		For Cement Mortar Lining (CML), Add	*197.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,817.01	252.30
		For Cement Mortar Lining (CML), Add	*243.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*438.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,660.61	270.35
		For Cement Mortar Lining (CML), Add	*225.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*405.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*168.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,365.44	277.14
		For Cement Mortar Lining (CML), Add	*194.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*350.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,538.37	284.88
		For Cement Mortar Lining (CML), Add	*210.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*379.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,748.36	292.36
		For Cement Mortar Lining (CML), Add	*230.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	2,956.89	300.09
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	3,041.88	312.88
		For Cement Mortar Lining (CML), Add	*256.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*462.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,247.23	330.89
		For Cement Mortar Lining (CML), Add	*274.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*205.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,804.81	361.17
		For Cement Mortar Lining (CML), Add	*325.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*586.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,791.36	397.42
		For Cement Mortar Lining (CML), Add	*218.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,851.82	405.17
		For Cement Mortar Lining (CML), Add	*223.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*402.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	3,108.67	412.63
		For Cement Mortar Lining (CML), Add	*248.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*447.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,364.06	420.37
		For Cement Mortar Lining (CML), Add	*272.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*490.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*204.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,404.06	433.16
		For Cement Mortar Lining (CML), Add	*274.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,453.84	451.17
		For Cement Mortar Lining (CML), Add	*277.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*498.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*207.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,346.93	481.47
		For Cement Mortar Lining (CML), Add	*361.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	3,823.27	541.62
		For Cement Mortar Lining (CML), Add	*300.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*540.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,417.26	517.33
		For Cement Mortar Lining (CML), Add	*263.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.51*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,462.73	525.81
		For Cement Mortar Lining (CML), Add	*266.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,818.92	532.54
		For Cement Mortar Lining (CML), Add	*301.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*542.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	3,914.97	540.28
		For Cement Mortar Lining (CML), Add	*309.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,410.44	553.08
		For Cement Mortar Lining (CML), Add	*357.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*643.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,765.73	571.07
		For Cement Mortar Lining (CML), Add	*390.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*702.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*292.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,418.92	601.38
		For Cement Mortar Lining (CML), Add	*450.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*811.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	6,006.73	661.52
		For Cement Mortar Lining (CML), Add	*500.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*900.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*375.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,550.27	721.51
		For Cement Mortar Lining (CML), Add	*445.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	5,953.46	610.29
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,274.04	617.74
		For Cement Mortar Lining (CML), Add	*533.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*960.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*400.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,595.03	625.49
		For Cement Mortar Lining (CML), Add	*564.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,016.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*423.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	7,053.01	638.29
		For Cement Mortar Lining (CML), Add	*608.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,095.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*456.44*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,548.88	849.23
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	7,752.22	686.59
		For Cement Mortar Lining (CML), Add	*671.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,208.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*503.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	8,062.65	746.73
		For Cement Mortar Lining (CML), Add	*693.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,247.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*519.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,470.25	806.69
		For Cement Mortar Lining (CML), Add	*724.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,304.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*543.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	10,630.28	849.23
		For Cement Mortar Lining (CML), Add	*934.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,681.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*700.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,226.63	602.54
		For Cement Mortar Lining (CML), Add	*531.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*956.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*398.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,282.24	677.00
		For Cement Mortar Lining (CML), Add	*625.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	8,107.02	684.48
		For Cement Mortar Lining (CML), Add	*706.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,272.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*530.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,553.58	692.21
		For Cement Mortar Lining (CML), Add	*750.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,350.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*562.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	8,874.74	705.00
		For Cement Mortar Lining (CML), Add	*780.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,405.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*585.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,200.04	723.01
		For Cement Mortar Lining (CML), Add	*810.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,458.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*607.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	9,823.23	753.31
		For Cement Mortar Lining (CML), Add	*868.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,562.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*651.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,493.52	813.44
		For Cement Mortar Lining (CML), Add	*926.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	11,611.48	873.40
		For Cement Mortar Lining (CML), Add	*1,028.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,851.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*771.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	12,840.00	949.42
		For Cement Mortar Lining (CML), Add	*1,145.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,061.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*858.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	14,999.14	949.42
		For Cement Mortar Lining (CML), Add	*1,356.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,440.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,017.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	16,879.59	729.49
		For Cement Mortar Lining (CML), Add	*1,577.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,183.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	17,217.61	742.31
		For Cement Mortar Lining (CML), Add	*1,609.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,896.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,206.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	19,139.83	760.30
		For Cement Mortar Lining (CML), Add	*1,798.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,237.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,349.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	17,892.45	790.59
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	17,983.57	850.75
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	18,379.93	910.69
		For Cement Mortar Lining (CML), Add	*1,700.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,060.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,275.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	22,298.08	953.30
		For Cement Mortar Lining (CML), Add	*2,085.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,753.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,564.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	23,223.93	986.67
		For Cement Mortar Lining (CML), Add	*2,172.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,911.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,629.67*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	24,569.83	1,005.32
		For Cement Mortar Lining (CML), Add	*2,304.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,148.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,728.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	19,891.69	788.93
		For Cement Mortar Lining (CML), Add	*1,869.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,365.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,402.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	20,248.46	801.73
		For Cement Mortar Lining (CML), Add	*1,903.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,426.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,427.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	20,753.69	819.74
		For Cement Mortar Lining (CML), Add	*1,951.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,512.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,463.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	21,275.67	850.03
		For Cement Mortar Lining (CML), Add	*1,998.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,597.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,499.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	21,844.75	910.17
		For Cement Mortar Lining (CML), Add	*2,046.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,683.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,534.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	21,999.32	970.12
		For Cement Mortar Lining (CML), Add	*2,052.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,695.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,539.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	26,785.28	1,012.73
		For Cement Mortar Lining (CML), Add	*2,525.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,545.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,893.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	30,546.98	1,046.09
		For Cement Mortar Lining (CML), Add	*2,896.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,213.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,172.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	32,044.71	1,064.74
		For Cement Mortar Lining (CML), Add	*3,043.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,477.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,282.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	32,578.93	1,094.50
		For Cement Mortar Lining (CML), Add	*3,092.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,565.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,319.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0204		**Mechanical Joint Ductile Iron Wye (Laterals)** *(33 14 13 13-0002)*		
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	271.78	74.23
		For Cement Mortar Lining (CML), Add	*15.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.95*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	416.40	78.13
		For Cement Mortar Lining (CML), Add	*29.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	400.37	98.48
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	462.75	102.54
		For Cement Mortar Lining (CML), Add	*30.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	623.70	114.74
		For Cement Mortar Lining (CML), Add	*44.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	800.45	118.84
		For Cement Mortar Lining (CML), Add	*62.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	717.74	131.04
		For Cement Mortar Lining (CML), Add	*51.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	866.91	139.18
		For Cement Mortar Lining (CML), Add	*65.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,237.74	127.87
		For Cement Mortar Lining (CML), Add	*104.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*187.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,309.66	139.47
		For Cement Mortar Lining (CML), Add	*109.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*197.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,505.08	147.21
		For Cement Mortar Lining (CML), Add	*128.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,694.46	154.68
		For Cement Mortar Lining (CML), Add	*146.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*262.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*109.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,579.81	143.34
		For Cement Mortar Lining (CML), Add	*136.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*245.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.20*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,786.69	154.93
		For Cement Mortar Lining (CML), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*279.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*116.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,152.66	162.68
		For Cement Mortar Lining (CML), Add	*190.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*343.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,214.59	170.16
		For Cement Mortar Lining (CML), Add	*195.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,007.00	177.88
		For Cement Mortar Lining (CML), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*312.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,365.27	180.53
		For Cement Mortar Lining (CML), Add	*209.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,706.88	188.28
		For Cement Mortar Lining (CML), Add	*242.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,533.53	195.74
		For Cement Mortar Lining (CML), Add	*323.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*582.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*242.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,785.16	203.48
		For Cement Mortar Lining (CML), Add	*347.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*625.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*260.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,699.59	216.28
		For Cement Mortar Lining (CML), Add	*337.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*606.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*252.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,431.09	216.54
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,675.24	224.29
		For Cement Mortar Lining (CML), Add	*233.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*420.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,153.26	231.75
		For Cement Mortar Lining (CML), Add	*280.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*504.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,526.73	239.49
		For Cement Mortar Lining (CML), Add	*316.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*569.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*237.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,412.06	252.30
		For Cement Mortar Lining (CML), Add	*402.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,255.65	270.30
		For Cement Mortar Lining (CML), Add	*384.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*692.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*288.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,825.54	277.14
		For Cement Mortar Lining (CML), Add	*340.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*613.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,118.42	284.88
		For Cement Mortar Lining (CML), Add	*368.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*663.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*276.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,401.51	292.36
		For Cement Mortar Lining (CML), Add	*395.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*712.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*296.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,709.38	300.09
		For Cement Mortar Lining (CML), Add	*425.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*765.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,762.50	312.88
		For Cement Mortar Lining (CML), Add	*428.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*771.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,812.29	330.89
		For Cement Mortar Lining (CML), Add	*431.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*775.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*323.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,404.60	361.19
		For Cement Mortar Lining (CML), Add	*385.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*694.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,541.97	397.42
		For Cement Mortar Lining (CML), Add	*393.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*709.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*295.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,641.79	405.17
		For Cement Mortar Lining (CML), Add	*402.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.09*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,095.45	412.63
		For Cement Mortar Lining (CML), Add	*447.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*804.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*335.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,545.76	420.37
		For Cement Mortar Lining (CML), Add	*490.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*883.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,602.64	433.16
		For Cement Mortar Lining (CML), Add	*494.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*890.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,669.29	451.17
		For Cement Mortar Lining (CML), Add	*498.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*897.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*373.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,566.12	481.47
		For Cement Mortar Lining (CML), Add	*583.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,050.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*437.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,226.15	541.60
		For Cement Mortar Lining (CML), Add	*540.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*973.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*405.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,524.00	517.33
		For Cement Mortar Lining (CML), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*853.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,595.70	525.07
		For Cement Mortar Lining (CML), Add	*480.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*864.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*360.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,227.42	532.54
		For Cement Mortar Lining (CML), Add	*542.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*975.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,516.52	540.28
		For Cement Mortar Lining (CML), Add	*569.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,518.07	553.08
		For Cement Mortar Lining (CML), Add	*668.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,202.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*501.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,349.43	571.07
		For Cement Mortar Lining (CML), Add	*748.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,347.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.31*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,340.00	601.38
		For Cement Mortar Lining (CML), Add	*842.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,517.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*632.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,261.44	661.52
		For Cement Mortar Lining (CML), Add	*925.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,115.23	721.47
		For Cement Mortar Lining (CML), Add	*802.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,443.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*601.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,369.76	602.54
		For Cement Mortar Lining (CML), Add	*1,045.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,882.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*784.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,742.25	610.29
		For Cement Mortar Lining (CML), Add	*1,181.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	13,480.80	617.74
		For Cement Mortar Lining (CML), Add	*1,254.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,258.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*940.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,219.76	625.49
		For Cement Mortar Lining (CML), Add	*1,327.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,388.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*995.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,268.15	638.29
		For Cement Mortar Lining (CML), Add	*1,430.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,574.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,072.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	16,397.54	656.29
		For Cement Mortar Lining (CML), Add	*1,540.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,772.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,155.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	16,812.68	686.59
		For Cement Mortar Lining (CML), Add	*1,577.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,182.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	17,419.25	746.73
		For Cement Mortar Lining (CML), Add	*1,628.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,931.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,221.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	18,254.20	806.69
		For Cement Mortar Lining (CML), Add	*1,703.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,065.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,277.40*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	19,782.59	849.30
		For Cement Mortar Lining (CML), Add	*1,849.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,329.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,387.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	21,686.94	692.21
		For Cement Mortar Lining (CML), Add	*2,063.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,714.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,547.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	22,536.66	705.00
		For Cement Mortar Lining (CML), Add	*2,146.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,864.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,610.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	23,383.02	723.01
		For Cement Mortar Lining (CML), Add	*2,228.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,011.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,671.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	25,016.47	753.31
		For Cement Mortar Lining (CML), Add	*2,387.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,297.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,790.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	26,700.76	813.44
		For Cement Mortar Lining (CML), Add	*2,546.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,584.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,910.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	29,616.20	873.40
		For Cement Mortar Lining (CML), Add	*2,829.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,092.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,121.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	33,172.62	916.01
		For Cement Mortar Lining (CML), Add	*3,178.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,721.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,383.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	39,578.98	949.37
		For Cement Mortar Lining (CML), Add	*3,814.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,865.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,860.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,828.08	850.75
		For Cement Mortar Lining (CML), Add	*3,353.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,037.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,515.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	35,700.52	910.69
		For Cement Mortar Lining (CML), Add	*3,432.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,177.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,574.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	38,134.21	953.30
		For Cement Mortar Lining (CML), Add	*3,668.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,604.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,751.74*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	43,601.54	986.67
		For Cement Mortar Lining (CML), Add	*4,210.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,579.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,158.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	51,415.72	1,005.31
		For Cement Mortar Lining (CML), Add	*4,989.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,980.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,741.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,363.33	910.17
		For Cement Mortar Lining (CML), Add	*3,298.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,937.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,473.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	38,915.05	970.12
		For Cement Mortar Lining (CML), Add	*3,744.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,740.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,808.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	41,474.32	1,012.73
		For Cement Mortar Lining (CML), Add	*3,993.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,189.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,995.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	47,269.67	1,046.09
		For Cement Mortar Lining (CML), Add	*4,568.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,223.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	61,786.42	1,064.74
		For Cement Mortar Lining (CML), Add	*6,017.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10,831.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,512.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	67,829.25	1,094.46
		For Cement Mortar Lining (CML), Add	*6,617.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,910.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,962.82*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0286 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

33 14 13 13-0287	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	552.47	114.80
		For Cement Mortar Lining (CML), Add	*37.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.40*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*28.40*	
33 14 13 13-0288	EA	8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	655.88	131.04
		For Cement Mortar Lining (CML), Add	*45.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*34.30*	
33 14 13 13-0289	EA	10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	991.03	139.47
		For Cement Mortar Lining (CML), Add	*77.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*140.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*58.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0290	EA	12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,113.81	154.93
		For Cement Mortar Lining (CML), Add	*87.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.93*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*65.93*	
33 14 13 13-0291	EA	14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,518.08	180.53
		For Cement Mortar Lining (CML), Add	*124.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.34*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*93.34*	
33 14 13 13-0292	EA	16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,938.14	216.54
		For Cement Mortar Lining (CML), Add	*161.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*120.75*	
33 14 13 13-0293	EA	18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,380.44	277.14
		For Cement Mortar Lining (CML), Add	*196.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*147.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*147.04*	
33 14 13 13-0294	EA	20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,336.78	397.42
		For Cement Mortar Lining (CML), Add	*273.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*492.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*205.10*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*205.10*	
33 14 13 13-0295	EA	24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,880.20	517.33
		For Cement Mortar Lining (CML), Add	*313.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*564.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*235.04*	
33 14 13 13-0296	EA	30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,568.64	602.54
		For Cement Mortar Lining (CML), Add	*665.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,198.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*499.18*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*499.18*	

33 14 13 13-0297 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

33 14 13 13-0298	EA	6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	496.24	114.80
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*32.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.18*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*24.18*	
33 14 13 13-0299	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	580.91	131.04
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*38.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.68*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*28.68*	
33 14 13 13-0300	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	826.09	139.47
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*46.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0301	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,021.96	154.93
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*78.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*141.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*59.04*	
33 14 13 13-0302	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,285.66	180.53
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*101.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*75.91*	
33 14 13 13-0303	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,623.26	216.54
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*129.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.14*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*97.14*	
33 14 13 13-0304	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,097.42	277.14
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*167.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*301.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.81*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*125.81*	
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,292.79	397.42
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*169.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*304.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.80*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*126.80*	
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	3,181.08	517.33
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*243.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*438.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.61*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*182.61*	

33 14 13 13-0307 Mechanical Joint Ductile Iron Cross *(33 14 13 13-0002)*

33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross	375.96	88.55
		For Cement Mortar Lining (CML), Add	*24.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross	455.26	96.35
		For Cement Mortar Lining (CML), Add	*30.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross	539.72	97.66
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross	644.07	120.72
		For Cement Mortar Lining (CML), Add	*46.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.58*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross	624.64	130.22
		For Cement Mortar Lining (CML), Add	*42.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross	726.46	162.77
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross	641.29	142.44
		For Cement Mortar Lining (CML), Add	*42.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross	761.82	174.99
		For Cement Mortar Lining (CML), Add	*49.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross	806.60	187.19
		For Cement Mortar Lining (CML), Add	*52.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross	781.39	149.55
		For Cement Mortar Lining (CML), Add	*55.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross	895.73	180.49
		For Cement Mortar Lining (CML), Add	*62.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,063.27	192.10
		For Cement Mortar Lining (CML), Add	*77.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,150.37	206.24
		For Cement Mortar Lining (CML), Add	*83.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	12 x 4" Mechanical Joint Ductile Iron Cross	947.09	162.41
		For Cement Mortar Lining (CML), Add	*70.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,100.79	193.36
		For Cement Mortar Lining (CML), Add	*80.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,585.09	204.97
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,606.59	219.15
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,822.90	232.02
		For Cement Mortar Lining (CML), Add	*147.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*264.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,866.69	212.68
		For Cement Mortar Lining (CML), Add	*154.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*278.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,195.42	224.29
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,254.40	238.48
		For Cement Mortar Lining (CML), Add	*189.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*340.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,378.86	251.35
		For Cement Mortar Lining (CML), Add	*199.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,631.19	270.70
		For Cement Mortar Lining (CML), Add	*222.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*399.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,134.47	239.73
		For Cement Mortar Lining (CML), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,427.58	251.35
		For Cement Mortar Lining (CML), Add	*204.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*368.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	16" x 10" Mechanical Joint Ductile Iron Cross	2,903.75	265.53
		For Cement Mortar Lining (CML), Add	*250.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,235.18	278.41
		For Cement Mortar Lining (CML), Add	*281.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*506.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	16" x 14" Mechanical Joint Ductile Iron Cross	3,905.48	297.73
		For Cement Mortar Lining (CML), Add	*345.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*621.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.08*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0336	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,570.62	324.84
		For Cement Mortar Lining (CML), Add	*407.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*734.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,524.00	283.48
		For Cement Mortar Lining (CML), Add	*309.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,725.30	295.09
		For Cement Mortar Lining (CML), Add	*327.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*590.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	18" x 10" Mechanical Joint Ductile Iron Cross	3,900.48	309.27
		For Cement Mortar Lining (CML), Add	*343.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*617.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,227.37	322.15
		For Cement Mortar Lining (CML), Add	*373.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross	4,929.54	341.48
		For Cement Mortar Lining (CML), Add	*441.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*794.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,247.92	368.52
		For Cement Mortar Lining (CML), Add	*468.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*844.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,497.88	412.25
		For Cement Mortar Lining (CML), Add	*487.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*877.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*365.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,430.01	355.67
		For Cement Mortar Lining (CML), Add	*389.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*700.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,633.16	367.29
		For Cement Mortar Lining (CML), Add	*407.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,776.48	381.48
		For Cement Mortar Lining (CML), Add	*419.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*755.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*314.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,101.51	394.35
		For Cement Mortar Lining (CML), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*810.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*337.80*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,192.62	413.69
		For Cement Mortar Lining (CML), Add	*456.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,275.75	440.73
		For Cement Mortar Lining (CML), Add	*560.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,009.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*420.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,525.71	484.47
		For Cement Mortar Lining (CML), Add	*579.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,042.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*434.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,064.33	556.62
		For Cement Mortar Lining (CML), Add	*622.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,119.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*466.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,036.57	444.94
		For Cement Mortar Lining (CML), Add	*536.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*965.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*402.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,178.22	456.55
		For Cement Mortar Lining (CML), Add	*548.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*987.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*411.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,413.04	470.73
		For Cement Mortar Lining (CML), Add	*569.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,616.23	483.61
		For Cement Mortar Lining (CML), Add	*588.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,059.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*441.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	24" x 14" Mechanical Joint Ductile Iron Cross	6,737.35	502.93
		For Cement Mortar Lining (CML), Add	*597.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,075.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*448.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	24" x 16" Mechanical Joint Ductile Iron Cross	6,993.89	529.99
		For Cement Mortar Lining (CML), Add	*619.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,114.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*464.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,236.24	573.72
		For Cement Mortar Lining (CML), Add	*836.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,506.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*627.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	24" x 20" Mechanical Joint Ductile Iron Cross	9,743.01	645.93
		For Cement Mortar Lining (CML), Add	*876.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.32*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0360	EA	24" x 24" Mechanical Joint Ductile Iron Cross	10,736.67	735.21
		For Cement Mortar Lining (CML), Add	*962.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,732.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*721.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	30" x 8" Mechanical Joint Ductile Iron Cross	11,525.64	591.61
		For Cement Mortar Lining (CML), Add	*1,062.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,913.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*797.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	30" x 10" Mechanical Joint Ductile Iron Cross	11,755.18	605.80
		For Cement Mortar Lining (CML), Add	*1,083.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,950.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*812.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	30" x 12" Mechanical Joint Ductile Iron Cross	11,980.87	618.67
		For Cement Mortar Lining (CML), Add	*1,104.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,987.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*828.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,248.18	637.99
		For Cement Mortar Lining (CML), Add	*1,128.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,030.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*846.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	30" x 16" Mechanical Joint Ductile Iron Cross	12,555.34	665.04
		For Cement Mortar Lining (CML), Add	*1,154.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,078.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*866.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	30" x 18" Mechanical Joint Ductile Iron Cross	12,917.75	708.79
		For Cement Mortar Lining (CML), Add	*1,184.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,131.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*888.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,381.40	781.00
		For Cement Mortar Lining (CML), Add	*1,219.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,195.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,192.18	870.25
		For Cement Mortar Lining (CML), Add	*1,587.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,857.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,190.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	30" x 30" Mechanical Joint Ductile Iron Cross	19,769.70	1,005.32
		For Cement Mortar Lining (CML), Add	*1,824.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,284.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,368.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,073.21	641.40
		For Cement Mortar Lining (CML), Add	*1,510.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,718.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,132.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	36" x 10" Mechanical Joint Ductile Iron Cross	16,300.88	655.58
		For Cement Mortar Lining (CML), Add	*1,530.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,755.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,148.07*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0372	EA	36" x 12" Mechanical Joint Ductile Iron Cross	16,496.57	668.46
		For Cement Mortar Lining (CML), Add	*1,548.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,787.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,161.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	36" x 14" Mechanical Joint Ductile Iron Cross	16,732.02	687.78
		For Cement Mortar Lining (CML), Add	*1,568.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,824.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,176.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	36" x 16" Mechanical Joint Ductile Iron Cross	17,009.18	714.84
		For Cement Mortar Lining (CML), Add	*1,592.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,866.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,194.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	36" x 18" Mechanical Joint Ductile Iron Cross	17,339.73	758.57
		For Cement Mortar Lining (CML), Add	*1,619.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,914.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,214.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	36" x 20" Mechanical Joint Ductile Iron Cross	17,773.39	830.78
		For Cement Mortar Lining (CML), Add	*1,651.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,972.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,238.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross	18,527.15	920.04
		For Cement Mortar Lining (CML), Add	*1,713.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,083.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,284.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross	24,943.29	1,055.09
		For Cement Mortar Lining (CML), Add	*2,334.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,750.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross	27,402.85	1,104.93
		For Cement Mortar Lining (CML), Add	*2,572.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,631.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,929.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross	21,563.37	697.24
		For Cement Mortar Lining (CML), Add	*2,050.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,691.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,538.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross	24,377.41	716.57
		For Cement Mortar Lining (CML), Add	*2,329.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,192.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,746.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross	22,055.36	743.61
		For Cement Mortar Lining (CML), Add	*2,092.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,767.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,569.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross	22,348.42	787.36
		For Cement Mortar Lining (CML), Add	*2,115.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,807.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,586.66*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross	22,767.09	859.58
		For Cement Mortar Lining (CML), Add	*2,146.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,863.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,609.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross	23,466.49	948.82
		For Cement Mortar Lining (CML), Add	*2,202.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,965.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,652.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross	30,036.32	1,083.88
		For Cement Mortar Lining (CML), Add	*2,839.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,110.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,129.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross	39,211.58	1,133.67
		For Cement Mortar Lining (CML), Add	*3,749.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,748.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,812.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross	42,014.19	1,162.47
		For Cement Mortar Lining (CML), Add	*4,025.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,245.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,018.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	48" x 12" Mechanical Joint Ductile Iron Cross	29,145.71	811.52
		For Cement Mortar Lining (CML), Add	*2,791.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,024.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,093.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	48" x 14" Mechanical Joint Ductile Iron Cross	29,343.69	830.86
		For Cement Mortar Lining (CML), Add	*2,808.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,055.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,106.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	48" x 16" Mechanical Joint Ductile Iron Cross	29,609.60	857.91
		For Cement Mortar Lining (CML), Add	*2,830.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,095.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,123.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	48" x 18" Mechanical Joint Ductile Iron Cross	29,900.78	901.66
		For Cement Mortar Lining (CML), Add	*2,853.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,136.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,140.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	48" x 20" Mechanical Joint Ductile Iron Cross	30,293.22	973.86
		For Cement Mortar Lining (CML), Add	*2,881.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,187.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,161.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	48" x 24" Mechanical Joint Ductile Iron Cross	30,962.63	1,063.10
		For Cement Mortar Lining (CML), Add	*2,935.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,283.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,201.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	48" x 30" Mechanical Joint Ductile Iron Cross	32,773.56	1,198.17
		For Cement Mortar Lining (CML), Add	*3,095.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,572.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,321.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0396	EA	48" x 36" Mechanical Joint Ductile Iron Cross	40,143.85	1,247.95
		For Cement Mortar Lining (CML), Add	*3,825.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,885.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,868.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	48" x 42" Mechanical Joint Ductile Iron Cross	51,596.45	1,276.75
		For Cement Mortar Lining (CML), Add	*4,966.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,939.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,724.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	48" x 48" Mechanical Joint Ductile Iron Cross	54,952.21	1,390.97
		For Cement Mortar Lining (CML), Add	*5,284.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,512.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,963.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0399 Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*

33 14 13 13-0400	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	181.71	48.18
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	211.46	60.38
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	228.62	64.30
		For Cement Mortar Lining (CML), Add	*13.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	289.80	72.45
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	319.43	84.64
		For Cement Mortar Lining (CML), Add	*19.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	349.91	76.31
		For Cement Mortar Lining (CML), Add	*23.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	380.60	87.92
		For Cement Mortar Lining (CML), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	416.70	95.65
		For Cement Mortar Lining (CML), Add	*27.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	423.47	84.04
		For Cement Mortar Lining (CML), Add	*29.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.21*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0409	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	471.04	95.65
		For Cement Mortar Lining (CML), Add	*32.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	492.14	103.38
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	539.08	110.86
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	887.79	108.44
		For Cement Mortar Lining (CML), Add	*72.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	862.03	116.19
		For Cement Mortar Lining (CML), Add	*68.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	772.14	123.65
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	811.97	131.39
		For Cement Mortar Lining (CML), Add	*61.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,042.52	126.44
		For Cement Mortar Lining (CML), Add	*85.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,022.40	134.19
		For Cement Mortar Lining (CML), Add	*81.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,003.72	141.66
		For Cement Mortar Lining (CML), Add	*78.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*142.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,088.55	149.40
		For Cement Mortar Lining (CML), Add	*86.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,211.02	162.19
		For Cement Mortar Lining (CML), Add	*96.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.40*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0421	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,300.70	164.48
		For Cement Mortar Lining (CML), Add	*105.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,458.22	171.96
		For Cement Mortar Lining (CML), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,406.21	179.69
		For Cement Mortar Lining (CML), Add	*113.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,491.21	192.49
		For Cement Mortar Lining (CML), Add	*119.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,570.98	210.50
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,836.04	224.63
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,761.15	232.09
		For Cement Mortar Lining (CML), Add	*140.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,624.79	239.83
		For Cement Mortar Lining (CML), Add	*126.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,634.82	252.63
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,688.34	270.64
		For Cement Mortar Lining (CML), Add	*127.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,024.77	300.93
		For Cement Mortar Lining (CML), Add	*156.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,386.64	299.78
		For Cement Mortar Lining (CML), Add	*193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*347.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0433	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,454.77	312.58
		For Cement Mortar Lining (CML), Add	*198.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,508.29	330.59
		For Cement Mortar Lining (CML), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,466.09	360.88
		For Cement Mortar Lining (CML), Add	*191.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*345.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*143.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,014.56	421.04
		For Cement Mortar Lining (CML), Add	*237.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*427.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,923.24	373.20
		For Cement Mortar Lining (CML), Add	*435.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*784.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*326.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,141.58	403.49
		For Cement Mortar Lining (CML), Add	*453.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*815.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*339.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,981.55	463.63
		For Cement Mortar Lining (CML), Add	*427.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*770.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,868.08	523.59
		For Cement Mortar Lining (CML), Add	*407.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,382.48	496.99
		For Cement Mortar Lining (CML), Add	*662.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,106.95	556.94
		For Cement Mortar Lining (CML), Add	*526.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*947.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*394.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,632.58	599.55
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,595.99	425.21
		For Cement Mortar Lining (CML), Add	*895.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,611.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*671.38*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0445	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,559.42	455.50
		For Cement Mortar Lining (CML), Add	*886.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,596.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*665.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,620.56	515.64
		For Cement Mortar Lining (CML), Add	*883.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,591.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,736.66	575.60
		For Cement Mortar Lining (CML), Add	*986.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,775.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*739.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,855.66	618.19
		For Cement Mortar Lining (CML), Add	*791.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,425.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*593.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,269.83	651.56
		For Cement Mortar Lining (CML), Add	*828.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,490.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*621.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,928.58	454.92
		For Cement Mortar Lining (CML), Add	*1,223.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,203.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*917.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,535.89	485.21
		For Cement Mortar Lining (CML), Add	*1,180.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,124.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*885.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,952.25	545.36
		For Cement Mortar Lining (CML), Add	*1,112.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,002.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*834.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,326.12	605.30
		For Cement Mortar Lining (CML), Add	*1,140.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,053.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*855.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,727.95	647.91
		For Cement Mortar Lining (CML), Add	*1,374.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,474.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,030.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,902.30	681.27
		For Cement Mortar Lining (CML), Add	*1,187.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,136.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*890.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,163.85	699.92
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0457 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0458	EA	3" Mechanical Joint Ductile Iron Caps	202.87	101.73
		For Cement Mortar Lining (CML), Add	*4.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	4" Mechanical Joint Ductile Iron Caps	231.47	119.37
		For Cement Mortar Lining (CML), Add	*5.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	6" Mechanical Joint Ductile Iron Caps	316.05	149.21
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	8" Mechanical Joint Ductile Iron Caps	408.32	170.55
		For Cement Mortar Lining (CML), Add	*15.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	10" Mechanical Joint Ductile Iron Caps	579.93	257.81
		For Cement Mortar Lining (CML), Add	*18.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	12" Mechanical Joint Ductile Iron Caps	709.14	281.24
		For Cement Mortar Lining (CML), Add	*28.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	14" Mechanical Joint Ductile Iron Caps	897.96	309.37
		For Cement Mortar Lining (CML), Add	*42.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	16" Mechanical Joint Ductile Iron Caps	1,096.24	343.70
		For Cement Mortar Lining (CML), Add	*57.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*103.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	18" Mechanical Joint Ductile Iron Caps	1,288.79	386.71
		For Cement Mortar Lining (CML), Add	*70.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	20" Mechanical Joint Ductile Iron Caps	1,578.67	441.90
		For Cement Mortar Lining (CML), Add	*90.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*163.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468	EA	24" Mechanical Joint Ductile Iron Caps	2,029.52	515.61
		For Cement Mortar Lining (CML), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469	EA	30" Mechanical Joint Ductile Iron Caps	3,792.07	618.73
		For Cement Mortar Lining (CML), Add	*285.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*513.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.09*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0470	EA	36" Mechanical Joint Ductile Iron Caps	6,363.71	773.42
		For Cement Mortar Lining (CML), Add	*519.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*934.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*389.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	42" Mechanical Joint Ductile Iron Caps	9,280.24	928.10
		For Cement Mortar Lining (CML), Add	*787.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,417.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*590.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	48" Mechanical Joint Ductile Iron Caps	11,050.27	1,031.22
		For Cement Mortar Lining (CML), Add	*948.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,707.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*711.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473		**Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0002)*		
33 14 13 13-0474	EA	3" Mechanical Joint Ductile Iron Plug	210.37	101.73
		For Cement Mortar Lining (CML), Add	*5.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	4" Mechanical Joint Ductile Iron Plug	242.71	119.37
		For Cement Mortar Lining (CML), Add	*6.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	6" Mechanical Joint Ductile Iron Plug	346.04	149.21
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	8" Mechanical Joint Ductile Iron Plug	438.30	170.55
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	10" Mechanical Joint Ductile Iron Plug	701.76	257.81
		For Cement Mortar Lining (CML), Add	*31.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	12" Mechanical Joint Ductile Iron Plug	742.88	281.24
		For Cement Mortar Lining (CML), Add	*31.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	14" Mechanical Joint Ductile Iron Plug	1,113.51	309.37
		For Cement Mortar Lining (CML), Add	*64.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	16" Mechanical Joint Ductile Iron Plug	603.29	343.70
		For Cement Mortar Lining (CML), Add	*8.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	18" Mechanical Joint Ductile Iron Plug	1,609.30	386.71
		For Cement Mortar Lining (CML), Add	*102.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0483	EA	20" Mechanical Joint Ductile Iron Plug	2,015.38	441.90
		For Cement Mortar Lining (CML), Add	*134.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*242.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484	EA	24" Mechanical Joint Ductile Iron Plug	2,648.05	515.61
		For Cement Mortar Lining (CML), Add	*186.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0485	EA	30" Mechanical Joint Ductile Iron Plug	4,643.01	618.73
		For Cement Mortar Lining (CML), Add	*370.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*667.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	36" Mechanical Joint Ductile Iron Plug	6,896.01	773.42
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	42" Mechanical Joint Ductile Iron Plug	9,347.71	928.10
		For Cement Mortar Lining (CML), Add	*794.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,429.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	48" Mechanical Joint Ductile Iron Plug	12,148.62	1,031.22
		For Cement Mortar Lining (CML), Add	*1,058.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,905.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.96*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0489 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*

33 14 13 13-0490	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	356.12	154.63
		For Cement Mortar Lining (CML), Add	*12.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	402.49	179.05
		For Cement Mortar Lining (CML), Add	*13.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	520.92	223.82
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	663.07	255.75
		For Cement Mortar Lining (CML), Add	*27.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,065.75	386.71
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,253.97	421.86
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0496	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,679.62	464.05
		For Cement Mortar Lining (CML), Add	*97.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,896.44	515.61
		For Cement Mortar Lining (CML), Add	*111.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,584.51	580.07
		For Cement Mortar Lining (CML), Add	*170.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,036.20	662.91
		For Cement Mortar Lining (CML), Add	*203.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*365.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,674.06	773.42
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,011.42	928.10
		For Cement Mortar Lining (CML), Add	*460.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*828.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0502	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,357.24	1,160.12
		For Cement Mortar Lining (CML), Add	*659.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,187.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*494.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0503	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,209.91	1,325.82
		For Cement Mortar Lining (CML), Add	*920.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,656.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*690.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0504	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,867.00	1,546.83
		For Cement Mortar Lining (CML), Add	*1,152.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,074.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*864.25*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0505 Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0002)*

33 14 13 13-0506	EA	3" Mechanical Joint Ductile Iron Long Sleeves	337.38	154.63
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0507	EA	4" Mechanical Joint Ductile Iron Long Sleeves	393.12	179.05
		For Cement Mortar Lining (CML), Add	*12.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508	EA	6" Mechanical Joint Ductile Iron Long Sleeves	543.41	223.82
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0509	EA	8" Mechanical Joint Ductile Iron Long Sleeves	723.05	255.75
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510	EA	10" Mechanical Joint Ductile Iron Long Sleeves	985.15	386.71
		For Cement Mortar Lining (CML), Add	*39.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0511	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,178.99	421.86
		For Cement Mortar Lining (CML), Add	*53.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,518.43	464.05
		For Cement Mortar Lining (CML), Add	*81.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,813.97	515.61
		For Cement Mortar Lining (CML), Add	*103.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,200.28	580.07
		For Cement Mortar Lining (CML), Add	*132.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0515	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,599.49	662.91
		For Cement Mortar Lining (CML), Add	*159.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*287.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*119.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0516	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,272.95	773.42
		For Cement Mortar Lining (CML), Add	*210.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0517	EA	30" Mechanical Joint Ductile Iron Long Sleeves	5,807.12	928.10
		For Cement Mortar Lining (CML), Add	*440.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*792.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0518	EA	36" Mechanical Joint Ductile Iron Long Sleeves	7,937.39	1,160.12
		For Cement Mortar Lining (CML), Add	*617.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,112.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*463.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0519	EA	42" Mechanical Joint Ductile Iron Long Sleeves	10,272.33	1,324.31
		For Cement Mortar Lining (CML), Add	*826.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,487.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*619.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0520	EA	48" Mechanical Joint Ductile Iron Long Sleeves	13,955.09	1,546.83
		For Cement Mortar Lining (CML), Add	*1,161.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,090.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*870.86*	
		Note: ANSI/AWWA C151/A21.51		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0521			**Mechanical Joint Ductile Iron Gland Packs** *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0522			**Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0521)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0523		EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	37.49	
33 14 13 13-0524		EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14	
33 14 13 13-0525		EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25	
33 14 13 13-0526		EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36	
33 14 13 13-0527		EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85	
33 14 13 13-0528		EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12	
33 14 13 13-0529		EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64	
33 14 13 13-0530		EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75	
33 14 13 13-0531		EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00	
33 14 13 13-0532		EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0533		EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28	
33 14 13 13-0534		EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78	
33 14 13 13-0535		EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50	
33 14 13 13-0536		EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59	
33 14 13 13-0537		EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39	
33 14 13 13-0538		EA	54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	3,684.02	
33 14 13 13-0539			**Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts** *(33 14 13 13-0521)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0540		EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	63.73	
33 14 13 13-0541		EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36	
33 14 13 13-0542		EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16	
33 14 13 13-0543		EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85	
33 14 13 13-0544		EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46	
33 14 13 13-0545		EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72	
33 14 13 13-0546		EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51	
33 14 13 13-0547		EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73	
33 14 13 13-0548		EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0549		EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95	
33 14 13 13-0550		EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47	
33 14 13 13-0551			**Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0521)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0552		EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	41.24	
33 14 13 13-0553		EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	36.98	
33 14 13 13-0554		EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	44.09	
33 14 13 13-0555		EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	52.63	
33 14 13 13-0556		EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	72.54	
33 14 13 13-0557		EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	76.81	
33 14 13 13-0558		EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	126.59	
33 14 13 13-0559		EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	133.71	
33 14 13 13-0560		EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	180.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0561	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	231.85	
33 14 13 13-0562	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	324.31	
33 14 13 13-0563	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	776.63	
33 14 13 13-0564	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,721.10	
33 14 13 13-0565	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,492.04	
33 14 13 13-0566	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,066.69	
33 14 13 13-0567	EA	54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	3,763.67	
33 14 13 13-0568		**Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series)** *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0569	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	213.91	77.57
33 14 13 13-0570	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	243.90	91.86
33 14 13 13-0571	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	302.57	113.70
33 14 13 13-0572	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	377.86	132.68
33 14 13 13-0573	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	545.71	193.36
33 14 13 13-0574	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	673.63	221.01
33 14 13 13-0575	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	785.37	237.89
33 14 13 13-0576	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	969.57	257.81
33 14 13 13-0577	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,245.16	309.37
33 14 13 13-0578	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,470.73	343.58
33 14 13 13-0579	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,912.36	396.44
33 14 13 13-0580	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,726.97	475.42
33 14 13 13-0581	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,602.02	594.95
33 14 13 13-0582	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,801.25	686.47
33 14 13 13-0583	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,709.57	882.87
33 14 13 13-0584		**Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** *(33 14 13 13-0002)*		
33 14 13 13-0585	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,637.95	63.48
33 14 13 13-0586	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,828.55	79.35
33 14 13 13-0587	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,006.49	117.27
33 14 13 13-0588	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,522.75	139.10
33 14 13 13-0589	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,004.94	154.33
33 14 13 13-0590	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	16,013.48	181.05
33 14 13 13-0591	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,727.84	203.02
33 14 13 13-0592	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,339.47	232.02
33 14 13 13-0593	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,309.46	324.84
33 14 13 13-0594	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,396.28	406.05
33 14 13 13-0595	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	49,046.94	541.39
33 14 13 13-0596		**Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0597	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	212.35	77.57
33 14 13 13-0598	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	272.76	91.86
33 14 13 13-0599	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	352.62	113.70
33 14 13 13-0600	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	402.39	132.68
33 14 13 13-0601	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	707.40	203.47
33 14 13 13-0602	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	800.54	232.57
33 14 13 13-0603		**Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0604	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	310.39	77.57
33 14 13 13-0605	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	386.19	91.86
33 14 13 13-0606	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	535.00	113.70
33 14 13 13-0607	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	774.28	132.68
33 14 13 13-0608	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,121.46	203.47
33 14 13 13-0609	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,394.84	232.57
33 14 13 13-0610	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,151.78	250.32
33 14 13 13-0611	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,017.54	271.29
33 14 13 13-0612	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,412.60	325.55
33 14 13 13-0613	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,769.62	361.55
33 14 13 13-0614	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,560.83	417.17
33 14 13 13-0615	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,868.64	500.28
33 14 13 13-0616	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,768.46	626.06
33 14 13 13-0617	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,893.44	722.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0618	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,323.13	929.04
33 14 13 13-0619		**Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint** *(33 14 13 13-0002)* Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.		
33 14 13 13-0620	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,258.17	119.37
33 14 13 13-0621	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,997.83	149.21
33 14 13 13-0622	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,648.20	170.55
33 14 13 13-0623	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,659.76	257.81
33 14 13 13-0624	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,783.66	281.24
33 14 13 13-0625	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,539.81	309.37
33 14 13 13-0626	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,157.70	343.70
33 14 13 13-0627	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,805.56	386.71
33 14 13 13-0628	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,998.79	441.90
33 14 13 13-0629	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	15,714.04	515.61
33 14 13 13-0630	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	54,962.62	618.73
33 14 13 13-0631	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	78,032.60	773.42
33 14 13 13-0632		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)* See CSI section 33 14 13 13-0521 for bolts and gaskets.		
33 14 13 13-0633		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0634	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	466.31	44.27
33 14 13 13-0635	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	558.11	53.02
33 14 13 13-0636	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	866.23	77.68
33 14 13 13-0637	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,184.56	92.48
33 14 13 13-0638	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,625.33	103.13
33 14 13 13-0639	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,060.87	120.70
33 14 13 13-0640	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,930.33	135.94
33 14 13 13-0641	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,555.66	154.68
33 14 13 13-0642	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,296.01	216.79
33 14 13 13-0643	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,354.58	270.70
33 14 13 13-0644	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,571.18	360.92
33 14 13 13-0645	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,126.11	386.71
33 14 13 13-0646	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,863.21	401.94
33 14 13 13-0647	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	29,434.55	464.05
33 14 13 13-0648	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	38,506.16	493.35
33 14 13 13-0649		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0650	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	445.69	44.27
33 14 13 13-0651	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	522.50	53.02
33 14 13 13-0652	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	804.38	77.68
33 14 13 13-0653	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,088.97	92.48
33 14 13 13-0654	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,422.90	103.13
33 14 13 13-0655	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,879.06	120.70
33 14 13 13-0656	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,540.47	135.94
33 14 13 13-0657	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,042.09	154.68
33 14 13 13-0658	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,596.88	216.79
33 14 13 13-0659	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,366.81	270.70
33 14 13 13-0660	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,754.97	360.92
33 14 13 13-0661	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,594.79	386.71
33 14 13 13-0662	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	14,652.50	401.94
33 14 13 13-0663	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	21,776.08	464.05
33 14 13 13-0664	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	27,878.76	493.35
33 14 13 13-0665		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0666	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	346.35	44.27
33 14 13 13-0667	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	516.88	53.02
33 14 13 13-0668	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	781.89	77.68
33 14 13 13-0669	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,081.47	92.48
33 14 13 13-0670	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,421.03	103.13
33 14 13 13-0671	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,770.35	120.70
33 14 13 13-0672	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,555.47	135.94
33 14 13 13-0673	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,974.62	154.68
33 14 13 13-0674	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,580.02	216.79
33 14 13 13-0675	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,522.38	270.70
33 14 13 13-0676	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,631.26	360.92
33 14 13 13-0677	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,427.09	386.71
33 14 13 13-0678	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,871.90	401.94
33 14 13 13-0679	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,422.92	464.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0680	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	23,592.19	493.35
33 14 13 13-0681		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0682	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	346.35	44.27
33 14 13 13-0683	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	619.96	53.02
33 14 13 13-0684	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	789.39	77.68
33 14 13 13-0685	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,047.73	92.48
33 14 13 13-0686	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,417.28	103.13
33 14 13 13-0687	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,719.74	120.70
33 14 13 13-0688	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,752.27	135.94
33 14 13 13-0689	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,066.46	154.68
33 14 13 13-0690	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,112.32	216.79
33 14 13 13-0691	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,361.19	270.70
33 14 13 13-0692	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,633.13	360.92
33 14 13 13-0693	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,550.79	386.71
33 14 13 13-0694	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,517.65	401.94
33 14 13 13-0695	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,916.85	464.05
33 14 13 13-0696	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	23,457.24	493.35
33 14 13 13-0697		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0698	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	408.21	44.27
33 14 13 13-0699	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	601.22	53.02
33 14 13 13-0700	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	937.46	77.68
33 14 13 13-0701	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,274.52	92.48
33 14 13 13-0702	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,756.53	103.13
33 14 13 13-0703	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,205.19	120.70
33 14 13 13-0704	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,966.83	135.94
33 14 13 13-0705	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,192.82	154.68
33 14 13 13-0706	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,075.62	216.79
33 14 13 13-0707	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,154.81	270.70
33 14 13 13-0708	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,815.73	360.92
33 14 13 13-0709		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0710	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	408.21	44.27
33 14 13 13-0711	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	529.99	53.02
33 14 13 13-0712	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	834.37	77.68
33 14 13 13-0713	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,180.81	92.48
33 14 13 13-0714	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,567.22	103.13
33 14 13 13-0715	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,040.25	120.70
33 14 13 13-0716	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,720.39	135.94
33 14 13 13-0717	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,268.88	154.68
33 14 13 13-0718	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,119.72	216.79
33 14 13 13-0719	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,419.19	270.70
33 14 13 13-0720	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,682.75	360.92
33 14 13 13-0721		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0632)*		
33 14 13 13-0722	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	574.82	66.42
33 14 13 13-0723	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	627.01	74.88
33 14 13 13-0724	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	661.93	77.68
33 14 13 13-0725	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	943.92	98.48
33 14 13 13-0726	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,023.17	102.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0727	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,079.16	114.68
33 14 13 13-0728	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,255.91	118.38
33 14 13 13-0729	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,358.75	130.71
33 14 13 13-0730	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,494.81	139.35
33 14 13 13-0731	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,687.57	127.73
33 14 13 13-0732	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,684.53	139.45
33 14 13 13-0733	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,825.59	147.65
33 14 13 13-0734	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,969.98	154.68
33 14 13 13-0735	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,031.52	142.97
33 14 13 13-0736	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,049.09	154.68
33 14 13 13-0737	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,216.39	162.89
33 14 13 13-0738	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,555.72	169.91
33 14 13 13-0739	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,561.80	178.12
33 14 13 13-0740	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,903.20	180.47
33 14 13 13-0741	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,141.72	188.67
33 14 13 13-0742	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,814.68	195.70
33 14 13 13-0743	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,026.95	203.90
33 14 13 13-0744	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,729.58	216.79
33 14 13 13-0745	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,473.11	216.79
33 14 13 13-0746	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,661.14	223.82
33 14 13 13-0747	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,394.06	232.02
33 14 13 13-0748	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,120.89	239.05
33 14 13 13-0749	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,379.21	251.95
33 14 13 13-0750	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,864.81	270.70
33 14 13 13-0751	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,560.27	277.73
33 14 13 13-0752	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,810.04	284.76
33 14 13 13-0753	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,126.88	291.79
33 14 13 13-0754	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,419.74	299.99
33 14 13 13-0755	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,568.46	312.88
33 14 13 13-0756	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,950.00	330.46
33 14 13 13-0757	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,642.54	360.92
33 14 13 13-0758	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,239.22	397.25
33 14 13 13-0759	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,327.79	405.45
33 14 13 13-0760	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,856.43	412.49
33 14 13 13-0761	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,145.55	420.69
33 14 13 13-0762	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,206.17	433.59
33 14 13 13-0763	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,126.63	451.16
33 14 13 13-0764	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,836.91	481.63
33 14 13 13-0765	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,675.99	541.39
33 14 13 13-0766	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,358.07	516.78
33 14 13 13-0767	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,418.53	526.16
33 14 13 13-0768	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,534.81	532.01
33 14 13 13-0769	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,707.70	540.22
33 14 13 13-0770	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,632.40	553.11
33 14 13 13-0771	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,961.45	570.69
33 14 13 13-0772	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,802.95	601.15
33 14 13 13-0773	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,118.99	662.09
33 14 13 13-0774	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,488.22	721.86
33 14 13 13-0775	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,142.97	602.33
33 14 13 13-0776	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,607.40	610.53
33 14 13 13-0777	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,212.88	617.56
33 14 13 13-0778	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,820.63	625.76
33 14 13 13-0779	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,683.46	638.65
33 14 13 13-0780	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,614.18	849.58
33 14 13 13-0781	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,551.37	686.70
33 14 13 13-0782	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,531.91	746.47
33 14 13 13-0783	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,096.95	806.23
33 14 13 13-0784	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,834.28	849.58
33 14 13 13-0785	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,497.59	677.33
33 14 13 13-0786	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,869.66	684.36
33 14 13 13-0787	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,610.49	692.56
33 14 13 13-0788	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,134.08	705.45
33 14 13 13-0789	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,659.93	723.02
33 14 13 13-0790	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,672.98	753.50
33 14 13 13-0791	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,733.13	813.26
33 14 13 13-0792	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	18,542.72	873.03
33 14 13 13-0793	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	20,946.43	949.19
33 14 13 13-0794	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	24,142.08	949.19
33 14 13 13-0795	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	27,514.48	730.06
33 14 13 13-0796	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,068.05	741.78
33 14 13 13-0797	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,873.07	760.52
33 14 13 13-0798	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,196.17	791.00
33 14 13 13-0799	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,287.29	850.76
33 14 13 13-0800	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,174.14	910.52
33 14 13 13-0801	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,694.15	953.88
33 14 13 13-0802	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,803.38	986.70
33 14 13 13-0803	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,795.93	1,005.44
33 14 13 13-0804	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,091.64	788.65
33 14 13 13-0805	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,667.70	801.54
33 14 13 13-0806	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,485.95	820.29
33 14 13 13-0807	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,317.19	849.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0808	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,199.28	910.52
33 14 13 13-0809	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,395.08	970.29
33 14 13 13-0810	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,006.83	1,012.47
33 14 13 13-0811	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,546.98	1,046.46
33 14 13 13-0812	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,327.43	1,065.20
33 14 13 13-0813	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	51,089.70	1,094.50

33 14 13 13-0814 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0632)*

33 14 13 13-0815	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	644.77	74.23
33 14 13 13-0816	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	710.37	74.23
33 14 13 13-0817	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	834.37	77.68
33 14 13 13-0818	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	919.56	98.48
33 14 13 13-0819	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,026.92	102.35
33 14 13 13-0820	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,257.22	114.68
33 14 13 13-0821	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,655.14	118.38
33 14 13 13-0822	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,523.69	130.71
33 14 13 13-0823	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,714.10	139.35
33 14 13 13-0824	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,435.43	127.73
33 14 13 13-0825	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,535.47	139.45
33 14 13 13-0826	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,837.73	147.65
33 14 13 13-0827	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,098.32	154.68
33 14 13 13-0828	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,974.30	142.97
33 14 13 13-0829	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,374.24	154.68
33 14 13 13-0830	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,996.99	162.89
33 14 13 13-0831	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,998.94	169.91
33 14 13 13-0832	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,686.40	178.12
33 14 13 13-0833	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,387.66	180.47
33 14 13 13-0834	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,047.91	188.67
33 14 13 13-0835	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,661.77	195.70
33 14 13 13-0836	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,145.82	203.90
33 14 13 13-0837	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,959.03	216.79
33 14 13 13-0838	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,562.19	216.79
33 14 13 13-0839	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,042.51	223.82
33 14 13 13-0840	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,992.85	232.02
33 14 13 13-0841	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,182.64	239.05
33 14 13 13-0842	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,667.75	251.95
33 14 13 13-0843	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,245.19	270.70
33 14 13 13-0844	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,472.08	277.73
33 14 13 13-0845	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,984.25	284.76
33 14 13 13-0846	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,479.15	291.79
33 14 13 13-0847	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,015.68	299.99
33 14 13 13-0848	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,095.05	312.88
33 14 13 13-0849	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,184.19	330.46
33 14 13 13-0850	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,403.51	360.92
33 14 13 13-0851	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,604.61	397.25
33 14 13 13-0852	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,771.91	405.45
33 14 13 13-0853	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,570.44	412.49
33 14 13 13-0854	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,361.88	420.69
33 14 13 13-0855	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,446.87	433.59
33 14 13 13-0856	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,545.38	451.16
33 14 13 13-0857	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,101.98	481.63
33 14 13 13-0858	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,428.37	541.39
33 14 13 13-0859	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,208.91	516.78
33 14 13 13-0860	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,327.47	524.99
33 14 13 13-0861	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,440.89	532.01
33 14 13 13-0862	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,945.54	540.22
33 14 13 13-0863	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,709.93	553.11
33 14 13 13-0864	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,167.32	570.69
33 14 13 13-0865	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,890.75	601.15
33 14 13 13-0866	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,458.83	662.09
33 14 13 13-0867	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,351.09	721.86
33 14 13 13-0868	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,498.69	602.33
33 14 13 13-0869	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,928.29	610.53
33 14 13 13-0870	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,231.02	617.56
33 14 13 13-0871	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,536.02	625.76
33 14 13 13-0872	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,384.74	638.65
33 14 13 13-0873	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,370.70	656.23
33 14 13 13-0874	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,072.61	686.70
33 14 13 13-0875	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,080.28	746.47
33 14 13 13-0876	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,492.52	806.23
33 14 13 13-0877	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,158.62	849.58
33 14 13 13-0878	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,729.24	692.56
33 14 13 13-0879	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,223.73	705.45
33 14 13 13-0880	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,707.36	723.02
33 14 13 13-0881	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,574.11	753.50
33 14 13 13-0882	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	46,497.33	813.26
33 14 13 13-0883	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,607.60	873.03
33 14 13 13-0884	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,878.03	916.38
33 14 13 13-0885	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,225.10	949.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0886	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,898.00	850.76
33 14 13 13-0887	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,377.72	910.52
33 14 13 13-0888	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,651.99	953.88
33 14 13 13-0889	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	76,330.91	986.70
33 14 13 13-0890	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,197.28	1,005.44
33 14 13 13-0891	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,002.16	910.52
33 14 13 13-0892	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	68,021.37	970.29
33 14 13 13-0893	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,518.69	1,012.47
33 14 13 13-0894	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	82,780.53	1,046.46
33 14 13 13-0895	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	108,558.20	1,065.20
33 14 13 13-0896	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	119,262.47	1,094.50

33 14 13 13-0897 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0632)*

33 14 13 13-0898	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,148.51	114.68
33 14 13 13-0899	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,429.98	130.71
33 14 13 13-0900	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,059.39	139.45
33 14 13 13-0901	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,371.47	154.68
33 14 13 13-0902	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,141.24	180.47
33 14 13 13-0903	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,827.46	216.79
33 14 13 13-0904	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,513.41	277.73
33 14 13 13-0905	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,062.04	397.25
33 14 13 13-0906	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,068.42	516.78
33 14 13 13-0907	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	12,902.95	602.33

33 14 13 13-0908 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0632)*

33 14 13 13-0909	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	638.36	88.55
33 14 13 13-0910	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	800.14	96.35
33 14 13 13-0911	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,004.55	97.42
33 14 13 13-0912	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,062.05	120.78
33 14 13 13-0913	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,245.04	130.71
33 14 13 13-0914	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,371.22	162.77
33 14 13 13-0915	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,321.67	143.04
33 14 13 13-0916	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,556.54	175.10
33 14 13 13-0917	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,537.58	187.44
33 14 13 13-0918	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,557.36	149.99
33 14 13 13-0919	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,742.93	180.47
33 14 13 13-0920	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,075.40	192.18
33 14 13 13-0921	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,248.72	206.24
33 14 13 13-0922	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,007.95	162.89
33 14 13 13-0923	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,322.85	193.36
33 14 13 13-0924	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,522.25	205.08
33 14 13 13-0925	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,946.73	219.13
33 14 13 13-0926	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,369.22	232.02
33 14 13 13-0927	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,489.85	212.10
33 14 13 13-0928	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,144.71	223.82
33 14 13 13-0929	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,243.06	239.05
33 14 13 13-0930	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,478.09	250.77
33 14 13 13-0931	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,964.72	270.70
33 14 13 13-0932	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,905.70	240.23
33 14 13 13-0933	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,474.33	250.77
33 14 13 13-0934	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,404.87	266.01
33 14 13 13-0935	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,048.54	278.90
33 14 13 13-0936	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,357.98	297.65
33 14 13 13-0937	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,676.37	324.60
33 14 13 13-0938	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,775.95	283.58
33 14 13 13-0939	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,170.30	295.30
33 14 13 13-0940	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,506.67	309.37
33 14 13 13-0941	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,157.82	322.26
33 14 13 13-0942	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,566.61	341.00
33 14 13 13-0943	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,175.51	367.96
33 14 13 13-0944	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,618.52	412.49
33 14 13 13-0945	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,519.77	356.25
33 14 13 13-0946	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,917.85	366.79
33 14 13 13-0947	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,188.63	382.02
33 14 13 13-0948	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,834.17	394.91
33 14 13 13-0949	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,990.88	413.66
33 14 13 13-0950	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,168.61	440.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0951	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,611.63	483.97
33 14 13 13-0952	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,601.96	556.62
33 14 13 13-0953	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,672.65	445.30
33 14 13 13-0954	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,943.63	457.02
33 14 13 13-0955	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,403.36	471.08
33 14 13 13-0956	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,799.61	483.97
33 14 13 13-0957	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,016.32	502.73
33 14 13 13-0958	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,499.65	529.67
33 14 13 13-0959	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,028.68	574.20
33 14 13 13-0960	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,953.42	645.68
33 14 13 13-0961	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,850.50	734.75
33 14 13 13-0962	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,136.37	591.78
33 14 13 13-0963	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,495.23	605.84
33 14 13 13-0964	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,848.38	618.73
33 14 13 13-0965	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,263.76	637.48
33 14 13 13-0966	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,737.73	665.61
33 14 13 13-0967	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,283.83	708.97
33 14 13 13-0968	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,966.78	780.44
33 14 13 13-0969	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,064.22	870.68
33 14 13 13-0970	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,116.84	1,005.44
33 14 13 13-0971	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,465.42	641.00
33 14 13 13-0972	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,820.55	655.06
33 14 13 13-0973	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,126.82	667.95
33 14 13 13-0974	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,489.73	687.87
33 14 13 13-0975	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,913.08	714.82
33 14 13 13-0976	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,408.57	758.18
33 14 13 13-0977	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,044.67	830.84
33 14 13 13-0978	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,182.66	919.90
33 14 13 13-0979	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,461.77	1,054.66
33 14 13 13-0980	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	43,403.92	1,105.05
33 14 13 13-0981	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,316.24	697.25
33 14 13 13-0982	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,029.64	715.99
33 14 13 13-0983	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,439.88	744.12
33 14 13 13-0984	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,006.59	787.48
33 14 13 13-0985	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,030.67	860.14
33 14 13 13-0986	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,214.53	949.19
33 14 13 13-0987	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,694.29	1,083.96
33 14 13 13-0988	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	62,529.99	1,133.18
33 14 13 13-0989	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	67,047.61	1,162.47
33 14 13 13-0990	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,507.54	812.09
33 14 13 13-0991	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,810.48	830.84
33 14 13 13-0992	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,215.09	857.79
33 14 13 13-0993	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,646.84	901.15
33 14 13 13-0994	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,215.47	973.80
33 14 13 13-0995	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,216.63	1,062.86
33 14 13 13-0996	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	52,026.58	1,197.62
33 14 13 13-0997	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,934.59	1,248.02
33 14 13 13-0998	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	82,481.50	1,277.31
33 14 13 13-0999	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	87,816.53	1,390.97

33 14 13 13-1000 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0632)*

33 14 13 13-1001	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	457.24	48.18
33 14 13 13-1002	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	640.68	60.38
33 14 13 13-1003	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	704.70	64.12
33 14 13 13-1004	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	927.07	72.75
33 14 13 13-1005	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	962.32	85.09
33 14 13 13-1006	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,137.12	76.17
33 14 13 13-1007	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,188.43	87.88
33 14 13 13-1008	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,235.77	96.09
33 14 13 13-1009	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,315.65	84.37
33 14 13 13-1010	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,455.06	96.09
33 14 13 13-1011	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,478.04	103.13
33 14 13 13-1012	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,543.71	111.33
33 14 13 13-1013	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,284.16	108.98
33 14 13 13-1014	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,295.89	116.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1015	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,994.19	124.22
33 14 13 13-1016	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,034.03	131.25
33 14 13 13-1017	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,738.78	126.56
33 14 13 13-1018	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,654.93	134.76
33 14 13 13-1019	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,490.05	141.79
33 14 13 13-1020	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,458.68	148.82
33 14 13 13-1021	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,781.71	161.71
33 14 13 13-1022	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,972.60	164.06
33 14 13 13-1023	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,355.03	172.26
33 14 13 13-1024	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,201.81	179.29
33 14 13 13-1025	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,832.24	192.18
33 14 13 13-1026	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,347.83	210.93
33 14 13 13-1027	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,957.77	225.00
33 14 13 13-1028	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,987.84	232.02
33 14 13 13-1029	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,617.19	240.23
33 14 13 13-1030	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,612.22	253.12
33 14 13 13-1031	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,519.55	270.70
33 14 13 13-1032	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,167.11	301.16
33 14 13 13-1033	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,982.58	299.99
33 14 13 13-1034	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,054.45	312.88
33 14 13 13-1035	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,141.71	330.46
33 14 13 13-1036	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,056.40	360.92
33 14 13 13-1037	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,831.66	420.69
33 14 13 13-1038	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,123.60	372.64
33 14 13 13-1039	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,508.75	403.11
33 14 13 13-1040	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,146.29	464.05
33 14 13 13-1041	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,726.42	523.81
33 14 13 13-1042	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,032.67	496.86
33 14 13 13-1043	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,165.74	556.62
33 14 13 13-1044	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,920.04	599.99
33 14 13 13-1045	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,863.62	425.38
33 14 13 13-1046	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,752.08	455.85
33 14 13 13-1047	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,785.10	515.61
33 14 13 13-1048	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,473.85	575.38
33 14 13 13-1049	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,067.16	618.73
33 14 13 13-1050	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,766.22	651.54
33 14 13 13-1051	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,528.85	454.67
33 14 13 13-1052	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,791.28	485.14
33 14 13 13-1053	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	20,679.09	544.91
33 14 13 13-1054	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,274.12	605.84
33 14 13 13-1055	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,509.04	648.03
33 14 13 13-1056	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,035.86	680.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1057	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	24,245.82	699.59
33 14 13 13-1058		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps** *(33 14 13 13-0632)*		
33 14 13 13-1059	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	410.92	101.73
33 14 13 13-1060	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	495.75	119.62
33 14 13 13-1061	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	728.40	149.21
33 14 13 13-1062	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	979.98	170.17
33 14 13 13-1063	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,299.67	257.81
33 14 13 13-1064	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,644.43	281.24
33 14 13 13-1065	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,870.73	309.37
33 14 13 13-1066	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,280.81	343.35
33 14 13 13-1067	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,673.91	386.71
33 14 13 13-1068	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,228.07	441.79
33 14 13 13-1069	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,145.63	515.61
33 14 13 13-1070	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,563.20	618.73
33 14 13 13-1071	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,429.01	773.42
33 14 13 13-1072	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	17,937.72	928.10
33 14 13 13-1073	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	21,368.40	1,031.22
33 14 13 13-1074		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0632)*		
33 14 13 13-1075	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	412.80	101.73
33 14 13 13-1076	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	514.49	119.62
33 14 13 13-1077	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	777.13	149.21
33 14 13 13-1078	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,028.72	170.17
33 14 13 13-1079	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,578.94	257.81
33 14 13 13-1080	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,708.15	281.24
33 14 13 13-1081	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,277.46	309.37
33 14 13 13-1082	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,751.26	343.35
33 14 13 13-1083	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,275.57	386.71
33 14 13 13-1084	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,041.52	441.79
33 14 13 13-1085	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,303.96	515.61
33 14 13 13-1086	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,163.87	618.73
33 14 13 13-1087	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,424.27	773.42
33 14 13 13-1088	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,063.30	928.10
33 14 13 13-1089	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	24,031.81	1,031.22
33 14 13 13-1090		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0632)*		
33 14 13 13-1091	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	558.55	154.63
33 14 13 13-1092	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	741.74	178.81
33 14 13 13-1093	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,023.24	224.43
33 14 13 13-1094	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,349.08	255.26
33 14 13 13-1095	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,987.91	386.71
33 14 13 13-1096	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,378.56	421.86
33 14 13 13-1097	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,120.97	464.05
33 14 13 13-1098	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,543.98	515.61
33 14 13 13-1099	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,661.26	580.07
33 14 13 13-1100	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,407.22	663.26
33 14 13 13-1101	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,549.26	773.42
33 14 13 13-1102	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,337.35	928.10
33 14 13 13-1103	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,073.92	1,160.12
33 14 13 13-1104	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	19,179.53	1,325.36
33 14 13 13-1105	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	23,849.63	1,546.83
33 14 13 13-1106		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0632)*		
33 14 13 13-1107	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	581.04	154.63
33 14 13 13-1108	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	713.63	178.81
33 14 13 13-1109	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,055.10	224.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1110	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,435.29	255.26
33 14 13 13-1111	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,867.95	386.71
33 14 13 13-1112	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,266.10	421.86
33 14 13 13-1113	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,881.06	464.05
33 14 13 13-1114	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,416.52	515.61
33 14 13 13-1115	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,083.97	580.07
33 14 13 13-1116	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,756.83	663.26
33 14 13 13-1117	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,953.23	773.42
33 14 13 13-1118	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,028.09	928.10
33 14 13 13-1119	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,041.17	1,160.12
33 14 13 13-1120	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	16,999.28	1,324.18
33 14 13 13-1121	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	25,302.23	1,546.83

33 14 13 13-1122 Push-On Joint Ductile Iron Piping And Gaskets *(33 14 13 13-0001)*

33 14 13 13-1123 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1122)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1124	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	37.60	10.17
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*15.53*	
		For Cement Mortar Lining (CML), Add	*2.22*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*11.98*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*10.54*	
		For >1,000, Deduct	*-1.88*	
		For Class 51, Add	*3.22*	
		For Class 52, Add	*6.93*	
		For Class 53, Add	*12.46*	
		For Class 54, Add	*17.77*	
		For Class 55, Add	*20.45*	
		For Class 56, Add	*23.08*	
33 14 13 13-1125	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	41.23	11.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.04*	
		For Cement Mortar Lining (CML), Add	*2.43*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.14*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.83*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*11.56*	
		For >1,000, Deduct	*-2.06*	
		For Class 51, Add	*3.53*	
		For Class 52, Add	*7.60*	
		For Class 53, Add	*13.68*	
		For Class 54, Add	*19.50*	
		For Class 55, Add	*22.44*	
		For Class 56, Add	*25.33*	
33 14 13 13-1126	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	51.76	12.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.29*	
		For Cement Mortar Lining (CML), Add	*3.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*15.80*	
		For >1,000, Deduct	*-2.59*	
		For Class 51, Add	*4.77*	
		For Class 52, Add	*10.28*	
		For Class 53, Add	*18.52*	
		For Class 54, Add	*26.42*	
		For Class 55, Add	*30.38*	
		For Class 56, Add	*34.27*	
33 14 13 13-1127	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	73.31	17.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*28.16*	
		For Cement Mortar Lining (CML), Add	*4.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.47*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.52*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*22.30*	
		For >1,000, Deduct	*-3.67*	
		For Class 51, Add	*6.73*	
		For Class 52, Add	*14.51*	
		For Class 53, Add	*26.14*	
		For Class 54, Add	*37.29*	
		For Class 55, Add	*42.88*	
		For Class 56, Add	*48.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1128	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	85.26	19.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*27.98*	
		For Cement Mortar Lining (CML), Add	*5.60*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*22.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*26.58*	
		For >1,000, Deduct	*-4.26*	
		For Class 51, Add	*7.99*	
		For Class 52, Add	*17.25*	
		For Class 53, Add	*31.09*	
		For Class 54, Add	*44.35*	
		For Class 55, Add	*50.99*	
		For Class 56, Add	*57.51*	
33 14 13 13-1129	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	104.26	21.80
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.39*	
		For Cement Mortar Lining (CML), Add	*7.13*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*24.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.35*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*33.88*	
		For >1,000, Deduct	*-5.21*	
		For Class 51, Add	*10.13*	
		For Class 52, Add	*21.87*	
		For Class 53, Add	*39.46*	
		For Class 54, Add	*56.31*	
		For Class 55, Add	*64.72*	
		For Class 56, Add	*72.98*	
33 14 13 13-1130	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	123.73	24.84
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*35.31*	
		For Cement Mortar Lining (CML), Add	*8.61*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*26.70*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*40.91*	
		For >1,000, Deduct	*-6.19*	
		For Class 51, Add	*12.21*	
		For Class 52, Add	*26.35*	
		For Class 53, Add	*47.56*	
		For Class 54, Add	*67.88*	
		For Class 55, Add	*78.01*	
		For Class 56, Add	*87.95*	
33 14 13 13-1131	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	143.97	29.06
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*41.01*	
		For Cement Mortar Lining (CML), Add	*10.00*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.01*	
		For Fusion Bonded Epoxy Lining (206N), Add	*18.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*47.51*	
		For >1,000, Deduct	*-7.20*	
		For Class 51, Add	*14.18*	
		For Class 52, Add	*30.61*	
		For Class 53, Add	*55.25*	
		For Class 54, Add	*78.85*	
		For Class 55, Add	*90.61*	
		For Class 56, Add	*102.17*	
33 14 13 13-1132	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	165.87	34.80
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.99*	
		For Cement Mortar Lining (CML), Add	*11.31*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.68*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.49*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*53.74*	
		For >1,000, Deduct	*-8.29*	
		For Class 51, Add	*16.08*	
		For Class 52, Add	*34.71*	
		For Class 53, Add	*62.61*	
		For Class 54, Add	*89.35*	
		For Class 55, Add	*102.69*	
		For Class 56, Add	*115.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1133	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	209.93	43.48
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*44.62*	
		For Cement Mortar Lining (CML), Add	*14.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*25.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.80*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*68.38*	
		For >1,000, Deduct	*-10.50*	
		For Class 51, Add	*20.45*	
		For Class 52, Add	*44.13*	
		For Class 53, Add	*79.62*	
		For Class 54, Add	*113.62*	
		For Class 55, Add	*130.58*	
		For Class 56, Add	*147.24*	
33 14 13 13-1134	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	249.48	46.41
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*55.54*	
		For Cement Mortar Lining (CML), Add	*17.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.44*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-12.47*	
		For Class 51, Add	*25.30*	
		For Class 52, Add	*54.63*	
		For Class 53, Add	*98.65*	
		For Class 54, Add	*140.83*	
		For Class 55, Add	*161.80*	
		For Class 56, Add	*182.38*	
33 14 13 13-1135	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	310.62	49.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*73.12*	
		For Cement Mortar Lining (CML), Add	*23.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.69*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.53*	
		For Class 51, Add	*33.08*	
		For Class 52, Add	*71.47*	
		For Class 53, Add	*129.20*	
		For Class 54, Add	*184.50*	
		For Class 55, Add	*211.88*	
		For Class 56, Add	*238.75*	
33 14 13 13-1136	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	379.86	52.26
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*93.24*	
		For Cement Mortar Lining (CML), Add	*30.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.56*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-18.99*	
		For Class 51, Add	*41.98*	
		For Class 52, Add	*90.73*	
		For Class 53, Add	*164.14*	
		For Class 54, Add	*234.46*	
		For Class 55, Add	*269.16*	
		For Class 56, Add	*303.23*	
33 14 13 13-1137	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	458.50	55.07
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*116.23*	
		For Cement Mortar Lining (CML), Add	*37.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.12*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-22.93*	
		For Class 51, Add	*52.15*	
		For Class 52, Add	*112.73*	
		For Class 53, Add	*204.06*	
		For Class 54, Add	*291.53*	
		For Class 55, Add	*334.61*	
		For Class 56, Add	*376.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1138	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	583.15	58.00
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*153.53*	
		For Cement Mortar Lining (CML), Add	*49.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-29.16*	
		For Class 51, Add	*68.60*	
		For Class 52, Add	*148.35*	
		For Class 53, Add	*268.71*	
		For Class 54, Add	*383.97*	
		For Class 55, Add	*440.59*	
		For Class 56, Add	*496.17*	
33 14 13 13-1139		Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1122)*		
33 14 13 13-1140	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	297.80	39.71
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	
33 14 13 13-1141	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	431.33	58.57
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1142	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	580.57	69.54
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1143	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	877.77	77.11
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	
33 14 13 13-1144	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,137.28	90.46
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1145	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,293.98	101.48
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1146	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,592.62	116.02
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	
33 14 13 13-1147	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,048.68	162.41
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1148	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,545.43	204.72
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1149	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,675.50	255.93
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	

33 14 13 13-1150 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1122)*

33 14 13 13-1151	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	243.76	39.71
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	
33 14 13 13-1152	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	358.67	58.57
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1153	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	502.40	69.54
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1154	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	769.84	77.11
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	
33 14 13 13-1155	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	999.76	90.46
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1156	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,435.26	101.48
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1157	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,142.97	116.02
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	
33 14 13 13-1158	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,449.07	162.41
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1159	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,450.24	204.72
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	
33 14 13 13-1160	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,280.60	255.93
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	

33 14 13 13-1161 Push-On Joint Ductile Iron Tee *(33 14 13 13-1122)*

33 14 13 13-1162	EA	4" Tee, Push-On Joint Ductile Iron	456.21	58.57
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	
33 14 13 13-1163	EA	6" Tee, Push-On Joint Ductile Iron	633.23	86.08
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	
33 14 13 13-1164	EA	8" Tee, Push-On Joint Ductile Iron	870.96	104.32
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1165	EA	10" Tee, Push-On Joint Ductile Iron	1,297.34	117.18
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	
33 14 13 13-1166	EA	12" Tee, Push-On Joint Ductile Iron	1,619.46	135.11
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1167	EA	14" Tee, Push-On Joint Ductile Iron	2,631.92	162.41
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1168	EA	16" Tee, Push-On Joint Ductile Iron	3,817.79	203.08
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	
33 14 13 13-1169	EA	18" Tee, Push-On Joint Ductile Iron	4,791.83	270.93
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1170	EA	20" Tee, Push-On Joint Ductile Iron	5,641.95	330.58
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1171	EA	24" Tee, Push-On Joint Ductile Iron	7,398.03	413.19
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	

33 14 13 13-1172 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1122)*

33 14 13 13-1173	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	448.69	137.74
		For Cement Mortar Lining (CML), Add	*24.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1174	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	549.28	170.55
		For Cement Mortar Lining (CML), Add	*29.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1175	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	719.61	198.91
		For Cement Mortar Lining (CML), Add	*41.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1176	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	984.89	290.03
		For Cement Mortar Lining (CML), Add	*54.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1177	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,193.12	331.52
		For Cement Mortar Lining (CML), Add	*69.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1178	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,377.21	356.95
		For Cement Mortar Lining (CML), Add	*83.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1179	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,640.46	386.71
		For Cement Mortar Lining (CML), Add	*105.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1180	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,939.45	464.05
		For Cement Mortar Lining (CML), Add	*123.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*222.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1181	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,253.94	515.61
		For Cement Mortar Lining (CML), Add	*147.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.45*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1182	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,828.67	594.95
		For Cement Mortar Lining (CML), Add	*192.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1183	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,540.59	713.89
		For Cement Mortar Lining (CML), Add	*345.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*622.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1184	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,287.36	892.36
		For Cement Mortar Lining (CML), Add	*493.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*888.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1185	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	7,952.95	1,031.22
		For Cement Mortar Lining (CML), Add	*639.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,150.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*479.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1186	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,149.90	1,325.82
		For Cement Mortar Lining (CML), Add	*814.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,465.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*610.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1187	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,335.51	1,547.18
		For Cement Mortar Lining (CML), Add	*999.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,798.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*749.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1188 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1122)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1189	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	58.56	21.44
33 14 13 13-1190	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	76.27	27.98
33 14 13 13-1191	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	99.30	28.67
33 14 13 13-1192	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.25	30.45
33 14 13 13-1193	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	141.21	33.83
33 14 13 13-1194	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	179.35	38.06
33 14 13 13-1195	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	211.92	43.50
33 14 13 13-1196	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	239.30	47.13
33 14 13 13-1197	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	278.68	56.55
33 14 13 13-1198	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	337.12	58.73
33 14 13 13-1199	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	434.92	65.26
33 14 13 13-1200	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	571.23	70.69
33 14 13 13-1201	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	707.90	77.34
33 14 13 13-1202	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	836.35	87.01
33 14 13 13-1203	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,162.46	94.35

33 14 13 13-1204 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1122)*

33 14 13 13-1205	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	252.06	79.10
33 14 13 13-1206	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	332.53	96.56
33 14 13 13-1207	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	428.09	117.77
33 14 13 13-1208	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	644.87	143.67
33 14 13 13-1209	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	799.85	175.19
33 14 13 13-1210	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,378.25	213.74
33 14 13 13-1211	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,573.59	260.85
33 14 13 13-1212	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,786.53	318.15
33 14 13 13-1213	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,428.20	388.23
33 14 13 13-1214	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,096.87	473.54
33 14 13 13-1215	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,343.39	577.84
33 14 13 13-1216	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,580.71	704.86
33 14 13 13-1217	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,767.45	860.01
33 14 13 13-1218	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,810.37	1,049.15

33 14 13 13-1219 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1220		**Ductile Iron Pipe Repair** *(33 14 13 13-1219)*		
		Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1221	EA	30" Diameter Mechanical Ductile Iron Push Joint	4,417.56	
33 14 13 13-1222	EA	36" Diameter Mechanical Ductile Iron Push Joint	5,647.59	
33 14 13 13-1223	EA	42" Diameter Mechanical Ductile Iron Push Joint	7,259.81	
33 14 13 13-1224	EA	48" Diameter Mechanical Ductile Iron Push Joint	9,144.97	
33 14 13 13-1225	EA	54" Diameter Mechanical Ductile Iron Push Joint	13,370.64	
33 14 13 13-1226		**WEKO Seals** *(33 14 13 13-1219)*		
		Note: Internal joint seal.		
33 14 13 13-1227	EA	16" WEKO Internal Joint Seal	2,635.75	222.95
		For Extra Wide Seals, Add	*86.89*	
33 14 13 13-1228	EA	18" WEKO Internal Joint Seal	2,809.03	235.43
		For Extra Wide Seals, Add	*87.84*	
33 14 13 13-1229	EA	20" WEKO Internal Joint Seal	2,982.11	247.89
		For Extra Wide Seals, Add	*88.78*	
33 14 13 13-1230	EA	24" WEKO Internal Joint Seal	3,156.97	267.72
		For Extra Wide Seals, Add	*90.28*	
33 14 13 13-1231	EA	30" WEKO Internal Joint Seal	3,253.55	287.56
		For Extra Wide Seals, Add	*91.79*	
33 14 13 13-1232	EA	36" WEKO Internal Joint Seal	3,408.50	312.35
		For Extra Wide Seals, Add	*93.66*	
33 14 13 13-1233	EA	42" WEKO Internal Joint Seal	3,629.70	342.10
		For Extra Wide Seals, Add	*95.92*	
33 14 13 13-1234	EA	48" WEKO Internal Joint Seal	3,921.63	366.89
		For Extra Wide Seals, Add	*97.79*	
33 14 13 13-1235	EA	54" WEKO Internal Joint Seal	4,065.19	386.72
		For Extra Wide Seals, Add	*99.30*	
33 14 13 13-1236	EA	60" WEKO Internal Joint Seal	4,231.59	416.47
		For Extra Wide Seals, Add	*101.55*	
33 14 13 23		**Plastic Public Water Utility Distribution Piping** *(33 14 13)*		
		Note: Includes detectable tracer wire.		
33 14 13 23-0001		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002		**AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.37	3.97
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	16.61	4.81
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	22.89	5.40
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	30.23	6.00
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	39.25	6.73
33 14 13 23-0008		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.60	3.97
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	19.17	4.81
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	27.19	5.40
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	36.92	6.00
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	48.59	6.73
33 14 13 23-0014		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0015	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.81	3.97
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	21.71	4.81
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	31.49	5.40
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	43.46	6.00
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	57.93	6.73
33 14 13 23-0020		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0021	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	61.64	10.09
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	75.20	12.01
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	101.09	14.42
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	146.58	16.82
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	202.84	19.22
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	257.54	20.42
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	326.70	21.98
33 14 13 23-0028		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	45.50	7.57
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	57.21	8.40
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	70.99	10.09
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	87.34	12.01
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	119.81	14.42
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	173.43	16.82
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	238.79	19.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	317.33	20.42
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	404.28	21.98
33 14 13 23-0038		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	52.69	7.57
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	67.20	8.40
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	83.39	10.09
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	103.43	12.01
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	142.91	14.42
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	208.14	16.82
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	289.46	19.22
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	377.36	20.42
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	482.61	21.98
33 14 13 23-0048		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0049	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	64.99	7.57
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	81.80	8.40
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	102.19	10.09
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	126.14	12.01
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	175.66	14.42
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	259.53	16.82
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	368.47	19.22
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	493.22	20.42
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	638.09	21.98
33 14 13 23-0058		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0059	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	74.23	7.57
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	93.82	8.40
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	117.36	10.09
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	145.02	12.01
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	202.82	14.42
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	301.32	16.82
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	429.52	19.22
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	576.90	20.42
33 14 13 23-0067		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0068	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	83.23	7.57
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	105.52	8.40
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	132.09	10.09
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	163.40	12.01
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	229.25	14.42
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	341.98	16.82
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	488.93	19.22
33 14 13 23-0075		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)*		
		Note: Includes rubber gaskets.		
33 14 13 23-0076		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0077	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	217.76	13.81
		For DR 25, Deduct	*-11.41*	
33 14 13 23-0078	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	446.11	15.54
		For DR 25, Deduct	*-24.90*	
33 14 13 23-0079	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	670.23	17.26
		For DR 25, Deduct	*-38.14*	
33 14 13 23-0080	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,024.30	27.83
		For DR 25, Deduct	*-58.12*	
33 14 13 23-0081	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,333.06	46.37
		For DR 25, Deduct	*-74.42*	
33 14 13 23-0082	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,001.89	57.96
		For DR 25, Deduct	*-113.16*	
33 14 13 23-0083	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,389.01	69.56
		For DR 25, Deduct	*-134.99*	
33 14 13 23-0084	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,099.33	92.74
		For DR 25, Deduct	*-234.83*	
33 14 13 23-0085	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	5,046.42	115.93
		For DR 25, Deduct	*-288.87*	
33 14 13 23-0086	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	8,376.82	156.51
		For DR 25, Deduct	*-483.83*	
33 14 13 23-0087		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0088	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	192.93	13.81
		For DR 25, Deduct	*-9.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0089	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	333.52	15.54
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0090	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	422.70	17.26
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0091	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	598.60	27.83
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0092	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	800.37	46.37
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0093	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,538.53	57.96
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0094	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,950.04	69.56
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0095	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	3,365.40	92.74
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0096	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	4,179.98	115.93
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0097	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	5,898.73	156.51
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0098 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbows *(33 14 13 23-0075)*

33 14 13 23-0099	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	189.91	13.81
		For DR 25, Deduct	*-9.74*	
33 14 13 23-0100	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	333.53	15.54
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0101	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	422.71	17.26
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0102	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	598.61	27.83
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0103	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	800.37	46.37
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0104	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,533.87	55.64
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0105	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,950.02	69.56
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0106	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	3,365.40	92.74
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0107	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	4,179.98	115.93
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0108	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	5,898.73	156.51
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0109 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbows *(33 14 13 23-0075)*

33 14 13 23-0110	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	167.68	13.81
		For DR 25, Deduct	*-8.40*	
33 14 13 23-0111	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	333.53	15.54
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0112	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	422.71	17.26
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0113	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	598.61	27.83
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0114	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	800.37	46.37
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0115	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,533.87	55.64
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0116	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,950.02	69.56
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0117	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	3,365.40	92.74
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0118	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	4,179.98	115.93
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0119	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	5,898.73	156.51
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0120 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tees Or Wyes *(33 14 13 23-0075)*

33 14 13 23-0121	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	258.82	15.54
		For DR 25, Deduct	*-13.67*	
33 14 13 23-0122	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	500.12	17.26
		For DR 25, Deduct	*-27.94*	
33 14 13 23-0123	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	697.98	19.57
		For DR 25, Deduct	*-39.53*	
33 14 13 23-0124	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,440.24	34.78
		For DR 25, Deduct	*-82.24*	
33 14 13 23-0125	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,758.14	69.56
		For DR 25, Deduct	*-97.14*	
33 14 13 23-0126	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,174.91	86.95
		For DR 25, Deduct	*-180.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0127	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,932.42	104.34
		For DR 25, Deduct	*-223.42*	
33 14 13 23-0128	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	4,961.85	139.13
		For DR 25, Deduct	*-281.02*	
33 14 13 23-0129	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	5,958.63	173.90
		For DR 25, Deduct	*-336.65*	
33 14 13 23-0130	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	8,173.93	118.25
		For DR 25, Deduct	*-476.25*	

33 14 13 23-0131 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tees Or Wyes *(33 14 13 23-0075)*

33 14 13 23-0132	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	497.88	22.44
		For DR 25, Deduct	*-27.18*	
33 14 13 23-0133	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	677.34	24.17
		For DR 25, Deduct	*-37.74*	
33 14 13 23-0134	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	694.31	25.03
		For DR 25, Deduct	*-38.65*	
33 14 13 23-0135	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	901.93	34.78
		For DR 25, Deduct	*-49.94*	
33 14 13 23-0136	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,221.41	35.65
		For DR 25, Deduct	*-69.01*	
33 14 13 23-0137	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,306.62	36.51
		For DR 25, Deduct	*-74.01*	
33 14 13 23-0138	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,385.38	53.33
		For DR 25, Deduct	*-76.72*	
33 14 13 23-0139	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,590.23	54.20
		For DR 25, Deduct	*-88.91*	
33 14 13 23-0140	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,687.03	55.07
		For DR 25, Deduct	*-94.61*	
33 14 13 23-0141	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye)	1,718.85	60.29
		For DR 25, Deduct	*-95.90*	
33 14 13 23-0142	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,610.14	62.61
		For DR 25, Deduct	*-149.10*	
33 14 13 23-0143	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,715.11	63.48
		For DR 25, Deduct	*-155.29*	
33 14 13 23-0144	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,820.34	64.34
		For DR 25, Deduct	*-161.50*	
33 14 13 23-0145	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,933.68	69.56
		For DR 25, Deduct	*-167.67*	
33 14 13 23-0146	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,055.51	78.84
		For DR 25, Deduct	*-173.87*	
33 14 13 23-0147	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,257.35	76.52
		For DR 25, Deduct	*-186.26*	
33 14 13 23-0148	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,360.55	76.52
		For DR 25, Deduct	*-192.45*	
33 14 13 23-0149	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,465.53	77.38
		For DR 25, Deduct	*-198.65*	
33 14 13 23-0150	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,570.52	78.25
		For DR 25, Deduct	*-204.84*	
33 14 13 23-0151	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,702.71	92.74
		For DR 25, Deduct	*-211.03*	
33 14 13 23-0152	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,815.21	97.38
		For DR 25, Deduct	*-217.23*	
33 14 13 23-0153	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,025.60	99.71
		For DR 25, Deduct	*-229.57*	
33 14 13 23-0154	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,131.30	100.57
		For DR 25, Deduct	*-235.81*	
33 14 13 23-0155	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,236.26	101.44
		For DR 25, Deduct	*-242.00*	
33 14 13 23-0156	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,349.92	106.66
		For DR 25, Deduct	*-248.20*	
33 14 13 23-0157	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,471.67	115.93
		For DR 25, Deduct	*-254.39*	
33 14 13 23-0158	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,583.47	120.57
		For DR 25, Deduct	*-260.54*	
33 14 13 23-0159	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,725.56	127.52
		For DR 25, Deduct	*-268.23*	
33 14 13 23-0160	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,105.67	122.89
		For DR 25, Deduct	*-291.59*	
33 14 13 23-0161	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,283.68	123.76
		For DR 25, Deduct	*-302.17*	
33 14 13 23-0162	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,353.75	124.63
		For DR 25, Deduct	*-306.27*	
33 14 13 23-0163	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,432.62	129.84
		For DR 25, Deduct	*-310.38*	
33 14 13 23-0164	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,519.53	139.13
		For DR 25, Deduct	*-314.48*	
33 14 13 23-0165	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,639.62	143.76
		For DR 25, Deduct	*-321.13*	
33 14 13 23-0166	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,764.40	150.72
		For DR 25, Deduct	*-327.78*	
33 14 13 23-0167	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,861.50	162.31
		For DR 25, Deduct	*-332.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0168	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,011.67	163.47
		For DR 25, Deduct	*-341.08*	
33 14 13 23-0169	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,087.37	164.33
		For DR 25, Deduct	*-345.52*	
33 14 13 23-0170	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,163.05	165.21
		For DR 25, Deduct	*-349.96*	
33 14 13 23-0171	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,474.17	170.42
		For DR 25, Deduct	*-368.00*	
33 14 13 23-0172	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,793.37	179.70
		For DR 25, Deduct	*-386.04*	
33 14 13 23-0173	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,103.34	184.34
		For DR 25, Deduct	*-404.08*	
33 14 13 23-0174	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,417.94	191.29
		For DR 25, Deduct	*-422.12*	
33 14 13 23-0175	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,741.82	202.88
		For DR 25, Deduct	*-440.16*	
33 14 13 23-0176	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	8,065.69	214.47
		For DR 25, Deduct	*-458.20*	

33 14 13 23-0177 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross *(33 14 13 23-0075)*

33 14 13 23-0178	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	358.93	27.62
		For DR 25, Deduct	*-18.22*	
33 14 13 23-0179	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	644.95	31.08
		For DR 25, Deduct	*-34.97*	
33 14 13 23-0180	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	893.03	34.53
		For DR 25, Deduct	*-49.44*	
33 14 13 23-0181	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	1,823.94	55.64
		For DR 25, Deduct	*-102.76*	
33 14 13 23-0182	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	2,163.32	69.56
		For DR 25, Deduct	*-121.45*	
33 14 13 23-0183	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	3,936.98	92.74
		For DR 25, Deduct	*-225.09*	
33 14 13 23-0184	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	4,885.78	115.93
		For DR 25, Deduct	*-279.25*	
33 14 13 23-0185	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	6,226.38	185.50
		For DR 25, Deduct	*-351.32*	
33 14 13 23-0186	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	7,477.39	231.87
		For DR 25, Deduct	*-420.82*	
33 14 13 23-0187	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	10,547.23	313.02
		For DR 25, Deduct	*-595.27*	

33 14 13 23-0188 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross *(33 14 13 23-0075)*

33 14 13 23-0189	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	625.40	29.35
		For DR 25, Deduct	*-34.00*	
33 14 13 23-0190	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	849.39	31.08
		For DR 25, Deduct	*-47.23*	
33 14 13 23-0191	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	871.08	32.80
		For DR 25, Deduct	*-48.33*	
33 14 13 23-0192	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,307.70	41.74
		For DR 25, Deduct	*-73.45*	
33 14 13 23-0193	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,524.78	43.48
		For DR 25, Deduct	*-86.27*	
33 14 13 23-0194	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,675.00	45.21
		For DR 25, Deduct	*-95.07*	
33 14 13 23-0195	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,719.50	60.29
		For DR 25, Deduct	*-95.94*	
33 14 13 23-0196	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,976.25	62.02
		For DR 25, Deduct	*-111.13*	
33 14 13 23-0197	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,098.58	63.77
		For DR 25, Deduct	*-118.26*	
33 14 13 23-0198	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,146.09	74.20
		For DR 25, Deduct	*-119.86*	
33 14 13 23-0199	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,245.28	69.56
		For DR 25, Deduct	*-186.37*	
33 14 13 23-0200	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,377.40	71.30
		For DR 25, Deduct	*-194.09*	
33 14 13 23-0201	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,510.96	73.04
		For DR 25, Deduct	*-201.89*	
33 14 13 23-0202	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,661.35	83.47
		For DR 25, Deduct	*-209.66*	
33 14 13 23-0203	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,827.00	102.03
		For DR 25, Deduct	*-217.38*	
33 14 13 23-0204	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,046.71	83.47
		For DR 25, Deduct	*-232.79*	
33 14 13 23-0205	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,180.59	85.21
		For DR 25, Deduct	*-240.61*	
33 14 13 23-0206	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,313.03	86.95
		For DR 25, Deduct	*-248.35*	
33 14 13 23-0207	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,463.32	97.38
		For DR 25, Deduct	*-256.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0208	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,537.07	115.93
		For DR 25, Deduct	*-258.31*	
33 14 13 23-0209	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,776.35	125.21
		For DR 25, Deduct	*-271.56*	
33 14 13 23-0210	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,996.69	106.66
		For DR 25, Deduct	*-287.00*	
33 14 13 23-0211	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,130.25	108.40
		For DR 25, Deduct	*-294.81*	
33 14 13 23-0212	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,262.91	110.14
		For DR 25, Deduct	*-302.56*	
33 14 13 23-0213	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,411.25	120.57
		For DR 25, Deduct	*-310.21*	
33 14 13 23-0214	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,578.44	139.13
		For DR 25, Deduct	*-318.01*	
33 14 13 23-0215	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,725.55	148.40
		For DR 25, Deduct	*-325.73*	
33 14 13 23-0216	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,913.36	162.31
		For DR 25, Deduct	*-335.33*	
33 14 13 23-0217	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,335.18	129.84
		For DR 25, Deduct	*-364.53*	
33 14 13 23-0218	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,558.61	131.59
		For DR 25, Deduct	*-377.73*	
33 14 13 23-0219	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,648.16	133.32
		For DR 25, Deduct	*-382.89*	
33 14 13 23-0220	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,754.16	143.76
		For DR 25, Deduct	*-388.00*	
33 14 13 23-0221	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,876.41	162.31
		For DR 25, Deduct	*-393.11*	
33 14 13 23-0222	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,032.55	171.58
		For DR 25, Deduct	*-401.36*	
33 14 13 23-0223	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,200.70	185.50
		For DR 25, Deduct	*-409.78*	
33 14 13 23-0224	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,339.24	208.68
		For DR 25, Deduct	*-415.31*	
33 14 13 23-0225	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,405.74	170.42
		For DR 25, Deduct	*-423.89*	
33 14 13 23-0226	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,543.15	172.16
		For DR 25, Deduct	*-431.93*	
33 14 13 23-0227	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,639.43	173.90
		For DR 25, Deduct	*-437.50*	
33 14 13 23-0228	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,035.72	184.34
		For DR 25, Deduct	*-460.02*	
33 14 13 23-0229	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,448.37	202.88
		For DR 25, Deduct	*-482.56*	
33 14 13 23-0230	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,842.40	212.16
		For DR 25, Deduct	*-505.08*	
33 14 13 23-0231	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,247.31	226.07
		For DR 25, Deduct	*-527.71*	
33 14 13 23-0232	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,668.36	249.25
		For DR 25, Deduct	*-550.19*	
33 14 13 23-0233	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	10,091.02	272.45
		For DR 25, Deduct	*-572.77*	

33 14 13 23-0234 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0075)*

33 14 13 23-0235	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	130.02	13.81
		For DR 25, Deduct	*-6.14*	
33 14 13 23-0236	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	242.44	15.54
		For DR 25, Deduct	*-12.68*	
33 14 13 23-0237	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	291.82	17.26
		For DR 25, Deduct	*-15.44*	
33 14 13 23-0238	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	415.56	27.83
		For DR 25, Deduct	*-21.59*	
33 14 13 23-0239	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	660.94	34.78
		For DR 25, Deduct	*-35.48*	
33 14 13 23-0240	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,146.56	46.37
		For DR 25, Deduct	*-63.23*	
33 14 13 23-0241	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,358.26	57.96
		For DR 25, Deduct	*-74.54*	
33 14 13 23-0242	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,251.18	92.74
		For DR 25, Deduct	*-183.94*	
33 14 13 23-0243	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,644.93	115.93
		For DR 25, Deduct	*-204.78*	
33 14 13 23-0244	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	5,132.06	156.51
		For DR 25, Deduct	*-289.14*	

33 14 13 23-0245 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter *(33 14 13 23-0075)*

33 14 13 23-0246	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	161.20	13.81
		For DR 25, Deduct	*-8.01*	
33 14 13 23-0247	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	219.04	15.54
		For DR 25, Deduct	*-11.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0248	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	318.48	17.26
		For DR 25, Deduct	*-17.04*	
33 14 13 23-0249	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	436.34	27.83
		For DR 25, Deduct	*-22.84*	
33 14 13 23-0250	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	699.27	46.37
		For DR 25, Deduct	*-36.39*	
33 14 13 23-0251	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	1,855.43	55.64
		For DR 25, Deduct	*-104.65*	
33 14 13 23-0252	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	2,511.56	69.56
		For DR 25, Deduct	*-142.35*	
33 14 13 23-0253	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,094.67	92.74
		For DR 25, Deduct	*-174.55*	
33 14 13 23-0254	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,697.34	115.93
		For DR 25, Deduct	*-207.93*	
33 14 13 23-0255	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	5,022.70	156.51
		For DR 25, Deduct	*-282.58*	

33 14 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0256)*

33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.61	0.92
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.89	0.99
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.34	1.08
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.87	1.19
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.97	1.34
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.24*	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.37	1.52
		For >1,000, Deduct	*-0.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.39*	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.73	1.68
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.53*	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.93	2.08
		For >1,000, Deduct	*-0.55*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.86*	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	19.11	2.63
		For >1,000, Deduct	*-0.96*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.88*	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	30.50	3.71
		For >1,000, Deduct	*-1.53*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.18*	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	45.41	4.96
		For >1,000, Deduct	*-2.27*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*4.95*	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	63.20	6.68
		For >1,000, Deduct	*-3.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*6.98*	

33 14 13 23-0270 Class 200, SDR 21 Polyvinyl Chloride (PVC), 90 Degree Elbows *(33 14 13 23-0256)*

33 14 13 23-0271	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	27.97	11.05
33 14 13 23-0272	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	35.34	13.81
33 14 13 23-0273	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	44.51	17.26
33 14 13 23-0274	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.04	19.10
33 14 13 23-0275	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	71.57	21.41
33 14 13 23-0276	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	84.58	24.28
33 14 13 23-0277	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	94.22	27.00
33 14 13 23-0278	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	130.32	33.16
33 14 13 23-0279	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	187.07	42.13
33 14 13 23-0280	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	301.54	55.30
33 14 13 23-0281	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	371.44	73.99
33 14 13 23-0282	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	491.19	99.60

33 14 13 23-0283 Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows *(33 14 13 23-0256)*

33 14 13 23-0284	EA	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	28.46	11.05
33 14 13 23-0285	EA	1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	35.69	13.81
33 14 13 23-0286	EA	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	44.72	17.26
33 14 13 23-0287	EA	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	59.62	19.10
33 14 13 23-0288	EA	2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	72.16	21.41
33 14 13 23-0289	EA	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	87.00	24.28
33 14 13 23-0290	EA	3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	93.19	27.00
33 14 13 23-0291	EA	4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	128.11	33.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0292	EA	6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	182.61	42.13
33 14 13 23-0293	EA	8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	293.06	55.30
33 14 13 23-0294	EA	10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	336.28	73.99
33 14 13 23-0295	EA	12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	442.54	99.60
33 14 13 23-0296		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes** *(33 14 13 23-0256)*		
33 14 13 23-0297	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	41.92	16.57
33 14 13 23-0298	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	52.91	20.83
33 14 13 23-0299	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	66.32	26.01
33 14 13 23-0300	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	91.18	28.78
33 14 13 23-0301	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	103.71	32.00
33 14 13 23-0302	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	120.60	36.49
33 14 13 23-0303	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	144.04	40.39
33 14 13 23-0304	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	188.94	49.79
33 14 13 23-0305	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	311.32	63.30
33 14 13 23-0306	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	465.38	82.96
33 14 13 23-0307	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	557.90	119.07
33 14 13 23-0308	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	699.35	160.22
33 14 13 23-0309		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Couplings** *(33 14 13 23-0256)*		
33 14 13 23-0310	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	18.74	7.37
33 14 13 23-0311	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	25.28	9.90
33 14 13 23-0312	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	33.72	13.01
33 14 13 23-0313	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	46.60	14.39
33 14 13 23-0314	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	51.42	16.00
33 14 13 23-0315	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	58.48	18.18
33 14 13 23-0316	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	66.67	20.20
33 14 13 23-0317	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	91.24	24.84
33 14 13 23-0318	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	130.07	31.65
33 14 13 23-0319	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	219.89	41.48
33 14 13 23-0320	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	265.16	59.59
33 14 13 23-0321	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	338.54	80.11
33 14 13 23-0322		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0323		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0322)*		
33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.86	0.92
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.36	0.99
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.31	1.19
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.13	1.34
		For >1,000, Deduct	*-0.26*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.63	1.52
		For >1,000, Deduct	*-0.33*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.43*	
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.90	1.68
		For >1,000, Deduct	*-0.40*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.55*	
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	10.48	2.08
		For >1,000, Deduct	*-0.52*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.80*	
33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	15.84	2.63
		For >1,000, Deduct	*-0.79*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.39*	
33 14 13 23-0332		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0333	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	28.15	11.05
33 14 13 23-0334	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	35.45	13.81
33 14 13 23-0335	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	49.28	19.10
33 14 13 23-0336	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	55.65	21.41
33 14 13 23-0337	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.70	24.28
33 14 13 23-0338	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	74.66	27.00
33 14 13 23-0339	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	97.58	33.16
33 14 13 23-0340	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	152.01	42.13
33 14 13 23-0341		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0342	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	28.10	11.05
33 14 13 23-0343	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	35.40	13.81
33 14 13 23-0344	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	49.30	19.10
33 14 13 23-0345	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	55.48	21.41
33 14 13 23-0346	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	66.25	24.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0347	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	74.12	27.00
33 14 13 23-0348	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	96.49	33.16
33 14 13 23-0349	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	148.56	42.13
33 14 13 23-0350		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0322)*		
33 14 13 23-0351	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	42.11	16.57
33 14 13 23-0352	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	53.05	20.83
33 14 13 23-0353	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	73.72	28.78
33 14 13 23-0354	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	82.89	32.00
33 14 13 23-0355	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	100.31	36.49
33 14 13 23-0356	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	114.17	40.39
33 14 13 23-0357	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	141.96	49.79
33 14 13 23-0358	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	231.32	63.30
33 14 13 23-0359		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0322)*		
33 14 13 23-0360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	18.82	7.37
33 14 13 23-0361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Coupling	25.35	9.90
33 14 13 23-0362	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	36.75	14.39
33 14 13 23-0363	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	41.43	16.00
33 14 13 23-0364	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	48.56	18.18
33 14 13 23-0365	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Coupling	55.18	20.20
33 14 13 23-0366	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	68.35	24.84
33 14 13 23-0367	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Coupling	100.31	31.65
33 14 13 23-0368		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0322)*		
33 14 13 23-0369	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Cross	56.32	22.10
33 14 13 23-0370	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Cross	70.64	27.74
33 14 13 23-0371	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	98.28	38.33
33 14 13 23-0372	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Cross	110.50	42.71
33 14 13 23-0373	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	133.69	48.58
33 14 13 23-0374	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Cross	152.16	53.90
33 14 13 23-0375	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Cross	189.17	66.32
33 14 13 23-0376	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Cross	308.00	84.36
33 14 13 23-0377		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0378		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0377)*		
33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.63	0.99
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.17*	
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.85	1.19
		For >1,000, Deduct	*-0.24*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.28*	
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.04	1.34
		For >1,000, Deduct	*-0.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.41*	
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.81	1.52
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.60*	
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.55	1.68
		For >1,000, Deduct	*-0.48*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.80*	
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	13.01	2.08
		For >1,000, Deduct	*-0.65*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.17*	
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	21.48	2.63
		For >1,000, Deduct	*-1.07*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.23*	
33 14 13 23-0386		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0387	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	36.85	13.81
33 14 13 23-0388	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	49.28	19.10
33 14 13 23-0389	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	57.06	21.41
33 14 13 23-0390	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	69.68	24.28
33 14 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	77.42	27.00
33 14 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	98.24	33.16
33 14 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	148.85	42.13
33 14 13 23-0394		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	42.60	13.81
33 14 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	54.82	19.10
33 14 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	62.38	21.41
33 14 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	79.67	24.28
33 14 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	90.43	27.00
33 14 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	124.39	33.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	147.10	42.13
33 14 13 23-0402		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0377)*		
33 14 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	55.99	20.83
33 14 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	82.66	28.78
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	93.54	32.00
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	105.95	36.49
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	119.57	40.39
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	145.85	49.79
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	231.18	63.30
33 14 13 23-0410		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0377)*		
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.45	9.90
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	40.36	14.39
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	44.83	16.00
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	57.29	18.18
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	63.97	20.20
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	79.04	24.84
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	115.24	31.65
33 14 13 23-0418		**Schedule 80 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0377)*		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	74.55	27.74
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	110.15	38.33
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	124.64	42.71
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	141.18	48.58
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	159.33	53.90
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	194.34	66.32
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	307.82	84.36
33 14 13 23-0426		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0427		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe** *(33 14 13 23-0426)*		
33 14 13 23-0428	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.99	3.54
33 14 13 23-0429	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.94	3.81
33 14 13 23-0430	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	113.35	4.42
33 14 13 23-0431	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	154.38	5.67
33 14 13 23-0432	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	176.68	6.91
33 14 13 23-0433		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0434	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	747.89	51.42
33 14 13 23-0435	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,572.37	86.21
33 14 13 23-0436	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,733.15	94.09
33 14 13 23-0437	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,468.62	101.80
33 14 13 23-0438	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,757.12	109.51
33 14 13 23-0439		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0440	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,048.21	51.42
33 14 13 23-0441	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,269.40	86.21
33 14 13 23-0442	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,714.96	94.09
33 14 13 23-0443	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,349.92	101.80
33 14 13 23-0444	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,791.80	109.51
33 14 13 23-0445		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0426)*		
33 14 13 23-0446	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,449.69	82.27
33 14 13 23-0447	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,137.45	122.95
33 14 13 23-0448	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,825.47	131.12
33 14 13 23-0449	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,872.30	138.83
33 14 13 23-0450	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,688.08	146.53
33 14 13 23-0451		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0426)*		
33 14 13 23-0452	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,424.70	78.14
33 14 13 23-0453	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,553.67	110.95
33 14 13 23-0454	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,772.36	116.79
33 14 13 23-0455	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,009.81	112.41
33 14 13 23-0456	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,231.20	118.33
33 14 13 23-0457	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,545.04	124.55
33 14 13 23-0458	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,943.82	113.08
33 14 13 23-0459	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,326.31	119.03
33 14 13 23-0460	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,813.69	125.29
33 14 13 23-0461	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,376.77	131.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,003.92	113.39
33 14 13 23-0463	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,693.00	119.35
33 14 13 23-0464	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,235.78	125.64
33 14 13 23-0465	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,072.46	132.24
33 14 13 23-0466	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,949.28	139.21
33 14 13 23-0467		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0468	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,464.08	82.27
33 14 13 23-0469	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,469.16	122.95
33 14 13 23-0470	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,338.90	131.12
33 14 13 23-0471	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,815.88	138.83
33 14 13 23-0472	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,497.62	146.53
33 14 13 23-0473		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0474	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,275.09	78.14
33 14 13 23-0475	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,775.41	110.95
33 14 13 23-0476	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,056.03	116.79
33 14 13 23-0477	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,366.92	112.41
33 14 13 23-0478	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,497.50	118.33
33 14 13 23-0479	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,022.07	124.55
33 14 13 23-0480	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,212.29	113.08
33 14 13 23-0481	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,630.12	119.03
33 14 13 23-0482	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,825.99	131.89
33 14 13 23-0483	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,229.85	113.39
33 14 13 23-0484	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,203.03	119.35
33 14 13 23-0485	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,073.94	125.64
33 14 13 23-0486	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,746.54	132.24
33 14 13 23-0487	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,934.99	139.21
33 14 13 23-0488		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	679.13	51.42
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	921.54	86.21
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,275.64	94.09
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,531.49	101.80
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,770.28	109.51
33 14 13 23-0494		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0495	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	923.35	48.84
33 14 13 23-0496	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	679.13	46.40
33 14 13 23-0497	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	942.62	81.90
33 14 13 23-0498	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,822.33	77.80
33 14 13 23-0499	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,698.73	73.91
33 14 13 23-0500	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,334.09	70.21
33 14 13 23-0501	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	841.24	89.38
33 14 13 23-0502	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,444.19	84.91
33 14 13 23-0503	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,059.82	80.66
33 14 13 23-0504	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,781.98	76.62
33 14 13 23-0505	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,633.03	96.70
33 14 13 23-0506	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,226.01	91.86
33 14 13 23-0507	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,643.02	87.27
33 14 13 23-0508	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,487.76	82.91
33 14 13 23-0509	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,306.01	78.77
33 14 13 23-0510	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,022.40	104.04
33 14 13 23-0511		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0512	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	818.43	87.27
33 14 13 23-0513	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,439.02	82.91
33 14 13 23-0514	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,092.21	82.91
33 14 13 23-0515	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,784.74	78.77
33 14 13 23-0516	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,878.06	74.83
33 14 13 23-0517	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,790.48	71.09
33 14 13 23-0518	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,640.18	78.77
33 14 13 23-0519	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,986.49	74.83
33 14 13 23-0520	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,922.50	71.09
33 14 13 23-0521	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,125.38	67.53
33 14 13 23-0522	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,973.33	74.83
33 14 13 23-0523	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,291.01	71.09
33 14 13 23-0524	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,112.69	67.53
33 14 13 23-0525	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,013.50	64.16
33 14 13 23-0526	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,814.71	60.95
33 14 13 23-0527	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,536.54	98.84

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0528		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges** *(33 14 13 23-0426)*		
33 14 13 23-0529	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	900.93	51.42
33 14 13 23-0530	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,074.94	86.21
33 14 13 23-0531	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,025.33	94.09
33 14 13 23-0532	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,398.47	101.80
33 14 13 23-0533	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,203.79	109.51
33 14 13 23-0534	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0535	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0536	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	
33 14 13 23-0537	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0538	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0539	EA	Zinc Coated Flange Hardware Kit	179.88	
33 14 13 23-0540		**AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23)*		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0541		**High-Density Polyethylene (HDPE) Pressure Pipe** *(33 14 13 23-0540)*		
33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	8.09	3.12
		For SDR 19, Add	*0.16*	
		For SDR 17, Add	*0.40*	
		For SDR 15.5, Add	*0.58*	
		For SDR 13.5, Add	*0.90*	
		For SDR 11, Add	*1.46*	
33 14 13 23-0543	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	9.57	3.97
		For SDR 26, Deduct	*-0.30*	
		For SDR 19, Add	*0.15*	
		For SDR 17, Add	*0.36*	
		For SDR 15.5, Add	*0.53*	
		For SDR 13.5, Add	*0.83*	
		For SDR 11, Add	*1.34*	
33 14 13 23-0544	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	13.15	4.81
		For SDR 26, Deduct	*-0.65*	
		For SDR 19, Add	*0.32*	
		For SDR 17, Add	*0.79*	
		For SDR 15.5, Add	*1.15*	
		For SDR 13.5, Add	*1.80*	
		For SDR 11, Add	*2.89*	
33 14 13 23-0545	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	16.82	5.40
		For SDR 26, Deduct	*-1.10*	
		For SDR 19, Add	*0.54*	
		For SDR 17, Add	*1.34*	
		For SDR 15.5, Add	*1.96*	
		For SDR 13.5, Add	*3.05*	
		For SDR 11, Add	*4.91*	
33 14 13 23-0546	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	21.36	6.00
		For SDR 26, Deduct	*-1.71*	
		For SDR 19, Add	*0.84*	
		For SDR 17, Add	*2.08*	
		For SDR 15.5, Add	*3.04*	
		For SDR 13.5, Add	*4.75*	
		For SDR 11, Add	*7.64*	
33 14 13 23-0547	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	26.81	6.73
		For SDR 26, Deduct	*-2.47*	
		For SDR 19, Add	*1.21*	
		For SDR 17, Add	*3.00*	
		For SDR 15.5, Add	*4.39*	
		For SDR 13.5, Add	*6.85*	
		For SDR 11, Add	*11.02*	
33 14 13 23-0548	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	30.85	7.57
		For SDR 26, Deduct	*-2.90*	
		For SDR 19, Add	*1.43*	
		For SDR 17, Add	*3.52*	
		For SDR 15.5, Add	*5.15*	
		For SDR 13.5, Add	*8.05*	
		For SDR 11, Add	*12.95*	
33 14 13 23-0549	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	37.52	8.40
		For SDR 26, Deduct	*-3.79*	
		For SDR 19, Add	*1.86*	
		For SDR 17, Add	*4.60*	
		For SDR 15.5, Add	*6.74*	
		For SDR 13.5, Add	*10.51*	
		For SDR 11, Add	*16.92*	
33 14 13 23-0550	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	46.40	10.09
		For SDR 26, Deduct	*-4.80*	
		For SDR 19, Add	*2.35*	
		For SDR 17, Add	*5.81*	
		For SDR 15.5, Add	*8.51*	
		For SDR 13.5, Add	*13.29*	
		For SDR 11, Add	*21.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	81.43	12.01
		For SDR 26, Deduct	*-10.52*	
		For SDR 19, Add	*5.17*	
		For SDR 17, Add	*12.75*	
		For SDR 15.5, Add	*18.68*	
		For SDR 13.5, Add	*29.15*	
		For SDR 11, Add	*46.92*	
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	75.38	14.42
		For SDR 26, Deduct	*-8.53*	
		For SDR 19, Add	*4.19*	
		For SDR 17, Add	*10.34*	
		For SDR 15.5, Add	*15.15*	
		For SDR 13.5, Add	*23.64*	
		For SDR 11, Add	*38.05*	
33 14 13 23-0553		**90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23-0540)*		
33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	65.55	17.26
		For SDR 26, Deduct	*-2.52*	
		For SDR 19, Add	*1.24*	
		For SDR 17, Add	*3.06*	
		For SDR 15.5, Add	*4.48*	
		For SDR 13.5, Add	*6.99*	
		For SDR 11, Add	*11.25*	
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	73.94	19.20
		For SDR 26, Deduct	*-3.00*	
		For SDR 19, Add	*1.48*	
		For SDR 17, Add	*3.64*	
		For SDR 15.5, Add	*5.33*	
		For SDR 13.5, Add	*8.32*	
		For SDR 11, Add	*13.40*	
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	109.33	21.93
		For SDR 26, Deduct	*-7.99*	
		For SDR 19, Add	*3.92*	
		For SDR 17, Add	*9.69*	
		For SDR 15.5, Add	*14.19*	
		For SDR 13.5, Add	*22.14*	
		For SDR 11, Add	*35.64*	
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	167.89	25.60
		For SDR 26, Deduct	*-16.70*	
		For SDR 19, Add	*8.20*	
		For SDR 17, Add	*20.25*	
		For SDR 15.5, Add	*29.65*	
		For SDR 13.5, Add	*46.28*	
		For SDR 11, Add	*74.50*	
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	254.43	34.19
		For SDR 26, Deduct	*-27.88*	
		For SDR 19, Add	*13.69*	
		For SDR 17, Add	*33.80*	
		For SDR 15.5, Add	*49.50*	
		For SDR 13.5, Add	*77.26*	
		For SDR 11, Add	*124.35*	
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	376.17	51.17
		For SDR 26, Deduct	*-40.83*	
		For SDR 19, Add	*20.05*	
		For SDR 17, Add	*49.49*	
		For SDR 15.5, Add	*72.48*	
		For SDR 13.5, Add	*113.13*	
		For SDR 11, Add	*182.09*	
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	470.27	68.28
		For SDR 26, Deduct	*-48.67*	
		For SDR 19, Add	*23.90*	
		For SDR 17, Add	*59.00*	
		For SDR 15.5, Add	*86.40*	
		For SDR 13.5, Add	*134.86*	
		For SDR 11, Add	*217.07*	
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	624.83	102.32
		For SDR 26, Deduct	*-58.29*	
		For SDR 19, Add	*28.62*	
		For SDR 17, Add	*70.66*	
		For SDR 15.5, Add	*103.47*	
		For SDR 13.5, Add	*161.50*	
		For SDR 11, Add	*259.95*	
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	778.04	115.10
		For SDR 26, Deduct	*-79.32*	
		For SDR 19, Add	*38.94*	
		For SDR 17, Add	*96.15*	
		For SDR 15.5, Add	*140.80*	
		For SDR 13.5, Add	*219.77*	
		For SDR 11, Add	*353.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,046.65	130.65
		For SDR 26, Deduct	*-119.28*	
		For SDR 19, Add	*58.56*	
		For SDR 17, Add	*144.59*	
		For SDR 15.5, Add	*211.74*	
		For SDR 13.5, Add	*330.50*	
		For SDR 11, Add	*531.96*	
33 14 13 23-0564	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,329.13	153.55
		For SDR 26, Deduct	*-159.23*	
		For SDR 19, Add	*78.18*	
		For SDR 17, Add	*193.03*	
		For SDR 15.5, Add	*282.68*	
		For SDR 13.5, Add	*441.22*	
		For SDR 11, Add	*710.17*	
33 14 13 23-0565		**Tees, High-Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23-0540)*		
33 14 13 23-0566	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	72.09	18.07
		For SDR 26, Deduct	*-3.30*	
		For SDR 19, Add	*1.62*	
		For SDR 17, Add	*4.00*	
		For SDR 15.5, Add	*5.85*	
		For SDR 13.5, Add	*9.14*	
		For SDR 11, Add	*14.71*	
33 14 13 23-0567	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	82.54	20.47
		For SDR 26, Deduct	*-3.88*	
		For SDR 19, Add	*1.91*	
		For SDR 17, Add	*4.71*	
		For SDR 15.5, Add	*6.89*	
		For SDR 13.5, Add	*10.76*	
		For SDR 11, Add	*17.31*	
33 14 13 23-0568	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	126.16	23.62
		For SDR 26, Deduct	*-10.15*	
		For SDR 19, Add	*4.98*	
		For SDR 17, Add	*12.30*	
		For SDR 15.5, Add	*18.01*	
		For SDR 13.5, Add	*28.12*	
		For SDR 11, Add	*45.26*	
33 14 13 23-0569	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	224.12	27.92
		For SDR 26, Deduct	*-25.74*	
		For SDR 19, Add	*12.64*	
		For SDR 17, Add	*31.21*	
		For SDR 15.5, Add	*45.70*	
		For SDR 13.5, Add	*71.33*	
		For SDR 11, Add	*114.81*	
33 14 13 23-0570	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	307.82	40.98
		For SDR 26, Deduct	*-33.91*	
		For SDR 19, Add	*16.65*	
		For SDR 17, Add	*41.11*	
		For SDR 15.5, Add	*60.21*	
		For SDR 13.5, Add	*93.97*	
		For SDR 11, Add	*151.25*	
33 14 13 23-0571	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	436.84	61.47
		For SDR 26, Deduct	*-46.31*	
		For SDR 19, Add	*22.74*	
		For SDR 17, Add	*56.14*	
		For SDR 15.5, Add	*82.21*	
		For SDR 13.5, Add	*128.32*	
		For SDR 11, Add	*206.53*	
33 14 13 23-0572	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	527.43	76.78
		For SDR 26, Deduct	*-54.48*	
		For SDR 19, Add	*26.75*	
		For SDR 17, Add	*66.04*	
		For SDR 15.5, Add	*96.72*	
		For SDR 13.5, Add	*150.96*	
		For SDR 11, Add	*242.98*	
33 14 13 23-0573	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	698.42	115.10
		For SDR 26, Deduct	*-64.70*	
		For SDR 19, Add	*31.77*	
		For SDR 17, Add	*78.43*	
		For SDR 15.5, Add	*114.85*	
		For SDR 13.5, Add	*179.26*	
		For SDR 11, Add	*288.54*	
33 14 13 23-0574	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	892.63	134.10
		For SDR 26, Deduct	*-89.89*	
		For SDR 19, Add	*44.14*	
		For SDR 17, Add	*108.97*	
		For SDR 15.5, Add	*159.58*	
		For SDR 13.5, Add	*249.08*	
		For SDR 11, Add	*400.91*	
33 14 13 23-0575	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,236.54	158.39
		For SDR 26, Deduct	*-138.58*	
		For SDR 19, Add	*68.04*	
		For SDR 17, Add	*167.99*	
		For SDR 15.5, Add	*246.02*	
		For SDR 13.5, Add	*384.00*	
		For SDR 11, Add	*618.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0576	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,597.22	191.99
		For SDR 26, Deduct	*-187.28*	
		For SDR 19, Add	*91.95*	
		For SDR 17, Add	*227.02*	
		For SDR 15.5, Add	*332.46*	
		For SDR 13.5, Add	*518.92*	
		For SDR 11, Add	*835.23*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0051 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	103.72	30.58
		For <100, Add	*12.14*	
		For >1,000, Deduct	*-5.19*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	121.99	30.58
		For <100, Add	*13.05*	
		For >1,000, Deduct	*-6.10*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	122.40	33.35
		For <100, Add	*13.70*	
		For >1,000, Deduct	*-6.12*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	145.50	33.35
		For <100, Add	*14.86*	
		For >1,000, Deduct	*-7.28*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	146.36	34.95
		For <100, Add	*15.26*	
		For >1,000, Deduct	*-7.32*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	164.33	34.95
		For <100, Add	*16.16*	
		For >1,000, Deduct	*-8.22*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	176.08	38.63
		For <100, Add	*17.58*	
		For >1,000, Deduct	*-8.80*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	190.44	38.63
		For <100, Add	*18.30*	
		For >1,000, Deduct	*-9.52*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	186.81	40.77
		For <100, Add	*18.61*	
		For >1,000, Deduct	*-9.34*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	197.90	40.77
		For <100, Add	*19.16*	
		For >1,000, Deduct	*-9.90*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	229.95	45.87
		For <100, Add	*21.92*	
		For >1,000, Deduct	*-11.50*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	248.12	45.87
		For <100, Add	*22.83*	
		For >1,000, Deduct	*-12.41*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	199.71	60.10
		For <100, Add	*19.43*	
		For >1,000, Deduct	*-9.99*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	235.89	66.11
		For <100, Add	*22.23*	
		For >1,000, Deduct	*-11.79*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	261.22	69.11
		For <100, Add	*24.08*	
		For >1,000, Deduct	*-13.06*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	294.62	78.13
		For <100, Add	*27.13*	
		For >1,000, Deduct	*-14.73*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	306.94	78.13
		For <100, Add	*27.74*	
		For >1,000, Deduct	*-15.35*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	318.34	78.13
		For <100, Add	*28.31*	
		For >1,000, Deduct	*-15.92*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	331.48	78.13
		For <100, Add	*28.97*	
		For >1,000, Deduct	*-16.57*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	383.94	90.15
		For <100, Add	*33.36*	
		For >1,000, Deduct	*-19.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	424.60	90.15
		For <100, Add	*35.40*	
		For >1,000, Deduct	*-21.23*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	524.38	90.15
		For <100, Add	*40.39*	
		For >1,000, Deduct	*-26.22*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	475.64	105.17
		For <100, Add	*40.31*	
		For >1,000, Deduct	*-23.78*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	492.27	105.17
		For <100, Add	*41.14*	
		For >1,000, Deduct	*-24.61*	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	649.14	105.17
		For <100, Add	*48.98*	
		For >1,000, Deduct	*-32.46*	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	561.88	105.17
		For <100, Add	*44.62*	
		For >1,000, Deduct	*-28.09*	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	659.48	126.20
		For <100, Add	*52.81*	
		For >1,000, Deduct	*-32.97*	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	781.13	126.20
		For <100, Add	*58.89*	
		For >1,000, Deduct	*-39.06*	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	750.74	126.20
		For <100, Add	*57.37*	
		For >1,000, Deduct	*-37.54*	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,137.57	141.23
		For <100, Add	*78.91*	
		For >1,000, Deduct	*-56.88*	
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	703.73	141.23
		For <100, Add	*57.22*	
		For >1,000, Deduct	*-35.19*	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,303.78	159.26
		For <100, Add	*89.98*	
		For >1,000, Deduct	*-65.19*	
33 14 13 36-0037	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	773.02	159.26
		For <100, Add	*63.44*	
		For >1,000, Deduct	*-38.65*	
33 14 13 36-0038	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,369.48	180.29
		For <100, Add	*96.81*	
		For >1,000, Deduct	*-68.47*	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,508.07	180.29
		For <100, Add	*103.74*	
		For >1,000, Deduct	*-75.40*	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,688.40	210.33
		For <100, Add	*117.47*	
		For >1,000, Deduct	*-84.42*	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,195.63	210.33
		For <100, Add	*92.83*	
		For >1,000, Deduct	*-59.78*	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,345.47	171.75
		For <100, Add	*118.80*	
		For >1,000, Deduct	*-67.27*	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,458.31	171.75
		For <100, Add	*174.44*	
		For >1,000, Deduct	*-122.92*	

33 14 13 36-0044 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0045	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	165.26	31.78
		For 7" Length, Add	*10.41*	
33 14 13 36-0046	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	230.98	61.12
		For 7" Length, Add	*10.87*	
33 14 13 36-0047	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	307.25	80.69
		For 7" Length, Add	*14.43*	
33 14 13 36-0048	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	495.95	122.25
		For 7" Length, Add	*25.15*	
33 14 13 36-0049	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	654.78	154.03
		For 7" Length, Add	*34.92*	
33 14 13 36-0050	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	895.52	175.78
		For 7" Length, Add	*54.40*	
33 14 13 36-0051	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,053.54	220.31
		For 7" Length, Add	*61.41*	
33 14 13 36-0052	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,136.13	220.31
		For 10" Length, Add	*40.04*	
33 14 13 36-0053	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,197.48	251.95
		For 10" Length, Add	*41.72*	
33 14 13 36-0054	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,317.01	269.53
		For 10" Length, Add	*46.68*	
33 14 13 36-0055	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,437.38	304.68
		For 10" Length, Add	*51.09*	
33 14 13 36-0056	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,854.33	322.26
		For 10" Length, Add	*72.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0057	EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,252.89	351.56
		For 10" Length, Add	*92.99*	
33 14 13 36-0058	EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,656.26	395.49
		For 10" Length, Add	*111.92*	
33 14 13 36-0059	EA	42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,081.05	445.30
		For 10" Length, Add	*132.13*	
33 14 13 36-0060	EA	48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,582.81	512.69
		For 10" Length, Add	*153.45*	
33 14 13 36-0061	EA	54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,959.01	585.92
		For 10" Length, Add	*167.23*	
33 14 13 36-0062	EA	60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,509.24	732.40
		For 10" Length, Add	*182.67*	
33 14 13 36-0063	EA	66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	5,166.68	890.60
		For 12" Length, Add	*170.45*	
33 14 13 36-0064	EA	72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	6,152.24	1,054.66
		For 12" Length, Add	*202.15*	

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	8.95	2.24
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	11.49	2.52
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	15.28	2.80
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	19.26	3.36
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	23.85	4.48
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	35.24	5.60
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	44.24	6.73
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	55.92	7.40
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	75.01	9.30
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	99.28	11.76
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	161.85	14.68
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	209.62	17.70
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	365.81	19.82

33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	9.59	2.24
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	13.76	2.52
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	17.54	2.80
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	20.65	3.36
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	25.92	4.48
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	38.02	5.60
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	51.96	6.73
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	67.48	7.40
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	88.61	9.30
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	119.91	11.76
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	204.54	14.68
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	286.38	17.70
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	507.48	19.82

33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15405

33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	38.89
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	53.94
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	119.04
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	151.50

33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15450

33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	42.27
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	39.02
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	52.80
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	75.68
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	96.01
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	147.47

33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15425

33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	37.59
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	39.11
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	51.79
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	75.68
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	99.66
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	151.99

33 14 13 39-0048 Brass Fittings *(33 14 13 39)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0049		**Brass Compression Reducer Coupling** *(33 14 13 39-0048)*		
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	54.62	17.93
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	43.59	17.93
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	90.61	27.22
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	112.31	34.52
33 14 13 39-0054		**Copper Compression x Male NPT Brass Coupling** *(33 14 13 39-0048)*		
		Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	56.98	19.92
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	65.21	23.24
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	66.81	23.24
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	65.48	23.24
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	88.67	26.56
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	86.26	26.56
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	117.31	33.19
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	153.89	39.83
33 14 13 39-0063		**Brass Nipples** *(33 14 13 39-0048)*		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	38.60	8.30
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	49.99	8.96
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	75.62	9.63
33 14 13 39-0067		**Brass "H" Style Meter Insetters** *(33 14 13 39-0048)*		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	291.41	36.67
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	187.61	36.67
33 14 13 39-0070		**Meter Setters - Resetter, Brass** *(33 14 13 39-0048)*		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter	768.62	36.67
		Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		
33 14 13 43		**Public Water Utility Distribution Piping Coatings and Wraps** *(33 14 13)*		
33 14 13 43-0001		**Pipe Coatings** *(33 14 13 43)*		
33 14 13 43-0002		**Epoxy Wrap And Pipe Coating** *(33 14 13 43-0001)*		
		Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.29	
33 14 13 43-0004	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.91	
33 14 13 43-0005	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.62	
33 14 13 43-0006	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.13	
33 14 13 43-0007	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.00	
33 14 13 43-0008	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.36	
33 14 13 43-0009	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.92	
33 14 13 43-0010	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	9.23	
33 14 13 43-0011	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	12.12	
33 14 13 43-0012	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	19.15	
33 14 13 43-0013	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	41.27	
33 14 13 43-0014	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	47.17	
33 14 13 43-0015	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	53.06	
33 14 13 43-0016	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	58.96	
33 14 13 43-0017	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	64.86	
33 14 13 43-0018	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	70.72	
33 14 13 43-0019	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	76.65	
33 14 13 43-0020		**Cement Coating With Fiberglass Or Wire Mesh Reinforcing** *(33 14 13 43-0001)*		
		Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh	9.37	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh	11.53	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh	14.41	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh	16.05	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh	18.13	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh	21.21	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh	24.10	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0028	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh	27.19	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0029	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh	30.22	
		Note: Reinforcing applied at fabrication shop.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0030	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	36.25	
33 14 13 43-0031	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	45.31	
33 14 13 43-0032	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	54.38	
33 14 13 43-0033	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	63.44	
33 14 13 43-0034	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	72.50	
33 14 13 43-0035	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	81.57	
33 14 13 43-0036	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	90.63	
33 14 13 43-0037	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	99.69	
33 14 13 43-0038	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	108.75	
33 14 13 43-0039	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	117.82	

33 14 13 43-0040 Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)*

Note: Applied at fabrication shop.

33 14 13 43-0041	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	10.85	
		For 1/2" Thick, Add	*0.49*	
33 14 13 43-0042	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	13.77	
		For 1/2" Thick, Add	*0.66*	
33 14 13 43-0043	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	19.99	
		For 1/2" Thick, Add	*0.85*	
33 14 13 43-0044	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	33.52	
		For 1/2" Thick, Add	*1.25*	
33 14 13 43-0045	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	51.17	
		For 1/2" Thick, Add	*1.85*	
33 14 13 43-0046	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	80.16	
		For 1/2" Thick, Add	*2.82*	
33 14 13 43-0047	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	123.03	
		For 1/2" Thick, Add	*3.64*	
33 14 13 43-0048	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	166.75	
		For 1/2" Thick, Add	*3.75*	
33 14 13 43-0049	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	227.24	
		For 1/2" Thick, Add	*4.48*	
33 14 13 43-0050	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	330.47	
		For 1/2" Thick, Add	*6.28*	

33 14 13 43-0051 Cement Pipe Lining *(33 14 13 43)*

33 14 13 43-0052 Cement Pipe Lining *(33 14 13 43-0051)*

Note: Shop applied.

33 14 13 43-0053	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	14.63	
		For 1/2" Thick, Add	*1.25*	
33 14 13 43-0054	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	18.16	
		For 1/2" Thick, Add	*1.54*	
33 14 13 43-0055	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	22.19	
		For 1/2" Thick, Add	*1.92*	
33 14 13 43-0056	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	28.78	
		For 1/2" Thick, Add	*2.40*	
33 14 13 43-0057	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	35.41	
		For 1/2" Thick, Add	*2.89*	
33 14 13 43-0058	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	45.21	
		For 1/2" Thick, Add	*3.38*	
33 14 13 43-0059	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	58.51	
		For 1/2" Thick, Add	*3.84*	
33 14 13 43-0060	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	69.89	
		For 1/2" Thick, Add	*3.68*	
33 14 13 43-0061	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	84.36	
		For 1/2" Thick, Add	*4.09*	
33 14 13 43-0062	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	102.26	
		For 1/2" Thick, Add	*4.91*	
33 14 13 43-0063	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	123.12	
		For 1/2" Thick, Add	*6.14*	
33 14 13 43-0064	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	148.16	
		For 1/2" Thick, Add	*7.36*	
33 14 13 43-0065	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	172.88	
		For 1/2" Thick, Add	*6.32*	
33 14 13 43-0066	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	197.51	
		For 1/2" Thick, Add	*7.22*	
33 14 13 43-0067	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	222.23	
		For 1/2" Thick, Add	*8.12*	
33 14 13 43-0068	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	246.97	
		For 1/2" Thick, Add	*9.03*	
33 14 13 43-0069	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	271.59	
		For 1/2" Thick, Add	*5.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0070	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	296.33	
		For 1/2" Thick, Add	*5.78*	
33 14 13 43-0071	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	321.05	
		For 1/2" Thick, Add	*6.26*	

33 14 13 43-0072 Cement Fitting Lining *(33 14 13 43-0051)*

Note: Shop applied.

33 14 13 43-0073	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	15.59	
		For 1/2" Thick, Add	*1.44*	
33 14 13 43-0074	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	20.09	
		For 1/2" Thick, Add	*1.92*	
33 14 13 43-0075	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	28.21	
		For 1/2" Thick, Add	*2.50*	
33 14 13 43-0076	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	46.47	
		For 1/2" Thick, Add	*3.84*	
33 14 13 43-0077	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	70.82	
		For 1/2" Thick, Add	*5.78*	
33 14 13 43-0078	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	104.92	
		For 1/2" Thick, Add	*7.77*	
33 14 13 43-0079	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	154.76	
		For 1/2" Thick, Add	*9.98*	
33 14 13 43-0080	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	209.66	
		For 1/2" Thick, Add	*11.05*	
33 14 13 43-0081	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	281.03	
		For 1/2" Thick, Add	*13.63*	
33 14 13 43-0082	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	409.08	
		For 1/2" Thick, Add	*19.64*	

33 14 13 43-0083 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0084	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.09	
33 14 13 43-0085	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.81	
33 14 13 43-0086	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	2.26	
33 14 13 43-0087	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.87	
33 14 13 43-0088	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	3.98	
33 14 13 43-0089	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	5.14	
33 14 13 43-0090	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	6.54	
33 14 13 43-0091	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	7.79	
33 14 13 43-0092	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	9.29	
33 14 13 43-0093	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	10.34	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	276.01	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	382.09	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	395.31	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	328.37	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	410.57	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	343.52	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	430.17	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	385.61	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	453.21	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	402.45	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	464.56	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.99	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	235.14	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	250.22	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	238.75	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	255.38	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	281.60	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	299.38	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	274.50	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	300.91	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	316.30	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	289.70	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	316.92	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	332.24	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	305.39	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	331.86	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	347.00	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	496.36	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	509.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.94	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	361.65	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	375.79	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	584.91	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	367.53	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	405.30	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	650.70	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	398.69	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	438.56	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	454.50	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	723.66	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	461.69	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	493.22	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	529.92	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	882.67	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	474.91	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	537.54	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	559.86	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	947.28	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	496.11	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	561.00	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	583.88	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	985.57	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	546.85	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	629.48	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	619.63	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	684.69	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	646.86	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	728.04	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	320.05	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	349.11	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	363.41	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	392.74	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	403.35	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	423.89	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	393.16	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	417.71	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	492.37	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	531.36	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	726.69	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	818.17	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	842.69	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	937.97	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	335.12	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	368.13	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	381.21	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	413.07	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	425.35	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	447.07	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	477.03	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	509.86	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	512.53	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	554.12	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	776.65	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	888.82	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	901.97	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	980.99	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,965.23	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,965.23	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,040.50	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,040.50	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,190.10	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,190.10	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,464.18	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,769.53	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,112.51	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,232.48	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,353.81	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,520.61	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,593.73	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,552.10	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,718.24	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,119.11	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,222.92	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,988.63	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,176.01	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,261.77	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,300.22	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,567.55	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,559.99	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,586.43	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,795.50	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,846.90	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,903.21	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,035.12	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,291.29	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,483.64	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,952.22	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,091.77	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,505.40	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,848.00	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,496.89	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,677.32	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,749.47	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,097.86	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,584.33	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,854.90	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,883.97	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,050.17	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,098.98	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,669.93	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,886.77	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,939.65	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,402.39	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,625.11	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,205.84	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,286.33	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,403.59	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,448.88	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,508.60	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,725.40	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,584.10	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,642.31	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,833.18	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,505.34	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,784.86	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,869.05	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,056.94	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,659.33	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,894.27	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,332.46	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,402.56	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,802.84	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,298.53	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,621.72	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,764.50	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,836.77	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,102.61	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,810.48	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,979.69	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,941.35	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,070.26	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,248.38	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,080.91	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,249.93	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,540.90	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,613.04	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,009.63	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,678.54	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,963.81	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,826.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,981.93	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,190.46	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,138.83	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,314.94	
33 14 13 53-0181		**Stainless Steel Flange, Stainless Steel Tapping Sleeve** *(33 14 13 53)*		
33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,386.89	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,515.00	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,602.85	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,640.16	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,740.96	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,037.12	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,880.23	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,991.73	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,257.43	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,023.82	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,148.40	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,299.47	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,649.70	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,105.22	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,454.08	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,452.24	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,637.02	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,031.04	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,487.02	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,729.34	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,982.08	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,233.75	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,426.13	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,916.20	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,249.46	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,292.54	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,667.47	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,868.14	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,299.09	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,868.45	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,561.64	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,935.62	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,099.11	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,898.93	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,345.22	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,209.84	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,265.20	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,460.76	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,414.99	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,925.44	
33 14 13 53-0222		**Ductile Iron Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	351.96	71.34
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	441.15	89.95
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	581.79	124.07
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	749.53	145.78
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,157.85	164.39
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,294.22	186.10
33 14 13 53-0229		**Steel Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	503.82	71.34
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	597.41	89.95
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	798.85	124.07
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	975.44	145.78
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,186.83	164.39
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,381.37	186.10
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,636.29	204.71
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,932.24	223.32
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,276.54	245.65
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,684.25	270.21
33 14 13 53-0240		**Steel Body, Flanged-Lock Restrained Coupling Adapters** *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	451.31	89.95
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	606.86	124.07
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	674.51	145.78
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	970.29	164.39
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,228.83	186.10
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,377.06	204.71
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,613.52	223.32
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,809.26	245.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,166.85	270.21
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,601.72	297.26
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,331.16	326.91
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,170.40	359.67
33 14 13 53-0253		Ductile Iron Body, Omni Coupling System *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	164.34	49.63
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	202.03	58.94
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	249.63	71.34
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	313.59	89.95
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	419.60	124.07
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	508.31	145.78
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	629.71	164.39
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	734.56	186.10
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,015.61	204.71
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,257.31	223.32

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0002 Angle Valves *(33 14 19 00-0001)*

Note: For connecting meters to water service.

33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0002)*

Note: NIBCO T-335Y

33 14 19 00-0004	EA	1/2" Diameter Threaded, Class 150, Bronze Angle Valve	109.56	21.25
33 14 19 00-0005	EA	3/4" Diameter Threaded, Class 150, Bronze Angle Valve	147.76	28.54
33 14 19 00-0006	EA	1" Diameter Threaded, Class 150, Bronze Angle Valve	198.05	35.18
33 14 19 00-0007	EA	1-1/4" Diameter Threaded, Class 150, Bronze Angle Valve	254.81	44.21
33 14 19 00-0008	EA	1-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	317.15	51.12
33 14 19 00-0009	EA	2" Diameter Threaded, Class 150, Bronze Angle Valve	469.19	59.75
33 14 19 00-0010	EA	2-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	747.69	81.54
33 14 19 00-0011	EA	3" Diameter Threaded, Class 150, Bronze Angle Valve	1,127.61	94.13
33 14 19 00-0012		Ball Meter Valves *(33 14 19 00-0001)*		
33 14 19 00-0013	EA	3/4" Ball Meter Valve (Ford B43-342W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	148.87	33.19
33 14 19 00-0014	EA	1" Ball Meter Valve (Ford B43-444W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	161.48	35.18
33 14 19 00-0015	EA	1-1/2" Ball Meter Valve (Ford BF43-666W) Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	307.17	59.75
33 14 19 00-0016	EA	2" Ball Meter Valve (Ford BF43-777W) Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	424.35	60.41
33 14 19 00-0017	EA	3/4" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	151.76	33.19
33 14 19 00-0018	EA	1" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	200.66	35.18
33 14 19 00-0019	EA	1-1/2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	361.50	59.75
33 14 19 00-0020	EA	2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	473.07	60.41
33 14 19 00-0021		Butterfly Valves *(33 14 19 00-0001)*		
33 14 19 00-0022		Lug Type Flanged, Cast Iron Disc, Butterfly Valves *(33 14 19 00-0021)* Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0023	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,159.42	225.71
33 14 19 00-0024	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,413.67	225.71
33 14 19 00-0025	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,438.72	349.27
33 14 19 00-0026	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,690.80	349.27
33 14 19 00-0027	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,796.89	410.66
33 14 19 00-0028	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,048.97	410.66
33 14 19 00-0029	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,163.92	524.73
33 14 19 00-0030	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,414.55	524.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0031	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,966.85	638.80
33 14 19 00-0032	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	3,966.85	638.80
33 14 19 00-0033	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,543.32	774.30
33 14 19 00-0034	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,795.39	774.30
33 14 19 00-0035	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,077.50	1,077.95
33 14 19 00-0036	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,736.67	1,077.95
33 14 19 00-0037	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,077.13	1,185.75
33 14 19 00-0038	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,885.51	1,185.75
33 14 19 00-0039	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	8,867.18	1,315.11
33 14 19 00-0040	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,723.37	1,315.11
33 14 19 00-0041	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,161.13	1,482.18
33 14 19 00-0042	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	11,015.87	1,482.18
33 14 19 00-0043		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0021)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0044	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	16,959.29	1,819.04
33 14 19 00-0045	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,248.81	1,819.04
33 14 19 00-0046	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	16,908.44	1,819.04
33 14 19 00-0047	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	27,783.95	2,887.89
33 14 19 00-0048	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	54,847.29	3,850.52
33 14 19 00-0049	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	64,913.00	5,775.77
33 14 19 00-0050	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	82,343.57	7,219.72
33 14 19 00-0051	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	114,980.54	8,663.66
33 14 19 00-0052	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	144,056.28	10,396.39
33 14 19 00-0053	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	206,587.19	12,475.67
33 14 19 00-0054	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.00	
33 14 19 00-0055	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.00	
33 14 19 00-0056		**Check Valves** *(33 14 19 00-0001)*		
33 14 19 00-0057		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0056)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0058	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,824.97	177.26
33 14 19 00-0059	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,862.80	207.82
33 14 19 00-0060	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,500.62	262.83
33 14 19 00-0061	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,589.73	395.48
33 14 19 00-0062	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,710.54	441.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0063	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,525.60	440.09
33 14 19 00-0064	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,652.30	500.26
33 14 19 00-0065	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,833.81	562.34
33 14 19 00-0066	EA	8" Flanged, Swing Type Gravity Operated Check Valve	5,050.86	562.34
33 14 19 00-0067	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,665.01	684.59
33 14 19 00-0068	EA	12" Flanged, Swing Type Gravity Operated Check Valve	13,251.18	513.44
33 14 19 00-0069	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,637.44	1,077.95
33 14 19 00-0070	EA	16" Flanged, Swing Type Gravity Operated Check Valve	24,915.70	1,185.75
33 14 19 00-0071	EA	18" Flanged, Swing Type Gravity Operated Check Valve	36,351.52	1,315.11
33 14 19 00-0072	EA	20" Flanged, Swing Type Gravity Operated Check Valve	42,347.58	1,482.18
33 14 19 00-0073		**Combination Air Release Valves** *(33 14 19 00-0001)*		
33 14 19 00-0074	EA	1" Combination Air Release Valve	633.90	25.67
33 14 19 00-0075	EA	2" Combination Air Release Valve	1,023.62	44.01
33 14 19 00-0076		**Corporation Stop And Curb Valve** *(33 14 19 00-0001)* Note: AWWA C800		
33 14 19 00-0077		**Ball Corporation Valves** *(33 14 19 00-0076)* Note: Mueller B-25000.		
33 14 19 00-0078	EA	3/4" Ball Corporation Valve (Mueller B-25000)	88.13	25.67
33 14 19 00-0079	EA	1" Ball Corporation Valve (Mueller B-25000)	110.44	31.78
33 14 19 00-0080	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	192.92	46.46
33 14 19 00-0081	EA	2" Ball Corporation Valve (Mueller B-25000)	283.80	55.01
33 14 19 00-0082		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0001)*		
33 14 19 00-0083		**Gate Valve, Flanged** *(33 14 19 00-0082)* Note: Mueller A-2380-6.		
33 14 19 00-0084	EA	2" Gate Valve, Flanged	1,107.97	162.95
33 14 19 00-0085	EA	2-1/2" Gate Valve, Flanged	1,301.97	177.26
33 14 19 00-0086	EA	3" Gate Valve, Flanged	1,541.41	207.82
33 14 19 00-0087	EA	4" Gate Valve, Flanged	1,952.61	260.38
33 14 19 00-0088	EA	6" Gate Valve, Flanged	2,466.15	440.09
33 14 19 00-0089	EA	8" Gate Valve, Flanged	3,689.61	562.34
33 14 19 00-0090	EA	10" Gate Valve, Flanged	5,608.85	684.59
33 14 19 00-0091	EA	12" Gate Valve, Flanged	6,765.60	513.44
33 14 19 00-0092	EA	14" Gate Valve, Flanged	15,052.96	1,077.95
33 14 19 00-0093	EA	16" Gate Valve, Flanged	19,796.80	1,185.75
33 14 19 00-0094	EA	18" Gate Valve, Flanged	31,621.72	1,315.11
33 14 19 00-0095	EA	20" Gate Valve, Flanged	37,856.73	1,482.18
33 14 19 00-0096		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0082)* Note: Mueller A-2360-6.		
33 14 19 00-0097	EA	2" Resilient Wedge Gate Valve, Flanged	1,056.82	162.95
33 14 19 00-0098	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,240.85	177.26
33 14 19 00-0099	EA	3" Resilient Wedge Gate Valve, Flanged	1,468.89	207.82
33 14 19 00-0100	EA	4" Resilient Wedge Gate Valve, Flanged	1,871.54	260.38
33 14 19 00-0101	EA	6" Resilient Wedge Gate Valve, Flanged	2,357.78	440.09
33 14 19 00-0102	EA	8" Resilient Wedge Gate Valve, Flanged	3,520.33	562.34
33 14 19 00-0103	EA	10" Resilient Wedge Gate Valve, Flanged	5,339.83	684.59
33 14 19 00-0104	EA	12" Resilient Wedge Gate Valve, Flanged	6,440.79	513.44
33 14 19 00-0105		**Gate Valve, Mechanical Joint** *(33 14 19 00-0082)* Note: Mueller A-2380-20.		
33 14 19 00-0106	EA	2" Gate Valve, Mechanical Joint	1,292.01	130.19
33 14 19 00-0107	EA	2-1/2" Gate Valve, Mechanical Joint	1,385.29	163.20
33 14 19 00-0108	EA	3" Gate Valve, Mechanical Joint	1,745.57	197.43
33 14 19 00-0109	EA	4" Gate Valve, Mechanical Joint	2,065.79	260.38
33 14 19 00-0110	EA	6" Gate Valve, Mechanical Joint	2,611.18	305.62
33 14 19 00-0111	EA	8" Gate Valve, Mechanical Joint	3,844.84	366.74
33 14 19 00-0112	EA	10" Gate Valve, Mechanical Joint	5,690.93	427.87
33 14 19 00-0113	EA	12" Gate Valve, Mechanical Joint	7,138.39	513.44
33 14 19 00-0114	EA	14" Gate Valve, Mechanical Joint	16,042.75	660.24
33 14 19 00-0115	EA	16" Gate Valve, Mechanical Joint	20,838.39	741.09
33 14 19 00-0116	EA	18" Gate Valve, Mechanical Joint	33,484.58	821.94
33 14 19 00-0117	EA	20" Gate Valve, Mechanical Joint	39,869.75	926.36
33 14 19 00-0118		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0082)* Note: Mueller A-2360-20.		
33 14 19 00-0119	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,233.60	130.19
33 14 19 00-0120	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,669.11	197.43
33 14 19 00-0121	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,978.33	260.38
33 14 19 00-0122	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,497.99	305.62
33 14 19 00-0123	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,668.75	366.74
33 14 19 00-0124	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,417.26	427.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0125	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,792.40	513.44
33 14 19 00-0126		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 14 19 00-0082)*		
		Note: Mueller A-2361.		
33 14 19 00-0127	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,662.81	1,077.95
33 14 19 00-0128	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,588.75	1,185.75
33 14 19 00-0129	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,183.84	1,315.11
33 14 19 00-0130	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,722.17	1,482.18
33 14 19 00-0131	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	30,914.45	1,819.04
33 14 19 00-0132		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 14 19 00-0082)*		
		Note: NIBCO T-113.		
33 14 19 00-0133	EA	1/4" Diameter Threaded, Bronze, Gate Valve	65.57	21.38
33 14 19 00-0134	EA	3/8" Diameter Threaded, Bronze, Gate Valve	67.60	21.38
33 14 19 00-0135	EA	1/2" Diameter Threaded, Bronze, Gate Valve	67.19	21.38
33 14 19 00-0136	EA	3/4" Diameter Threaded, Bronze, Gate Valve	86.75	28.87
33 14 19 00-0137	EA	1" Diameter Threaded, Bronze, Gate Valve	106.85	34.92
33 14 19 00-0138	EA	1-1/4" Diameter Threaded, Bronze, Gate Valve	144.65	44.21
33 14 19 00-0139	EA	1-1/2" Diameter Threaded, Bronze, Gate Valve	167.80	51.12
33 14 19 00-0140	EA	2" Diameter Threaded, Bronze, Gate Valve	203.32	59.75
33 14 19 00-0141	EA	2-1/2" Diameter Threaded, Bronze, Gate Valve	385.43	81.54
33 14 19 00-0142	EA	3" Diameter Threaded, Bronze, Gate Valve	461.35	93.52
33 14 19 00-0143		**Globe Valve, AWWA** *(33 14 19 00-0001)*		
33 14 19 00-0144		**Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 14 19 00-0143)*		
		Note: NIBCO T-235.		
33 14 19 00-0145	EA	1/8" Diameter Threaded, Globe Valve	91.69	21.38
33 14 19 00-0146	EA	1/4" Diameter Threaded, Globe Valve	87.59	21.38
33 14 19 00-0147	EA	3/8" Diameter Threaded, Globe Valve	89.62	21.38
33 14 19 00-0148	EA	1/2" Diameter Threaded, Globe Valve	91.69	21.38
33 14 19 00-0149	EA	3/4" Diameter Threaded, Globe Valve	124.49	28.87
33 14 19 00-0150	EA	1" Diameter Threaded, Globe Valve	173.64	34.92
33 14 19 00-0151	EA	1-1/4" Diameter Threaded, Globe Valve	252.61	44.21
33 14 19 00-0152	EA	1-1/2" Diameter Threaded, Globe Valve	301.24	51.12
33 14 19 00-0153	EA	2" Diameter Threaded, Globe Valve	418.19	59.75
33 14 19 00-0154	EA	2-1/2" Diameter Threaded, Globe Valve	762.48	81.54
33 14 19 00-0155	EA	3" Diameter Threaded, Globe Valve	1,040.69	94.01
33 14 19 00-0156		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0001)*		
33 14 19 00-0157		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0156)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0158	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,595.47	162.95
33 14 19 00-0159	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,056.53	207.82
33 14 19 00-0160	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,450.19	260.38
33 14 19 00-0161	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,226.51	440.09
33 14 19 00-0162	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,664.78	562.34
33 14 19 00-0163	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,793.91	684.59
33 14 19 00-0164	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,102.50	513.44
33 14 19 00-0165	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,485.28	1,077.95
33 14 19 00-0166	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,431.34	1,185.75
33 14 19 00-0167	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,066.38	1,315.11
33 14 19 00-0168		**Yokes And Angles** *(33 14 19 00-0001)*		
33 14 19 00-0169		**Yoke, Meter** *(33 14 19 00-0168)*		
33 14 19 00-0170	EA	Yoke, Meter, 5/8"	59.70	19.92
33 14 19 00-0171	EA	Yoke, Meter, 3/4"	67.56	21.91
33 14 19 00-0172	EA	Yoke, Meter, 1"	88.07	25.23
33 14 19 00-0173		**Angles And Ells** *(33 14 19 00-0168)*		
33 14 19 00-0174	EA	1-1/2" Flanged Angle, ELL	140.10	13.94
33 14 19 00-0175	EA	ELL, Yoke, With Female I.P.T.	43.65	11.95
33 14 19 00-0176		**Accessories For Valves** *(33 14 19)*		
33 14 19 00-0177	EA	1' Valve Extension Stem	116.61	
		For Each Additional LF, Add	*9.11*	
33 14 19 00-0178	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly	1,720.50	122.25
		Note: Excludes valve.		
33 14 19 00-0179	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,951.07	134.47
		Note: Excludes valve.		
33 14 19 00-0180	EA	Adjust Water Valve Box To Grade	122.25	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0181		**Utility Box** *(33 14 19)* Note: Christy Concrete Products.		
33 14 19 00-0182		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 19 00-0181)*		
33 14 19 00-0183	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	132.25	60.43
33 14 19 00-0184	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	132.47	6.72
33 14 19 00-0185	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	55.30	6.72
33 14 19 00-0186	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	289.36	6.72
33 14 19 00-0187	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	78.57	13.43
33 14 19 00-0188	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	112.67	13.43
33 14 19 00-0189		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 19 00-0181)*		
33 14 19 00-0190	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	160.59	80.58
33 14 19 00-0191	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	155.19	8.06
33 14 19 00-0192	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	61.41	8.06
33 14 19 00-0193	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	303.55	6.72
33 14 19 00-0194	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	87.94	13.43
33 14 19 00-0195	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	117.87	20.15
33 14 19 00-0196	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	140.21	36.93
33 14 19 00-0197		**B12 Utility Box, 12" x 20"** *(33 14 19 00-0181)*		
33 14 19 00-0198	EA	12" x 20" Precast Concrete Utility Box	176.51	87.29
33 14 19 00-0199	EA	Cast Iron Lid For 12" x 20" Utility Box	279.25	10.07
33 14 19 00-0200	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	82.47	13.43
33 14 19 00-0201	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	408.46	13.43
33 14 19 00-0202	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	182.77	47.00
33 14 19 00-0203		**B16 Utility Box, 12" x 22-1/4"** *(33 14 19 00-0181)*		
33 14 19 00-0204	EA	12" x 22-1/4" Precast Concrete Utility Box	203.22	102.07
33 14 19 00-0205	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	315.62	13.43
33 14 19 00-0206	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	101.81	13.43
33 14 19 00-0207	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	410.76	13.43
33 14 19 00-0208	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	143.11	22.83
33 14 19 00-0209	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	185.98	47.00
33 14 19 00-0210		**B30 Utility Box, 13-1/4" x 24"** *(33 14 19 00-0181)*		
33 14 19 00-0211	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	244.76	120.86
33 14 19 00-0212	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	137.25	21.49
33 14 19 00-0213	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	507.84	17.46
33 14 19 00-0214	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	143.11	22.83
33 14 19 00-0215	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	219.33	37.61
33 14 19 00-0216	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	171.14	25.51
33 14 19 00-0217	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	240.97	60.43
33 14 19 00-0218		**B36 Utility Box, 17-1/4" x 30"** *(33 14 19 00-0181)*		
33 14 19 00-0219	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	319.77	153.09
33 14 19 00-0220	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	223.71	36.93
33 14 19 00-0221	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	636.74	25.51
33 14 19 00-0222	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	202.16	48.35
33 14 19 00-0223	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	341.03	53.72
33 14 19 00-0224	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	321.63	77.89
33 14 19 00-0225		**B40 Utility Box, 24-1/2" x 36"** *(33 14 19 00-0181)*		
33 14 19 00-0226	EA	24-1/2" x 36" Precast Concrete Utility Box	660.07	236.35
33 14 19 00-0227	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	611.73	88.63
33 14 19 00-0228	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	904.52	38.95
33 14 19 00-0229	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	500.58	83.26
33 14 19 00-0230	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	531.05	87.29
33 14 19 00-0231		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 19 00-0181)*		
33 14 19 00-0232	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	835.88	268.58
33 14 19 00-0233	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	844.12	146.38
33 14 19 00-0234	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	1,062.87	146.38
33 14 19 00-0235	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,432.20	67.15
33 14 19 00-0236	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	729.75	181.30
33 14 19 00-0237	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	656.90	122.20
33 14 19 00-0238		**Fire Hydrants** *(33 14 19)* Note: Breakaway type.		
33 14 19 00-0239		**Three Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0238)* Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0240	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,756.50	319.41
33 14 19 00-0241	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,826.17	319.41
33 14 19 00-0242	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,896.03	319.41
33 14 19 00-0243	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,988.35	342.21
33 14 19 00-0244	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,058.09	342.21
33 14 19 00-0245	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,156.43	370.74
33 14 19 00-0246	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,226.07	370.74
33 14 19 00-0247	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,324.42	399.26
33 14 19 00-0248	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,394.16	399.26
33 14 19 00-0249	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,492.30	427.77
33 14 19 00-0250	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,590.54	456.29
33 14 19 00-0251	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,717.19	513.33
33 14 19 00-0252	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,820.08	319.41
33 14 19 00-0253	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,910.50	319.41
33 14 19 00-0254	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,000.70	319.41
33 14 19 00-0255	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,113.70	342.21
33 14 19 00-0256	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,203.90	342.21
33 14 19 00-0257	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,322.96	370.74
33 14 19 00-0258	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,413.05	370.74
33 14 19 00-0259	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,531.86	399.26
33 14 19 00-0260	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,622.03	399.26
33 14 19 00-0261	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,740.58	427.77
33 14 19 00-0262	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,859.53	456.29
33 14 19 00-0263	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	5,006.61	513.33

33 14 19 00-0264 Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0238)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0265	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,374.04	319.41
33 14 19 00-0266	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,443.47	319.41
33 14 19 00-0267	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,513.30	319.41
33 14 19 00-0268	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,605.91	342.21
33 14 19 00-0269	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,675.43	342.21
33 14 19 00-0270	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,773.62	370.74
33 14 19 00-0271	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,843.36	370.74
33 14 19 00-0272	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,941.78	399.26
33 14 19 00-0273	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,011.37	399.26
33 14 19 00-0274	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,109.89	427.77
33 14 19 00-0275	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,207.68	456.29
33 14 19 00-0276	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,334.49	513.33
33 14 19 00-0277	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,472.26	319.41
33 14 19 00-0278	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,562.48	319.41
33 14 19 00-0279	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,652.57	319.41
33 14 19 00-0280	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,765.79	342.21
33 14 19 00-0281	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,855.76	342.21
33 14 19 00-0282	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,974.67	370.74
33 14 19 00-0283	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,064.69	370.74
33 14 19 00-0284	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,183.79	399.26
33 14 19 00-0285	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,273.76	399.26
33 14 19 00-0286	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,392.63	427.77
33 14 19 00-0287	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,511.12	456.29
33 14 19 00-0288	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,658.70	513.33

33 14 19 00-0289 Three Way, Modern Model Fire Hydrant *(33 14 19 00-0238)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0290	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,919.11	319.41
33 14 19 00-0291	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	4,009.19	319.41
33 14 19 00-0292	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,099.55	319.41
33 14 19 00-0293	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,212.59	342.21
33 14 19 00-0294	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,302.74	342.21
33 14 19 00-0295	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,421.47	370.74
33 14 19 00-0296	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,511.74	370.74
33 14 19 00-0297	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,630.48	399.26
33 14 19 00-0298	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,720.66	399.26
33 14 19 00-0299	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,839.36	399.26
33 14 19 00-0300	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,958.35	456.29
33 14 19 00-0301	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	5,104.49	456.29

33 14 19 00-0302 Two Way, Modern Model Fire Hydrant *(33 14 19 00-0238)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0303	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,789.52	319.41
33 14 19 00-0304	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,858.07	319.41
33 14 19 00-0305	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,927.39	319.41
33 14 19 00-0306	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	3,017.94	342.21
33 14 19 00-0307	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,086.48	342.21
33 14 19 00-0308	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,183.54	370.74
33 14 19 00-0309	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,252.05	370.74
33 14 19 00-0310	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,349.19	399.26
33 14 19 00-0311	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,417.53	399.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0312	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,514.59	427.77
33 14 19 00-0313	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,611.74	456.29
33 14 19 00-0314	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,736.46	513.33
33 14 19 00-0315		**Fire Hydrant Extension Kits** *(33 14 19 00-0238)*		
33 14 19 00-0316	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	582.56	28.52
33 14 19 00-0317	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	692.32	35.64
33 14 19 00-0318	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	755.43	42.78
33 14 19 00-0319	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	858.99	52.76
33 14 19 00-0320	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,295.18	54.91
33 14 19 00-0321	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,383.20	57.04
33 14 19 00-0322	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,404.40	59.89
33 14 19 00-0323	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,483.41	64.16
33 14 19 00-0324	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,635.90	77.00
33 14 19 00-0325	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,727.24	92.68
33 14 19 00-0326	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	648.03	31.94
33 14 19 00-0327	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	767.55	38.79
33 14 19 00-0328	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	880.91	46.77
33 14 19 00-0329	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	985.22	58.18
33 14 19 00-0330	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,347.51	60.46
33 14 19 00-0331	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,436.67	62.74
33 14 19 00-0332	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,498.16	66.16
33 14 19 00-0333	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,751.86	70.72
33 14 19 00-0334	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,920.49	84.41
33 14 19 00-0335	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	2,018.98	101.53
33 14 19 00-0336		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0238)* Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0337	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	912.57	
33 14 19 00-0338	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,330.84	
33 14 19 00-0339	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,443.91	
33 14 19 00-0340		**Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0341	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	395.37	39.83
33 14 19 00-0342	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	424.21	39.83
33 14 19 00-0343	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	453.04	39.83
33 14 19 00-0344	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	367.64	50.45
33 14 19 00-0345	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	384.84	50.45
33 14 19 00-0346	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	402.03	50.45
33 14 19 00-0347		**Sanitary Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0348	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,762.39	82.99
33 14 19 00-0349	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,852.50	82.99
33 14 19 00-0350	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,942.61	82.99
33 14 19 00-0351		**Flushing Hydrants** *(33 14 19)*		
33 14 19 00-0352	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	904.82	51.03
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)* Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0385 for Enclosures.		
33 14 23 00-0001		**Roadway Or Curb Valve Boxes** *(33 14 23)* See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0002		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0001)*		
33 14 23 00-0003	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	223.03	16.13
33 14 23 00-0004	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	257.77	16.13
33 14 23 00-0005	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	259.37	16.13
33 14 23 00-0006	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	68.68	8.07
33 14 23 00-0007	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	77.88	8.07
33 14 23 00-0008	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	91.72	8.07
33 14 23 00-0009	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	334.18	20.17
33 14 23 00-0010	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	575.40	28.24
33 14 23 00-0011	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	640.20	28.24
33 14 23 00-0012	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	347.04	20.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0013	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	362.52	20.17
33 14 23 00-0014	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	350.69	20.17
33 14 23 00-0015	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	127.49	8.07
33 14 23 00-0016	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	218.80	33.19
33 14 23 00-0017	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	225.83	34.52
33 14 23 00-0018	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	251.22	35.84
33 14 23 00-0019	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	340.32	37.84
33 14 23 00-0020	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	408.88	39.83
33 14 23 00-0021	EA	18" Cast Iron Service Box Extension Section	94.88	
33 14 23 00-0022		Plastic Roadway Grade Water Meter Box And Cover *(33 14 23 00-0001)*		
33 14 23 00-0023	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	327.45	46.47
33 14 23 00-0024	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	246.00	33.19
33 14 23 00-0025	EA	Cast Iron Lid For Plastic Meter Box	72.86	
33 14 23 00-0026		Traffic Valve Box And Lid *(33 14 23 00-0001)*		
33 14 23 00-0027	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	234.20	
33 14 23 00-0028	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	749.24	
33 14 23 00-0029		Roadway Valve Box Cover Adjustment *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for saw cutting pavement if required.		
33 14 23 00-0030	EA	Up To 3" Rise, Up To 6" Diameter, Adjustment To Roadway Valve Cover	311.59	
33 14 23 00-0031		Roadway Utility Box Cover Adjustment *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for saw cutting pavement if required.		
33 14 23 00-0032	EA	Up To 6" Rise, Up To 2 SF, Adjustment To Roadway Utility Cover	638.63	
33 14 23 00-0033	EA	Up To 6" Rise, >2 To 4 SF, Adjustment To Roadway Utility Cover	815.42	
33 14 23 00-0034	EA	Up To 6" Rise, >4 To 6 SF, Adjustment To Roadway Utility Cover	1,165.59	
33 14 23 00-0035	EA	Up To 6" Rise, >6 To 10 SF, Adjustment To Roadway Utility Cover	1,421.04	

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001		Bronze Disk Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	338.00	69.04
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	424.67	82.32
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	569.66	94.26
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,106.69	140.73
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,499.25	183.22
33 19 13 23-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	604.12	69.04
		For Owner Furnished Material, Deduct	*-534.24*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	689.02	82.32
		For Owner Furnished Material, Deduct	*-606.03*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,024.72	94.26
		For Owner Furnished Material, Deduct	*-929.88*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,733.38	140.73
		For Owner Furnished Material, Deduct	*-1,592.14*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	2,146.37	183.22
		For Owner Furnished Material, Deduct	*-1,961.97*	
33 19 13 23-0013	EA	Electronic Transmitter Note: For use with transmitting meter valve.	488.46	33.19
		For Owner Furnished Material, Deduct	*-455.27*	

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 23 Turbine Water Meters *(33 19 16)*

33 19 16 23-0001		Flanged Turbine Water Service Meter *(33 19 16 23)*		
33 19 16 23-0002		Vertical Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,326.93	128.36
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,865.92	162.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,460.95	207.82
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,159.45	325.18
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,798.62	440.09
33 19 16 23-0008		**Horizontal Turbine Meters** *(33 19 16 23-0001)*		
33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,104.32	128.36
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,975.74	162.95
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,905.90	207.82
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,747.61	325.18
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,941.55	440.09
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	15,978.32	562.34
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,342.96	684.59
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	26,873.78	1,079.45
33 19 19		**Compound Water Meters** *(33 19)*		
33 19 19 00-0001		**Flanged Compound Type Water Service Meter** *(33 19 19)*		
33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,640.35	162.95
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,826.23	207.82
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,291.62	325.18
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,797.81	440.09
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,595.01	562.34
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,924.11	684.59
33 19 23		**Magnetic Water Meters** *(33 19)*		
33 19 23 00-0001		**Flanged Electromagnetic Flow (EMF) Water Meter** *(33 19 23)*		
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,012.95	162.95
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,721.51	207.82
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,617.63	325.18
33 19 26		**Ultrasonic Water Meters** *(33 19)*		
33 19 26 00-0001		**Ultrasonic Water Service Meters (Mastermeter Octive)** *(33 19 26)*		
33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,581.08	207.82
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,293.21	325.18
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,783.64	440.09
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	11,199.37	562.34

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping *(33 31 11)*

Note: Includes detectable tracer wire.

33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.77	4.34
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.09	5.11
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	18.25	6.20
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	22.90	7.23
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	31.53	8.41
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	42.49	9.78
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	58.50	10.13
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	77.23	10.49

33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

Note: D-2729 PVC pipe.

33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.70	6.20
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.09	7.23
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.02	8.41

33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0001)*

33 31 11 00-0016 Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbows *(33 31 11 00-0015)*

33 31 11 00-0017	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	32.00	15.31
33 31 11 00-0018	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	41.10	19.80
33 31 11 00-0019	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	75.54	26.59
33 31 11 00-0020	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	121.55	30.73
33 31 11 00-0021	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	519.46	39.95
33 31 11 00-0022	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	867.66	53.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0023	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	1,145.14	71.60
33 31 11 00-0024		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0025	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	34.08	15.31
33 31 11 00-0026	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	40.92	19.80
33 31 11 00-0027	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	72.41	26.59
33 31 11 00-0028	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	106.28	30.73
33 31 11 00-0029	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	480.57	39.95
33 31 11 00-0030	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	777.28	53.76
33 31 11 00-0031	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	879.28	71.60
33 31 11 00-0032	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	1,311.56	95.35
33 31 11 00-0033		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweeps** *(33 31 11 00-0015)*		
33 31 11 00-0034	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	57.34	15.08
33 31 11 00-0035	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	55.68	19.80
33 31 11 00-0036	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	113.03	26.59
33 31 11 00-0037	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	190.30	30.73
33 31 11 00-0038	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	386.67	39.95
33 31 11 00-0039	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	693.15	53.76
33 31 11 00-0040	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,142.01	71.60
33 31 11 00-0041	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,736.75	95.35
33 31 11 00-0042		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0043	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	38.53	15.31
33 31 11 00-0044	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	45.44	19.80
33 31 11 00-0045	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	85.40	26.59
33 31 11 00-0046	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	130.37	30.73
33 31 11 00-0047	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	648.82	39.95
33 31 11 00-0048	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,055.96	53.76
33 31 11 00-0049	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,188.01	71.60
33 31 11 00-0050	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,208.66	95.35
33 31 11 00-0051		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducers** *(33 31 11 00-0015)*		
33 31 11 00-0052	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	44.30	17.47
33 31 11 00-0053	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	88.94	20.85
33 31 11 00-0054	EA	3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	82.79	23.00
33 31 11 00-0055	EA	4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	133.23	25.14
33 31 11 00-0056	EA	4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	142.64	28.52
33 31 11 00-0057	EA	6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	458.00	35.30
33 31 11 00-0058	EA	8" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	984.59	46.81
33 31 11 00-0059	EA	10" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	203.46	51.11
33 31 11 00-0060	EA	10" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	281.37	55.74
33 31 11 00-0061	EA	10" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	263.60	62.60
33 31 11 00-0062	EA	12" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,016.13	67.67
33 31 11 00-0063	EA	12" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,072.07	74.53
33 31 11 00-0064	EA	12" x 10" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,133.50	83.47
33 31 11 00-0065		**Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tees** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	50.80	23.14
33 31 11 00-0067	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	67.90	29.93
33 31 11 00-0068	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	120.72	39.48
33 31 11 00-0069	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	190.68	49.03
33 31 11 00-0070	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	762.13	53.76
33 31 11 00-0071	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	988.51	71.60
33 31 11 00-0072		**Polyvinyl Chloride (PVC) Sewer And Drain, Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	66.95	23.14
33 31 11 00-0074	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	77.27	29.93
33 31 11 00-0075	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	132.70	39.48
33 31 11 00-0076	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	210.29	49.03
33 31 11 00-0077	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	688.52	53.76
33 31 11 00-0078	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	848.70	71.60
33 31 11 00-0079	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,115.93	95.54
33 31 11 00-0080	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,771.12	127.49
33 31 11 00-0081		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	92.29	23.14
33 31 11 00-0083	EA	2" x 2" x 1" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	101.92	29.93
33 31 11 00-0084	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	116.04	39.48
33 31 11 00-0085	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	183.38	49.03
33 31 11 00-0086	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	201.78	49.03
33 31 11 00-0087	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	331.90	80.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0088		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0089	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	113.55	29.93
33 31 11 00-0090	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	147.63	39.48
33 31 11 00-0091	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	308.16	53.29
33 31 11 00-0092	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	559.51	64.46
33 31 11 00-0093	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	139.99	39.48
33 31 11 00-0094	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	249.84	53.29
33 31 11 00-0095	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	463.16	64.46
33 31 11 00-0096		**Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0097	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	87.09	23.14
33 31 11 00-0098	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	108.69	29.93
33 31 11 00-0099	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	227.13	39.48
33 31 11 00-0100	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	422.07	49.03
33 31 11 00-0101	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	177.09	29.93
33 31 11 00-0102	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	289.08	39.48
33 31 11 00-0103	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	202.90	39.48
33 31 11 00-0104	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	393.03	49.03
33 31 11 00-0105	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	419.59	49.03
33 31 11 00-0106		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0107	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	129.18	29.93
33 31 11 00-0108	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	149.36	39.48
33 31 11 00-0109	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	236.47	53.29
33 31 11 00-0110	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	921.62	64.46
33 31 11 00-0111	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	3,101.90	71.36
33 31 11 00-0112		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tees With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0113	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	693.25	121.74
33 31 11 00-0114	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	1,719.27	157.06
33 31 11 00-0115	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,179.36	221.34
33 31 11 00-0116	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,984.28	356.03
33 31 11 00-0117		**Polyvinyl Chloride (PVC) Sewer And Drain, Couplings** *(33 31 11 00-0015)*		
33 31 11 00-0118	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	30.89	15.31
33 31 11 00-0119	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	38.31	19.68
33 31 11 00-0120	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	62.22	26.36
33 31 11 00-0121	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	83.23	30.73
33 31 11 00-0122	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	265.18	39.95
33 31 11 00-0123	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	673.39	53.76
33 31 11 00-0124	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,026.08	71.60
33 31 11 00-0125	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,708.02	95.35
33 31 11 00-0126		**Polyvinyl Chloride (PVC) Sewer And Drain, Adapters** *(33 31 11 00-0015)*		
33 31 11 00-0127	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Male Threaded Iron Adapter Fitting	150.09	85.82
33 31 11 00-0128	EA	2" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	105.09	65.28
33 31 11 00-0129	EA	2" x 3" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	108.22	65.28
33 31 11 00-0130	EA	3" x 4" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	116.51	65.28
33 31 11 00-0131	EA	4" Cast Iron Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Hub Pipe Adapter Fitting	152.36	85.82
33 31 11 00-0132	EA	4" Clay Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	145.73	85.82
33 31 11 00-0133	EA	4" Fiberglass Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	134.84	85.82
33 31 11 00-0134	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Drain Grate Fitting	74.27	44.13
33 31 11 00-0135		**Polyvinyl Chloride (PVC) Sewer And Drain, Caps** *(33 31 11 00-0015)*		
33 31 11 00-0136	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	43.71	16.46
33 31 11 00-0137	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	73.81	20.49
33 31 11 00-0138	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	142.75	26.48
33 31 11 00-0139		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanouts With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0140	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	26.76	15.31
33 31 11 00-0141	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	34.85	19.80
33 31 11 00-0142	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	52.27	26.59
33 31 11 00-0143	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	69.72	30.73
33 31 11 00-0144	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	122.49	39.95
33 31 11 00-0145	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	483.20	53.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0146		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0147	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	17.91	7.23
		For SDR 26, Add	*0.67*	
33 31 11 00-0148	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	23.39	8.41
		For SDR 26, Add	*1.29*	
33 31 11 00-0149	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	30.74	9.78
		For SDR 26, Add	*2.19*	
33 31 11 00-0150	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	37.00	10.13
		For SDR 26, Add	*3.28*	
33 31 11 00-0151	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	44.56	10.49
		For SDR 26, Add	*4.62*	
33 31 11 00-0152	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	57.08	10.85
		For SDR 26, Add	*6.93*	
33 31 11 00-0153	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	71.42	11.25
33 31 11 00-0154	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	91.88	12.21
33 31 11 00-0155	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	110.83	13.18
33 31 11 00-0156	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	137.48	15.46
33 31 11 00-0157		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0158	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	17.51	7.23
		For SDR 26, Add	*0.60*	
33 31 11 00-0159	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	22.92	8.41
		For SDR 26, Add	*1.20*	
33 31 11 00-0160	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	30.22	9.78
		For SDR 26, Add	*2.09*	
33 31 11 00-0161		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0162		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0163	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	90.14	27.87
		For SDR 26, Add	*4.19*	
33 31 11 00-0164	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	134.37	32.41
		For SDR 26, Add	*7.71*	
33 31 11 00-0165	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	283.82	36.72
		For SDR 26, Add	*21.34*	
33 31 11 00-0166	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	819.55	43.21
		For SDR 26, Add	*71.76*	
33 31 11 00-0167	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	1,059.10	55.09
		For SDR 26, Add	*92.86*	
33 31 11 00-0168		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0169	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	81.16	27.87
		For SDR 26, Add	*3.33*	
33 31 11 00-0170	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	124.47	32.41
		For SDR 26, Add	*6.76*	
33 31 11 00-0171	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	258.78	36.72
		For SDR 26, Add	*18.93*	
33 31 11 00-0172	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	583.84	43.21
		For SDR 26, Add	*49.13*	
33 31 11 00-0173	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	834.98	55.09
		For SDR 26, Add	*71.34*	
33 31 11 00-0174	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	1,793.74	77.77
		For SDR 26, Add	*159.76*	
33 31 11 00-0175	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	2,847.14	110.18
33 31 11 00-0176	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	4,753.93	145.82
33 31 11 00-0177	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	6,482.47	194.44
33 31 11 00-0178		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tees** *(33 31 11 00-0161)*		
33 31 11 00-0179	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	136.48	41.81
		For SDR 26, Add	*6.41*	
33 31 11 00-0180	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	221.84	46.34
		For SDR 26, Add	*13.88*	
33 31 11 00-0181	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	249.63	48.60
		For SDR 26, Add	*16.19*	
33 31 11 00-0182	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	275.85	50.87
		For SDR 26, Add	*18.34*	
33 31 11 00-0183	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	316.42	53.14
		For SDR 26, Add	*21.87*	
33 31 11 00-0184	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	610.80	55.41
		For SDR 26, Add	*49.77*	
33 31 11 00-0185	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	783.77	56.71
		For SDR 26, Add	*66.17*	
33 31 11 00-0186	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	888.82	59.41
		For SDR 26, Add	*75.83*	
33 31 11 00-0187	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,315.12	61.68
		For SDR 26, Add	*116.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0188	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,715.70	64.81
		For SDR 26, Add	*154.34*	
33 31 11 00-0189	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	964.45	69.03
		For SDR 26, Add	*81.54*	
33 31 11 00-0190	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,024.07	71.30
		For SDR 26, Add	*86.90*	
33 31 11 00-0191	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,464.15	73.56
		For SDR 26, Add	*128.79*	
33 31 11 00-0192	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,114.94	76.69
		For SDR 26, Add	*190.77*	
33 31 11 00-0193	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,383.79	82.63
		For SDR 26, Add	*215.62*	

33 31 11 00-0194 Gasketed SDR 35 Polyvinyl Chloride (PVC), Wyes *(33 31 11 00-0161)*

33 31 11 00-0195	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	129.51	41.81
		For SDR 26, Add	*5.74*	
33 31 11 00-0196	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	198.62	46.34
		For SDR 26, Add	*11.65*	
33 31 11 00-0197	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	218.44	48.60
		For SDR 26, Add	*13.19*	
33 31 11 00-0198	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	265.89	50.87
33 31 11 00-0199	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	304.54	53.14
33 31 11 00-0200	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	468.90	55.41
33 31 11 00-0201	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	716.36	57.15
33 31 11 00-0202	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	730.63	59.41
33 31 11 00-0203	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,102.14	61.68
33 31 11 00-0204	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,219.91	64.81
33 31 11 00-0205	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	908.24	69.03
33 31 11 00-0206	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	936.74	71.30
33 31 11 00-0207	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,344.46	73.56
33 31 11 00-0208	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,621.28	76.69
33 31 11 00-0209	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,692.54	82.63
33 31 11 00-0210	EA	15" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,086.14	99.38
33 31 11 00-0211	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,314.97	105.32
33 31 11 00-0212	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,895.88	116.66

33 31 11 00-0213 Gasketed SDR 35 Polyvinyl Chloride (PVC), Couplings *(33 31 11 00-0161)*

33 31 11 00-0214	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	89.35	27.87
		For SDR 26, Add	*4.12*	
33 31 11 00-0215	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	139.66	32.41
		For SDR 26, Add	*8.22*	
33 31 11 00-0216	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	207.05	36.94
		For SDR 26, Add	*13.97*	
33 31 11 00-0217	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	394.89	43.21
		For SDR 26, Add	*30.99*	
33 31 11 00-0218	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	560.93	55.09
		For SDR 26, Add	*45.04*	
33 31 11 00-0219	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	1,100.21	77.77
		For SDR 26, Add	*93.18*	
33 31 11 00-0220	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	2,073.01	110.18
33 31 11 00-0221	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	3,463.00	145.82
33 31 11 00-0222	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	5,014.83	194.44

33 31 11 00-0223 Gasketed SDR 35 Polyvinyl Chloride (PVC), Increasers *(33 31 11 00-0161)*

33 31 11 00-0224	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	173.34	30.14
		For SDR 26, Add	*11.82*	
33 31 11 00-0225	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	249.47	32.41
		For SDR 26, Add	*18.76*	
33 31 11 00-0226	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	263.03	34.68
		For SDR 26, Add	*19.70*	
33 31 11 00-0227	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	596.59	37.80
		For SDR 26, Add	*51.23*	
33 31 11 00-0228	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	686.00	40.07
		For SDR 26, Add	*59.45*	
33 31 11 00-0229	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	766.60	43.75
		For SDR 26, Add	*66.59*	
33 31 11 00-0230	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	880.27	46.01
		For SDR 26, Add	*77.14*	
33 31 11 00-0231	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,009.70	49.15
		For SDR 26, Add	*89.07*	
33 31 11 00-0232	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,520.94	66.44
		For SDR 26, Add	*135.38*	

33 31 11 00-0233 SDR 35 Polyvinyl Chloride (PVC), Saddle Wyes With Stainless Steel Clamps *(33 31 11 00-0161)*

33 31 11 00-0234	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	142.68	
		For SDR 26, Add	*8.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0235	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	188.86	
		For SDR 26, Add	*11.91*	
33 31 11 00-0236	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	193.16	
		For SDR 26, Add	*12.32*	
33 31 11 00-0237	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	321.61	
		For SDR 26, Add	*23.62*	
33 31 11 00-0238	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	339.61	
		For SDR 26, Add	*25.34*	
33 31 11 00-0239	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	649.35	
		For SDR 26, Add	*55.08*	
33 31 11 00-0240	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	365.98	
		For SDR 26, Add	*26.32*	
33 31 11 00-0241	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	399.73	
		For SDR 26, Add	*29.56*	
33 31 11 00-0242	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	899.79	
		For SDR 26, Add	*77.57*	
33 31 11 00-0243	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	1,062.30	
		For SDR 26, Add	*93.17*	
33 31 11 00-0244	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	418.54	
		For SDR 26, Add	*27.74*	
33 31 11 00-0245	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	447.99	
		For SDR 26, Add	*30.56*	

33 31 11 00-0246 SDR 35 Polyvinyl Chloride (PVC), Saddle Tees With Stainless Steel Clamps *(33 31 11 00-0161)*

33 31 11 00-0247	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	152.76	
		For SDR 26, Add	*9.48*	
33 31 11 00-0248	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	188.86	
		For SDR 26, Add	*11.91*	
33 31 11 00-0249	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	206.88	
		For SDR 26, Add	*13.64*	
33 31 11 00-0250	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	294.90	
		For SDR 26, Add	*21.05*	
33 31 11 00-0251	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	337.46	
		For SDR 26, Add	*25.14*	
33 31 11 00-0252	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	514.91	
		For SDR 26, Add	*42.17*	
33 31 11 00-0253	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	363.84	
		For SDR 26, Add	*26.11*	
33 31 11 00-0254	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	397.69	
		For SDR 26, Add	*29.36*	
33 31 11 00-0255	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	598.78	
		For SDR 26, Add	*48.67*	
33 31 11 00-0256	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	730.02	
		For SDR 26, Add	*61.27*	
33 31 11 00-0257	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	417.21	
		For SDR 26, Add	*27.61*	
33 31 11 00-0258	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	438.01	
		For SDR 26, Add	*29.61*	
33 31 11 00-0259	EA	15" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	735.34	
		For SDR 26, Add	*58.15*	
33 31 11 00-0260	EA	15" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	814.53	
		For SDR 26, Add	*65.75*	
33 31 11 00-0261	EA	15" x 12" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	1,154.92	
		For SDR 26, Add	*98.43*	

33 31 11 00-0262 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings *(33 31 11 00-0001)*

Note: ASTM F949.

33 31 11 00-0263 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe *(33 31 11 00-0262)*

33 31 11 00-0264	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	16.59	7.23
33 31 11 00-0265	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	22.22	8.41
33 31 11 00-0266	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	27.67	9.78
33 31 11 00-0267	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	31.91	10.13
33 31 11 00-0268	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	33.65	10.49
33 31 11 00-0269	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	38.70	10.85
33 31 11 00-0270	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	47.85	11.25
33 31 11 00-0271	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	55.31	12.21
33 31 11 00-0272	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	66.74	13.18
33 31 11 00-0273	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	95.14	17.75

33 31 11 00-0274 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bends *(33 31 11 00-0262)*

33 31 11 00-0275	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	56.15	
33 31 11 00-0276	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	74.75	
33 31 11 00-0277	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	102.09	
33 31 11 00-0278	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	168.07	
33 31 11 00-0279	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	182.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0280	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	297.51	
33 31 11 00-0281	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	465.80	
33 31 11 00-0282	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	650.98	
33 31 11 00-0283	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	836.12	
33 31 11 00-0284	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	1,096.72	
33 31 11 00-0285		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bends *(33 31 11 00-0262)*		
33 31 11 00-0286	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	52.96	
33 31 11 00-0287	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	70.03	
33 31 11 00-0288	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	95.22	
33 31 11 00-0289	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	155.15	
33 31 11 00-0290	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	169.00	
33 31 11 00-0291	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	273.60	
33 31 11 00-0292	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	426.82	
33 31 11 00-0293	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	593.13	
33 31 11 00-0294	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	759.49	
33 31 11 00-0295	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	994.46	
33 31 11 00-0296		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bends *(33 31 11 00-0262)*		
33 31 11 00-0297	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	48.17	
33 31 11 00-0298	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	60.05	
33 31 11 00-0299	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	90.12	
33 31 11 00-0300	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	113.72	
33 31 11 00-0301	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	154.65	
33 31 11 00-0302	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	248.19	
33 31 11 00-0303	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	360.02	
33 31 11 00-0304	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	533.94	
33 31 11 00-0305	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	707.88	
33 31 11 00-0306	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	992.01	
33 31 11 00-0307		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wyes *(33 31 11 00-0262)*		
33 31 11 00-0308	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	87.04	
33 31 11 00-0309	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	111.34	
33 31 11 00-0310	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	189.92	
33 31 11 00-0311	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	298.61	
33 31 11 00-0312	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	485.93	
33 31 11 00-0313	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	690.55	
33 31 11 00-0314	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	998.52	
33 31 11 00-0315	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,144.96	
33 31 11 00-0316	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,291.35	
33 31 11 00-0317	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	2,309.60	
33 31 11 00-0318		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tees *(33 31 11 00-0262)*		
33 31 11 00-0319	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	80.51	
33 31 11 00-0320	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	102.37	
33 31 11 00-0321	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	171.60	
33 31 11 00-0322	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	267.31	
33 31 11 00-0323	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	430.92	
33 31 11 00-0324	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	611.16	
33 31 11 00-0325	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	882.27	
33 31 11 00-0326	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,010.12	
33 31 11 00-0327	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,137.95	
33 31 11 00-0328	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	2,021.40	
33 31 11 00-0329		Couplings And Plug Fittings *(33 31 11)*		
33 31 11 00-0330		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0329)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0331	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	22.43	8.06
33 31 11 00-0332	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	24.54	9.40
33 31 11 00-0333	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	28.34	10.74
33 31 11 00-0334	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	32.07	11.42
33 31 11 00-0335	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	39.13	12.08
33 31 11 00-0336	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	46.22	13.43
33 31 11 00-0337	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	58.55	14.77
33 31 11 00-0338	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	72.10	15.45
33 31 11 00-0339	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	118.35	16.12
33 31 11 00-0340	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	160.73	17.46
33 31 11 00-0341	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	308.79	18.13
33 31 11 00-0342	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	358.62	19.14
33 31 11 00-0343	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	397.22	20.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0344	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	475.69	21.49
33 31 11 00-0345		**Cast Iron Service Saddles With U Bolt** *(33 31 11)*		
33 31 11 00-0346	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	130.81	
33 31 11 00-0347	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	131.52	
33 31 11 00-0348	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	144.73	
33 31 11 00-0349	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	140.09	
33 31 11 00-0350	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	158.12	
33 31 11 00-0351	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	177.92	
33 31 11 00-0352	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	210.78	
33 31 11 00-0353	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	178.46	
33 31 11 00-0354	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	195.09	
33 31 11 00-0355	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	225.01	
33 31 11 00-0356	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	144.06	
33 31 11 00-0357	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	157.27	
33 31 11 00-0358	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	187.20	
33 31 11 00-0359	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	222.18	
33 31 11 00-0360	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	239.21	
33 31 11 00-0361		**Manhole Inside Bowl Drop** *(33 31 11)*		
33 31 11 00-0362	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	349.99	
33 31 11 00-0363	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	366.84	
33 31 11 00-0364	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	376.34	
33 31 11 00-0365	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	389.17	
33 31 11 00-0366	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	404.64	
33 31 11 00-0367	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	433.79	
33 31 11 00-0368	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	452.01	
33 31 11 00-0369	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	466.59	
33 31 11 00-0370	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	801.82	
33 31 11 00-0371	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	823.68	
33 31 11 00-0372	EA	Inside Pipe Drop, 15" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/15R96)	932.75	
33 31 11 00-0373	EA	Inside Pipe Drop, 15" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/15R60)	908.66	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,282.17	398.58
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,251.47	398.58
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,062.75	132.82
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,633.24	132.82
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	13,716.40	

33 32 16 00-0007 Submersible Grinder Pumps *(33 32 16)*

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,985.32	787.60
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,899.66	918.87
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,237.09	1,181.41

33 32 16 00-0011 In-Line Sewage Grinder, Double Shaft Design *(33 32 16)*

33 32 16 00-0012	EA	4" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	15,318.58	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0013	EA	6" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	16,560.70	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0014	EA	8" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	17,039.08	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0015	EA	10" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	19,421.49	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0016	EA	12" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	21,269.87	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0017	EA	18" Pipe Flanges, In-Line Sewage Grinder, 5 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-600 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion proof motor with 29:1 reducer, 18" high cutting cartridge. Includes 18" cutter stack using 5-tooth double-edged and 11-tooth cam cutters. Muffin Monster 30005-0018-DI.	27,982.22	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0018	EA	12" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	41,844.79	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0019	EA	16" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	48,011.58	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0020	EA	18" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	50,408.20	1,545.16
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,324.13	787.60
		For Non-Traffic Rated, Deduct	*-839.22*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	5,200.11	869.38
		For Non-Traffic Rated, Deduct	*-1,033.18*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	6,042.18	951.03
		For Non-Traffic Rated, Deduct	*-1,218.64*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,764.01	1,033.73
		For Non-Traffic Rated, Deduct	*-1,624.63*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	9,242.61	1,427.53
		For Non-Traffic Rated, Deduct	*-1,874.00*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	24,657.67	1,969.01
		For Non-Traffic Rated, Deduct	*-5,560.59*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	44,865.30	2,953.52
		For Non-Traffic Rated, Deduct	*-10,313.16*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	50,269.84	4,134.92
		For Non-Traffic Rated, Deduct	*-11,309.48*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	61,645.49	4,947.22
		For Non-Traffic Rated, Deduct	*-13,901.80*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	72,832.36	6,128.62
		For Non-Traffic Rated, Deduct	*-16,321.12*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,834.70	590.70
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,690.53	787.60
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,555.98	713.83
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	10,973.66	772.77
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	13,774.28	1,071.14
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	21,848.45	1,476.76
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	32,426.62	2,215.14
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	44,517.91	3,101.19
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	54,631.73	3,706.60

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,376.57	244.49
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	2,118.43	275.06
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,944.98	336.18
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,024.43	366.74
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,504.47	397.30
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,204.43	427.87
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,965.02	305.62
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,233.89	366.74
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,802.94	397.30
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,466.26	427.87

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	1,038.34	115.51
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,462.76	164.09
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,948.43	196.90
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	3,170.53	328.17
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	4,630.86	459.44

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	380.64	84.28
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	443.15	101.14
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	772.74	117.99
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	1,525.16	202.27

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,210.74	98.39
33 34 53 13-0008	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,477.75	134.17

33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

33 34 53 33-0001 High-Density Polyethylene (HDPE) Leaching Field Chambers *(33 34 53 33)*

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	23.06	6.16
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	29.85	6.68
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	40.49	7.28
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	59.02	8.02

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	6,168.90	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,236.27	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,070.85	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0227 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0002		Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)* Note: Excludes couplings and gaskets.		
33 41 16 13-0003		Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*		
33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.42	5.22
		For <100, Add	*1.10*	
		For >1,000, Deduct	*-0.58*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.28	5.60
		For <100, Add	*1.25*	
		For >1,000, Deduct	*-0.69*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.62	5.88
		For <100, Add	*1.41*	
		For >1,000, Deduct	*-0.83*	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	14.82	6.06
		For <100, Add	*1.65*	
		For >1,000, Deduct	*-1.04*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.55	6.62
		For <100, Add	*1.87*	
		For >1,000, Deduct	*-1.21*	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.38	7.47
		For <100, Add	*2.29*	
		For >1,000, Deduct	*-1.54*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.17	12.25
		For <100, Add	*3.70*	
		For >1,000, Deduct	*-2.47*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	52.35	13.45
		For <100, Add	*4.64*	
		For >1,000, Deduct	*-3.29*	
33 41 16 13-0012		Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*		
33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.25	5.22
		For <100, Add	*1.10*	
		For >1,000, Deduct	*-0.57*	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.21	5.60
		For <100, Add	*1.25*	
		For >1,000, Deduct	*-0.69*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.88	5.88
		For <100, Add	*1.58*	
		For >1,000, Deduct	*-0.99*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.54	6.06
		For <100, Add	*1.74*	
		For >1,000, Deduct	*-1.13*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	19.43	6.62
		For <100, Add	*1.96*	
		For >1,000, Deduct	*-1.30*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.18	7.47
		For <100, Add	*2.28*	
		For >1,000, Deduct	*-1.53*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	35.93	12.25
		For <100, Add	*3.63*	
		For >1,000, Deduct	*-2.41*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	50.39	13.45
		For <100, Add	*4.54*	
		For >1,000, Deduct	*-3.19*	
33 41 16 13-0021		Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)* Note: Excludes couplings and gaskets.		
33 41 16 13-0022		Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	43.68	25.93
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	51.52	30.26
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	74.82	36.75
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	94.77	45.39
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	131.20	54.04
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	251.63	70.61
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	308.49	95.10
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	532.50	108.07
33 41 16 13-0031		Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	44.39	25.93
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	53.86	30.26
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	99.22	36.75
33 41 16 13-0035		45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	29.35	17.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0037		**90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	30.10	17.30
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	37.37	20.18
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	51.61	24.50
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	66.58	30.26
33 41 16 13-0042		**Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729** *(33 41 16 13)*		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.17	4.50
		For <100, Add	*1.03*	
		For >1,000, Deduct	*-0.58*	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.83	4.87
		For <100, Add	*1.12*	
		For >1,000, Deduct	*-0.64*	
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.93	5.83
		For <100, Add	*1.42*	
		For >1,000, Deduct	*-0.84*	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.81	7.29
		For <100, Add	*1.93*	
		For >1,000, Deduct	*-1.21*	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.64	7.59
		For <100, Add	*2.47*	
		For >1,000, Deduct	*-1.71*	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	33.79	8.29
		For <100, Add	*2.93*	
		For >1,000, Deduct	*-2.10*	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	46.32	9.34
		For <100, Add	*3.72*	
		For >1,000, Deduct	*-2.78*	
33 41 16 13-0050		**Perforated Non-Reinforced Concrete Drainage Piping, C444** *(33 41 16 13)*		
33 41 16 13-0051	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	36.79	13.18
		For Extra Strength, Add	*2.11*	
		For >1,000, Deduct	*-1.84*	
33 41 16 13-0052	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	43.08	14.64
		For Extra Strength, Add	*2.60*	
		For >1,000, Deduct	*-2.15*	
33 41 16 13-0053	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	48.80	16.10
		For Extra Strength, Add	*3.03*	
		For >1,000, Deduct	*-2.44*	
33 41 16 13-0054	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	57.42	17.56
		For Extra Strength, Add	*3.80*	
		For >1,000, Deduct	*-2.87*	
33 41 16 13-0055		**Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)*		
		Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.24	13.18
		For >1,000, Deduct	*-1.51*	
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.47	14.64
		For >1,000, Deduct	*-1.67*	
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	36.93	16.10
		For >1,000, Deduct	*-1.85*	
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	42.24	16.73
		For >1,000, Deduct	*-2.11*	
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	49.17	18.81
		For >1,000, Deduct	*-2.46*	
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	60.83	24.05
		For >1,000, Deduct	*-3.04*	
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	75.95	30.84
		For >1,000, Deduct	*-3.80*	
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	92.62	37.64
		For >1,000, Deduct	*-4.63*	
33 41 16 13-0064		**Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)*		
33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	28.08	13.18
		For >1,000, Deduct	*-1.40*	
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	35.87	14.64
		For >1,000, Deduct	*-1.79*	
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	45.59	16.10
		For >1,000, Deduct	*-2.28*	
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	55.51	17.56
		For >1,000, Deduct	*-2.78*	
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	63.62	19.54
		For >1,000, Deduct	*-3.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	82.53	24.37
		For >1,000, Deduct	*-4.13*	

33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	27.60	14.64
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	33.02	16.47
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	37.76	16.47
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	50.69	20.13
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	60.33	21.96

33 41 16 13-0077 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.86	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.14	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.73	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.32	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.49	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.82	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.80	

33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.83	6.27
		For Full Perforated, Add	*1.33*	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.70	7.60
		For Full Perforated, Add	*1.75*	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.24	9.65
		For Full Perforated, Add	*2.19*	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	45.76	11.40
		For Full Perforated, Add	*2.29*	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	52.44	11.81
		For Full Perforated, Add	*2.88*	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	59.30	12.24
		For Full Perforated, Add	*3.48*	
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	67.86	13.21
		For Full Perforated, Add	*4.15*	

33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.96	6.27
		For Full Perforated, Add	*1.54*	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.59	7.60
		For Full Perforated, Add	*2.04*	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	44.77	9.65
		For Full Perforated, Add	*2.55*	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	49.20	11.40
		For Full Perforated, Add	*2.64*	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	56.69	11.81
		For Full Perforated, Add	*3.31*	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	64.34	12.24
		For Full Perforated, Add	*3.99*	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	73.73	13.21
		For Full Perforated, Add	*4.73*	

33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.65	6.27
		For Full Perforated, Add	*1.61*	
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.48	7.60
		For Full Perforated, Add	*2.13*	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	45.90	9.65
		For Full Perforated, Add	*2.66*	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	57.68	11.40
		For Full Perforated, Add	*3.49*	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	67.24	11.81
		For Full Perforated, Add	*4.36*	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	77.13	12.24
		For Full Perforated, Add	*5.27*	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	88.64	13.21
		For Full Perforated, Add	*6.22*	

33 41 16 13-0109 Prefabricated Composite Drains *(33 41 16 13)*

33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0109)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.73	2.40
		For External Typar Geotextile Wrap, Add	*2.17*	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.45	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.45	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.77	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.77	
33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	18.78	3.00
		For External Typar Geotextile Wrap, Add	*3.26*	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.28	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.28	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.42	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.42	

33 41 19 Underslab Drainage *(33 41)*

33 41 19 13 Underslab Drainage Piping *(33 41 19)*

33 41 19 13-0001 Capillary Water Barrier Underslab Drainage *(33 41 19 13)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	72.77	
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	69.98	
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	68.86	
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	67.20	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	55.28	17.56
		For >1,000, Deduct	*-2.76*	
		For Class 4, Add	*2.87*	
		For Class 5, Add	*6.04*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	66.57	19.54
		For >1,000, Deduct	*-3.33*	
		For Class 4, Add	*3.67*	
		For Class 5, Add	*7.73*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.48	24.37
		For >1,000, Deduct	*-3.77*	
		For Class 4, Add	*3.86*	
		For Class 5, Add	*8.13*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	96.76	30.74
		For >1,000, Deduct	*-4.84*	
		For Class 4, Add	*5.02*	
		For Class 5, Add	*10.57*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	113.12	37.32
		For >1,000, Deduct	*-5.66*	
		For Class 4, Add	*5.68*	
		For Class 5, Add	*11.96*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	143.53	47.64
		For >1,000, Deduct	*-7.18*	
		For Class 4, Add	*7.17*	
		For Class 5, Add	*15.10*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	152.75	49.20
		For >1,000, Deduct	*-7.64*	
		For Class 4, Add	*7.76*	
		For Class 5, Add	*16.33*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	189.77	55.91
		For >1,000, Deduct	*-9.49*	
		For Class 4, Add	*10.52*	
		For Class 5, Add	*22.14*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	247.19	61.49
		For >1,000, Deduct	*-12.36*	
		For Class 4, Add	*15.22*	
		For Class 5, Add	*32.04*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	296.55	68.49
		For >1,000, Deduct	*-14.83*	
		For Class 4, Add	*18.88*	
		For Class 5, Add	*39.74*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	369.83	78.27
		For >1,000, Deduct	*-18.49*	
		For Class 4, Add	*24.51*	
		For Class 5, Add	*51.60*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	447.02	90.79
		For >1,000, Deduct	*-22.35*	
		For Class 4, Add	*30.15*	
		For Class 5, Add	*63.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	693.62	100.63
		For >1,000, Deduct	*-34.68*	
		For Class 4, Add	*52.30*	
		For Class 5, Add	*110.10*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	810.07	109.57
		For >1,000, Deduct	*-40.50*	
		For Class 4, Add	*62.09*	
		For Class 5, Add	*130.71*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	975.12	122.99
		For >1,000, Deduct	*-48.76*	
		For Class 4, Add	*75.91*	
		For Class 5, Add	*159.80*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,258.60	136.97
		For >1,000, Deduct	*-62.93*	
		For Class 4, Add	*100.98*	
		For Class 5, Add	*212.59*	
33 42 11 00-0019		**HE-I Elliptical Reinforced Concrete Piping Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	89.04	27.79
		For >1,000, Deduct	*-4.45*	
		For Horizontal Elliptical - II (HE- II), Add	*4.93*	
		For Horizontal Elliptical - III (HE- III), Add	*10.85*	
		For Horizontal Elliptical - IV (HE- IV), Add	*23.68*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	134.29	32.41
		For >1,000, Deduct	*-6.71*	
		For Horizontal Elliptical - II (HE- II), Add	*8.80*	
		For Horizontal Elliptical - III (HE- III), Add	*19.36*	
		For Horizontal Elliptical - IV (HE- IV), Add	*42.24*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	186.03	49.64
		For >1,000, Deduct	*-9.30*	
		For Horizontal Elliptical - II (HE- II), Add	*11.51*	
		For Horizontal Elliptical - III (HE- III), Add	*25.33*	
		For Horizontal Elliptical - IV (HE- IV), Add	*55.26*	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	219.21	63.36
		For >1,000, Deduct	*-10.96*	
		For Horizontal Elliptical - II (HE- II), Add	*12.87*	
		For Horizontal Elliptical - III (HE- III), Add	*28.31*	
		For Horizontal Elliptical - IV (HE- IV), Add	*61.77*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	232.81	66.20
		For >1,000, Deduct	*-11.64*	
		For Horizontal Elliptical - II (HE- II), Add	*13.82*	
		For Horizontal Elliptical - III (HE- III), Add	*30.41*	
		For Horizontal Elliptical - IV (HE- IV), Add	*66.35*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	267.95	69.90
		For >1,000, Deduct	*-13.40*	
		For Horizontal Elliptical - II (HE- II), Add	*16.81*	
		For Horizontal Elliptical - III (HE- III), Add	*36.98*	
		For Horizontal Elliptical - IV (HE- IV), Add	*80.68*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	303.08	73.59
		For >1,000, Deduct	*-15.15*	
		For Horizontal Elliptical - II (HE- II), Add	*19.80*	
		For Horizontal Elliptical - III (HE- III), Add	*43.55*	
		For Horizontal Elliptical - IV (HE- IV), Add	*95.02*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	370.34	80.98
		For >1,000, Deduct	*-18.52*	
		For Horizontal Elliptical - II (HE- II), Add	*25.47*	
		For Horizontal Elliptical - III (HE- III), Add	*56.02*	
		For Horizontal Elliptical - IV (HE- IV), Add	*122.23*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	446.94	91.08
		For >1,000, Deduct	*-22.35*	
		For Horizontal Elliptical - II (HE- II), Add	*31.68*	
		For Horizontal Elliptical - III (HE- III), Add	*69.70*	
		For Horizontal Elliptical - IV (HE- IV), Add	*152.07*	
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	508.73	104.09
		For >1,000, Deduct	*-25.44*	
		For Horizontal Elliptical - II (HE- II), Add	*36.00*	
		For Horizontal Elliptical - III (HE- III), Add	*79.20*	
		For Horizontal Elliptical - IV (HE- IV), Add	*172.81*	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	630.94	120.76
		For >1,000, Deduct	*-31.55*	
		For Horizontal Elliptical - II (HE- II), Add	*45.84*	
		For Horizontal Elliptical - III (HE- III), Add	*100.86*	
		For Horizontal Elliptical - IV (HE- IV), Add	*220.05*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	720.65	133.06
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	875.69	145.35
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	1,047.21	164.36
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,133.13	182.25
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,455.94	191.20
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,689.73	200.14
33 42 11 00-0037		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	691.93	66.91
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	829.59	81.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	1,026.54	89.91
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,177.08	110.82
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,329.23	133.82

33 42 11 00-0043 Concrete Pipe Joint Gaskets *(33 42 11 00-0001)*

33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.70	
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	7.92	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	9.18	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	11.09	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	12.99	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	14.48	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	15.91	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	19.44	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	22.53	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	25.99	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	31.86	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	47.16	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	49.02	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	50.83	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	58.54	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	70.17	

33 42 11 00-0060 Precast Concrete Cut Off Wall *(33 42 11 00-0001)*

33 42 11 00-0061	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	287.78	196.78
33 42 11 00-0062	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	354.95	243.75
33 42 11 00-0063	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	440.00	308.60
33 42 11 00-0064	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	520.57	368.97
33 42 11 00-0065	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	598.80	427.00
33 42 11 00-0066	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	737.63	545.63
33 42 11 00-0067	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	963.75	751.36
33 42 11 00-0068	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,201.11	948.14
33 42 11 00-0069	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,482.61	1,189.42
33 42 11 00-0070	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,659.09	1,340.60
33 42 11 00-0071	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,852.15	1,502.72
33 42 11 00-0072	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,047.86	1,669.32
33 42 11 00-0073	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,127.96	1,733.04
33 42 11 00-0074	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,198.43	1,788.95
33 42 11 00-0075	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,268.90	1,844.86
33 42 11 00-0076	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,341.18	1,900.76

33 42 11 00-0077 Strap Assembly *(33 42 11 00-0001)*

Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.

33 42 11 00-0078	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	253.65	
33 42 11 00-0079	EA	>24" Diameter Pipe, 12' Strap Assembly	358.29	

33 42 11 00-0080 Prestressed Concrete Cylinder Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0081 150 PSI Prestressed Concrete Cylinder Pipe And Fittings *(33 42 11 00-0080)*

33 42 11 00-0082 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets *(33 42 11 00-0081)*

Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".

33 42 11 00-0083	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	155.17	17.56
		For >1,000, Deduct	*-7.76*	
		For 100 PSI, Deduct	*-32.52*	
33 42 11 00-0084	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	165.52	19.54
		For >1,000, Deduct	*-8.28*	
		For 100 PSI, Deduct	*-34.40*	
33 42 11 00-0085	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	179.95	24.37
		For >1,000, Deduct	*-9.00*	
		For 100 PSI, Deduct	*-36.29*	
33 42 11 00-0086	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	196.58	30.74
		For >1,000, Deduct	*-9.83*	
		For 100 PSI, Deduct	*-38.17*	
33 42 11 00-0087	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	213.52	37.32
		For >1,000, Deduct	*-10.68*	
		For 100 PSI, Deduct	*-40.05*	
33 42 11 00-0088	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	250.48	49.20
		For >1,000, Deduct	*-12.52*	
		For 100 PSI, Deduct	*-44.84*	
33 42 11 00-0089	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	277.59	55.91
		For >1,000, Deduct	*-13.88*	
		For 100 PSI, Deduct	*-49.64*	
33 42 11 00-0090	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	322.50	61.49
		For >1,000, Deduct	*-16.13*	
		For 100 PSI, Deduct	*-58.88*	
33 42 11 00-0091	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	370.32	68.49
		For >1,000, Deduct	*-18.52*	
		For 100 PSI, Deduct	*-68.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0092	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	489.90	87.97
		For >1,000, Deduct	*-24.50*	
		For 100 PSI, Deduct	*-91.06*	
33 42 11 00-0093	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	590.80	102.05
		For >1,000, Deduct	*-29.54*	
		For 100 PSI, Deduct	*-111.25*	
33 42 11 00-0094	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	664.08	113.11
		For >1,000, Deduct	*-33.20*	
		For 100 PSI, Deduct	*-125.80*	
33 42 11 00-0095	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	740.77	123.17
		For >1,000, Deduct	*-37.04*	
		For 100 PSI, Deduct	*-141.20*	
33 42 11 00-0096	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	841.49	138.25
		For >1,000, Deduct	*-42.07*	
		For 100 PSI, Deduct	*-160.89*	
33 42 11 00-0097	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	942.21	153.96
		For >1,000, Deduct	*-47.11*	
		For 100 PSI, Deduct	*-180.57*	
33 42 11 00-0098	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,164.77	179.73
		For >1,000, Deduct	*-58.24*	
		For 100 PSI, Deduct	*-226.78*	
33 42 11 00-0099	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,371.49	205.24
		For >1,000, Deduct	*-68.57*	
		For 100 PSI, Deduct	*-269.57*	
33 42 11 00-0100	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,601.13	222.23
		For >1,000, Deduct	*-80.06*	
		For 100 PSI, Deduct	*-320.92*	
33 42 11 00-0101	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,809.06	235.99
		For >1,000, Deduct	*-90.45*	
		For 100 PSI, Deduct	*-367.98*	
33 42 11 00-0102	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,188.15	249.75
		For >1,000, Deduct	*-109.41*	
		For 100 PSI, Deduct	*-457.84*	
33 42 11 00-0103	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,548.45	262.35
		For >1,000, Deduct	*-127.42*	
		For 100 PSI, Deduct	*-543.42*	
33 42 11 00-0104	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,778.69	274.95
		For >1,000, Deduct	*-138.93*	
		For 100 PSI, Deduct	*-596.48*	
33 42 11 00-0105	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,012.34	287.54
		For >1,000, Deduct	*-150.62*	
		For 100 PSI, Deduct	*-650.39*	
33 42 11 00-0106	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,244.29	300.15
		For >1,000, Deduct	*-162.21*	
		For 100 PSI, Deduct	*-703.88*	
33 42 11 00-0107	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,476.22	312.75
		For >1,000, Deduct	*-173.81*	
		For 100 PSI, Deduct	*-757.36*	

33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0081)*

33 42 11 00-0109	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	503.90	164.66
33 42 11 00-0110	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	696.38	235.23
33 42 11 00-0111	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	894.28	313.64
33 42 11 00-0112	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,092.18	392.05
33 42 11 00-0113	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,324.56	487.19
33 42 11 00-0114	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,698.25	653.42
33 42 11 00-0115	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,112.72	782.67
33 42 11 00-0116	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,460.24	913.48
33 42 11 00-0117	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,768.30	1,043.18
33 42 11 00-0118	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,403.60	1,302.58
33 42 11 00-0119	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,434.68	1,759.55
33 42 11 00-0120	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,941.33	1,948.08
33 42 11 00-0121	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,447.98	2,136.59
33 42 11 00-0122	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,592.51	2,450.80
33 42 11 00-0123	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,730.11	2,765.01
33 42 11 00-0124	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,165.11	3,142.05
33 42 11 00-0125	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,593.17	3,519.10
33 42 11 00-0126	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,172.34	4,467.82
33 42 11 00-0127	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,684.26	5,361.39
33 42 11 00-0128	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	22,962.16	7,148.51
33 42 11 00-0129	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,155.49	8,935.64
33 42 11 00-0130	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	31,824.58	9,637.72
33 42 11 00-0131	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	35,498.38	10,339.81
33 42 11 00-0132	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	46,601.41	11,041.90
33 42 11 00-0133	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	42,922.01	11,743.98

33 42 11 00-0134 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0081)*

33 42 11 00-0135	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	468.98	164.66
33 42 11 00-0136	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	651.20	235.23
33 42 11 00-0137	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	840.88	313.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0138	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,030.56	392.05
33 42 11 00-0139	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,254.72	487.19
33 42 11 00-0140	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,602.41	609.51
33 42 11 00-0141	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,003.18	782.67
33 42 11 00-0142	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,333.59	913.48
33 42 11 00-0143	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,632.06	1,043.18
33 42 11 00-0144	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,210.37	1,302.58
33 42 11 00-0145	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,250.27	1,759.55
33 42 11 00-0146	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,743.56	1,948.08
33 42 11 00-0147	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,236.85	2,136.59
33 42 11 00-0148	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,099.69	2,450.80
33 42 11 00-0149	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,955.60	2,765.01
33 42 11 00-0150	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,187.68	3,142.05
33 42 11 00-0151	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,412.81	3,519.10
33 42 11 00-0152	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,295.72	4,398.88
33 42 11 00-0153	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,387.14	5,361.39
33 42 11 00-0154	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,106.16	7,148.51
33 42 11 00-0155	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	24,740.60	8,935.64
33 42 11 00-0156	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	27,657.81	9,637.72
33 42 11 00-0157	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	30,579.73	11,743.98
33 42 11 00-0158	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,513.23	11,041.90
33 42 11 00-0159	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	36,791.86	11,743.98

33 42 11 00-0160 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0080)*

33 42 11 00-0161 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0160)*

Note: AWWA C301

33 42 11 00-0162	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	295.50	49.20
		For >1,000, Deduct	*-14.78*	
33 42 11 00-0163	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	360.73	55.91
		For >1,000, Deduct	*-18.04*	
33 42 11 00-0164	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	421.20	61.49
		For >1,000, Deduct	*-21.06*	

33 42 11 00-0165 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0160)*

Note: AWWA C301

33 42 11 00-0166	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	568.58	68.43
		For >1,000, Deduct	*-28.43*	
33 42 11 00-0167	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	680.19	87.97
		For >1,000, Deduct	*-34.01*	
33 42 11 00-0168	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	784.09	102.05
		For >1,000, Deduct	*-39.20*	
33 42 11 00-0169	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	882.94	113.11
		For >1,000, Deduct	*-44.15*	
33 42 11 00-0170	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,070.63	123.17
		For >1,000, Deduct	*-53.53*	

33 42 11 00-0171 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0160)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0172	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,005.34
33 42 11 00-0173	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,153.88
33 42 11 00-0174	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,228.15
33 42 11 00-0175	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	2,525.24
33 42 11 00-0176	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	2,599.51
33 42 11 00-0177	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	2,748.05
33 42 11 00-0178	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	2,822.32
33 42 11 00-0179	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	2,896.60
33 42 11 00-0180	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	3,713.58
33 42 11 00-0181	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	3,713.58
33 42 11 00-0182	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,233.49
33 42 11 00-0183	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,233.49
33 42 11 00-0184	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,530.57
33 42 11 00-0185	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,530.57
33 42 11 00-0186	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,901.93
33 42 11 00-0187	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,901.93

33 42 11 00-0188 Quick Test Joints *(33 42 11 00-0160)*

33 42 11 00-0189	EA	30" Quick Test Joint	636.58
33 42 11 00-0190	EA	36" Quick Test Joint	642.17
33 42 11 00-0191	EA	42" Quick Test Joint	647.76
33 42 11 00-0192	EA	48" Quick Test Joint	660.89
33 42 11 00-0193	EA	54" Quick Test Joint	690.38
33 42 11 00-0194	EA	60" Quick Test Joint	715.50
33 42 11 00-0195	EA	66" Quick Test Joint	753.17
33 42 11 00-0196	EA	72" Quick Test Joint	790.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 11 00-0197 Harnessed Joints *(33 42 11 00-0160)*

33 42 11 00-0198 Harness Clamp Restrained Joints *(33 42 11 00-0197)*

33 42 11 00-0199	EA	30" Harness Clamp Restrained Joint	12,624.23	
33 42 11 00-0200	EA	36" Harness Clamp Restrained Joint	13,111.92	
33 42 11 00-0201	EA	42" Harness Clamp Restrained Joint	13,599.62	
33 42 11 00-0202	EA	48" Harness Clamp Restrained Joint	14,087.31	
33 42 11 00-0203	EA	54" Harness Clamp Restrained Joint	14,588.88	
33 42 11 00-0204	EA	60" Harness Clamp Restrained Joint	15,324.61	
33 42 11 00-0205	EA	66" Harness Clamp Restrained Joint	15,819.29	
33 42 11 00-0206	EA	72" Harness Clamp Restrained Joint	16,940.71	

33 42 11 00-0207 Snap Ring Restrained Joints *(33 42 11 00-0197)*

33 42 11 00-0208	EA	30" Snap Ring Restrained Joint	2,017.88	
33 42 11 00-0209	EA	36" Snap Ring Restrained Joint	2,312.73	
33 42 11 00-0210	EA	42" Snap Ring Restrained Joint	3,137.90	
33 42 11 00-0211	EA	48" Snap Ring Restrained Joint	3,577.38	
33 42 11 00-0212	EA	54" Snap Ring Restrained Joint	4,030.75	
33 42 11 00-0213	EA	60" Snap Ring Restrained Joint	4,573.63	
33 42 11 00-0214	EA	66" Snap Ring Restrained Joint	5,068.31	
33 42 11 00-0215	EA	72" Snap Ring Restrained Joint	5,659.41	

33 42 11 00-0216 Pipe Repairs *(33 42 11 00-0160)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0217 Lined Cylinder Pipe Repair *(33 42 11 00-0216)*

33 42 11 00-0218	EA	30" Lined Cylinder Pipe Repair	6,491.44	
33 42 11 00-0219	EA	36" Lined Cylinder Pipe Repair	8,040.17	
33 42 11 00-0220	EA	42" Lined Cylinder Pipe Repair	11,260.43	

33 42 11 00-0221 Embedded Cylinder Pipe Repair *(33 42 11 00-0216)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0222	EA	48" Embedded Cylinder Pipe Repair	16,925.43	
33 42 11 00-0223	EA	54" Embedded Cylinder Pipe Repair	19,677.38	
33 42 11 00-0224	EA	60" Embedded Cylinder Pipe Repair	22,447.93	
33 42 11 00-0225	EA	66" Embedded Cylinder Pipe Repair	25,364.35	
33 42 11 00-0226	EA	72" Embedded Cylinder Pipe Repair	30,577.29	

33 42 11 00-0227 High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0228 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0227)*

Note: Excludes couplings and gaskets.

33 42 11 00-0229 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0228)*

33 42 11 00-0230	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.43	7.23
		For <100, Add	*2.89*	
		For >1,000, Deduct	*-1.55*	
33 42 11 00-0231	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.80	8.41
		For <100, Add	*3.36*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0232	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.03	9.78
		For <100, Add	*3.91*	
		For >1,000, Deduct	*-2.33*	
33 42 11 00-0233	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.01	10.13
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.56*	
33 42 11 00-0234	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.65	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.68*	
33 42 11 00-0235	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.37	10.85
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.95*	
33 42 11 00-0236	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.87	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.42*	
33 42 11 00-0237	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.57	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.50*	
33 42 11 00-0238	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.47	17.75
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0239	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.19	22.42
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.20*	

33 42 11 00-0240 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0228)*

33 42 11 00-0241	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.45	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.67*	
33 42 11 00-0242	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.20	10.85
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-3.00*	
33 42 11 00-0243	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.11	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.48*	
33 42 11 00-0244	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.53	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0245	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.83	17.75
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.57*	
33 42 11 00-0246	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.17	22.42
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.40*	
33 42 11 00-0247	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	161.99	24.46
		For <100, Add	*9.78*	
		For >1,000, Deduct	*-10.55*	
33 42 11 00-0248	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.37	27.60
		For <100, Add	*11.04*	
		For >1,000, Deduct	*-11.58*	

33 42 11 00-0249 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0227)*

Note: Excludes couplings and gaskets.

33 42 11 00-0250 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0249)*

33 42 11 00-0251	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.46	7.23
		For <100, Add	*2.89*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0252	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.84	8.41
		For <100, Add	*3.36*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0253	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.03	9.78
		For <100, Add	*3.91*	
		For >1,000, Deduct	*-2.33*	
33 42 11 00-0254	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.04	10.13
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.56*	
33 42 11 00-0255	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.65	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.68*	
33 42 11 00-0256	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.41	10.85
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.96*	
33 42 11 00-0257	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.90	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.42*	
33 42 11 00-0258	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.57	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.50*	
33 42 11 00-0259	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.81	17.75
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.31*	
33 42 11 00-0260	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.19	22.42
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.20*	

33 42 11 00-0261 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0249)*

33 42 11 00-0262	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.48	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.67*	
33 42 11 00-0263	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.23	10.85
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-3.00*	
33 42 11 00-0264	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.14	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0265	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.53	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0266	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.83	17.75
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.57*	
33 42 11 00-0267	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.17	22.42
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.40*	
33 42 11 00-0268	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	161.99	24.46
		For <100, Add	*9.78*	
		For >1,000, Deduct	*-10.55*	
33 42 11 00-0269	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.37	27.60
		For <100, Add	*11.04*	
		For >1,000, Deduct	*-11.58*	

33 42 11 00-0270 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0227)*

Note: Excludes couplings and gaskets.

33 42 11 00-0271 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0270)*

33 42 11 00-0272	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	55.28	25.93
33 42 11 00-0273	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	67.82	30.26
33 42 11 00-0274	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	100.97	36.75
33 42 11 00-0275	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	146.52	45.39
33 42 11 00-0276	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	218.81	54.04
33 42 11 00-0277	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	304.86	70.61
33 42 11 00-0278	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	433.89	95.10
33 42 11 00-0279	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	546.37	108.55
33 42 11 00-0280	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	910.02	125.37
33 42 11 00-0281	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,157.37	144.82
33 42 11 00-0282	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,878.79	172.91
33 42 11 00-0283	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	2,349.95	205.34

33 42 11 00-0284 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0270)*

33 42 11 00-0285	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	72.52	25.93
33 42 11 00-0286	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	86.73	30.26
33 42 11 00-0287	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	112.91	36.75
33 42 11 00-0288	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	159.68	45.39
33 42 11 00-0289	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	261.17	54.04
33 42 11 00-0290	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	291.87	70.61
33 42 11 00-0291	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	408.61	95.10

33 42 11 00-0292 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0270)*

33 42 11 00-0293	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	34.68	17.30
33 42 11 00-0294	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	41.99	20.18
33 42 11 00-0295	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	57.75	24.50
33 42 11 00-0296	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	72.29	30.26
33 42 11 00-0297	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	99.30	36.03
33 42 11 00-0298	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	149.23	46.11
33 42 11 00-0299	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	199.41	63.41
33 42 11 00-0300	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	344.26	72.04
33 42 11 00-0301	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	466.64	83.57
33 42 11 00-0302	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	545.85	96.54
33 42 11 00-0303	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	691.85	115.28
33 42 11 00-0304	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	921.88	136.90

33 42 11 00-0305 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0270)*

33 42 11 00-0306	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	36.57	17.30
33 42 11 00-0307	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	45.91	20.18
33 42 11 00-0308	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	59.76	24.50
33 42 11 00-0309	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	88.61	30.26
33 42 11 00-0310	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	99.30	36.03
33 42 11 00-0311	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	148.90	46.11
33 42 11 00-0312	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	225.72	63.41
33 42 11 00-0313	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	364.59	72.04
33 42 11 00-0314	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	467.60	83.57
33 42 11 00-0315	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	589.66	96.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0316	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	860.95	115.28
33 42 11 00-0317	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,073.45	136.90

33 42 11 00-0318 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0227)*

Note: For single and double wall high-density polyethylene (HDPE) piping.

33 42 11 00-0319 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0318)*

33 42 11 00-0320	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.12
33 42 11 00-0321	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.02
33 42 11 00-0322	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.11
33 42 11 00-0323	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.82
33 42 11 00-0324	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.11
33 42 11 00-0325	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.85
33 42 11 00-0326	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.65
33 42 11 00-0327	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	13.78
33 42 11 00-0328	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	21.15
33 42 11 00-0329	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	27.68
33 42 11 00-0330	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	43.51
33 42 11 00-0331	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	58.85

33 42 11 00-0332 Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0318)*

33 42 11 00-0333	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	59.59
33 42 11 00-0334	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	62.39
33 42 11 00-0335	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	65.33
33 42 11 00-0336	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	68.40
33 42 11 00-0337	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	81.13
33 42 11 00-0338	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	83.76
33 42 11 00-0339	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	87.36
33 42 11 00-0340	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	99.51
33 42 11 00-0341	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	159.52
33 42 11 00-0342	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	174.73
33 42 11 00-0343	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	190.38
33 42 11 00-0344	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	231.22

33 42 11 00-0345 End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0318)*

33 42 11 00-0346	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	35.06
33 42 11 00-0347	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	41.10
33 42 11 00-0348	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	66.27
33 42 11 00-0349	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	112.35
33 42 11 00-0350	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	130.66
33 42 11 00-0351	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	176.44
33 42 11 00-0352	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	182.92

33 42 11 00-0353 Corrugated Metal Piping *(33 42 11)*

33 42 11 00-0354 Galvanized Corrugated Steel Piping *(33 42 11 00-0353)*

33 42 11 00-0355 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*

33 42 11 00-0356 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0355)*

33 42 11 00-0357	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	43.37	10.98
		For Bituminous Coated Pipe, Add	*4.98*	
		For Bituminous Coated And 25% Paved, Add	*10.18*	
		For Smooth-Flo, Add	*18.18*	
33 42 11 00-0358	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	49.49	11.50
		For Bituminous Coated Pipe, Add	*6.26*	
		For Bituminous Coated And 25% Paved, Add	*12.81*	
		For Smooth-Flo, Add	*22.88*	
33 42 11 00-0359	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	55.83	12.55
		For Bituminous Coated Pipe, Add	*7.59*	
		For Bituminous Coated And 25% Paved, Add	*15.52*	
		For Smooth-Flo, Add	*27.71*	
33 42 11 00-0360	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	63.92	13.59
		For Bituminous Coated Pipe, Add	*9.08*	
		For Bituminous Coated And 25% Paved, Add	*18.56*	
		For Smooth-Flo, Add	*33.15*	
33 42 11 00-0361	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	70.88	14.64
		For Bituminous Coated Pipe, Add	*10.21*	
		For Bituminous Coated And 25% Paved, Add	*20.89*	
		For Smooth-Flo, Add	*37.30*	
33 42 11 00-0362	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	93.35	18.81
		For Bituminous Coated Pipe, Add	*13.25*	
		For Bituminous Coated And 25% Paved, Add	*27.10*	
		For Smooth-Flo, Add	*48.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0363	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	121.23	24.60
		For Bituminous Coated Pipe, Add	*16.71*	
		For Bituminous Coated And 25% Paved, Add	*34.18*	
		For Smooth-Flo, Add	*61.05*	
33 42 11 00-0364	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	138.65	29.07
		For Bituminous Coated Pipe, Add	*19.78*	
		For Bituminous Coated And 25% Paved, Add	*40.45*	
		For Smooth-Flo, Add	*72.24*	
33 42 11 00-0365	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	155.75	33.54
		For Bituminous Coated Pipe, Add	*22.15*	
		For Bituminous Coated And 25% Paved, Add	*45.31*	
		For Smooth-Flo, Add	*80.91*	
33 42 11 00-0366		**14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0355)*		
33 42 11 00-0367	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	47.81	10.98
		For Bituminous Coated Pipe, Add	*5.05*	
		For Bituminous Coated And 25% Paved, Add	*11.70*	
		For Smooth-Flo, Add	*23.65*	
33 42 11 00-0368	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.96	11.50
		For Bituminous Coated Pipe, Add	*6.33*	
		For Bituminous Coated And 25% Paved, Add	*14.67*	
		For Smooth-Flo, Add	*29.66*	
33 42 11 00-0369	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	62.45	12.55
		For Bituminous Coated Pipe, Add	*7.67*	
		For Bituminous Coated And 25% Paved, Add	*17.77*	
		For Smooth-Flo, Add	*35.92*	
33 42 11 00-0370	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	71.57	13.59
		For Bituminous Coated Pipe, Add	*9.12*	
		For Bituminous Coated And 25% Paved, Add	*21.13*	
		For Smooth-Flo, Add	*42.71*	
33 42 11 00-0371	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	79.77	14.64
		For Bituminous Coated Pipe, Add	*10.32*	
		For Bituminous Coated And 25% Paved, Add	*23.91*	
		For Smooth-Flo, Add	*48.33*	
33 42 11 00-0372	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	104.20	18.81
		For Bituminous Coated Pipe, Add	*13.25*	
		For Bituminous Coated And 25% Paved, Add	*30.70*	
		For Smooth-Flo, Add	*62.06*	
33 42 11 00-0373	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	134.40	24.60
		For Bituminous Coated Pipe, Add	*16.61*	
		For Bituminous Coated And 25% Paved, Add	*38.48*	
		For Smooth-Flo, Add	*77.79*	
33 42 11 00-0374	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	153.73	29.07
		For Bituminous Coated Pipe, Add	*19.55*	
		For Bituminous Coated And 25% Paved, Add	*45.30*	
		For Smooth-Flo, Add	*91.57*	
33 42 11 00-0375	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	173.01	33.54
		For Bituminous Coated Pipe, Add	*21.98*	
		For Bituminous Coated And 25% Paved, Add	*50.91*	
		For Smooth-Flo, Add	*102.92*	
33 42 11 00-0376	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	207.45	38.02
		For Bituminous Coated Pipe, Add	*27.03*	
		For Bituminous Coated And 25% Paved, Add	*62.61*	
		For Smooth-Flo, Add	*126.57*	
33 42 11 00-0377		**12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0355)*		
33 42 11 00-0378	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	76.14	12.55
		For Bituminous Coated Pipe, Add	*8.78*	
		For Bituminous Coated And 25% Paved, Add	*15.86*	
		For Smooth-Flo, Add	*30.48*	
33 42 11 00-0379	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	87.48	13.59
		For Bituminous Coated Pipe, Add	*10.38*	
		For Bituminous Coated And 25% Paved, Add	*18.75*	
		For Smooth-Flo, Add	*36.03*	
33 42 11 00-0380	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	97.90	13.59
		For Bituminous Coated Pipe, Add	*11.77*	
		For Bituminous Coated And 25% Paved, Add	*21.25*	
		For Smooth-Flo, Add	*40.84*	
33 42 11 00-0381	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	126.62	18.81
		For Bituminous Coated Pipe, Add	*14.96*	
		For Bituminous Coated And 25% Paved, Add	*27.02*	
		For Smooth-Flo, Add	*51.93*	
33 42 11 00-0382	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	161.01	24.60
		For Bituminous Coated Pipe, Add	*18.50*	
		For Bituminous Coated And 25% Paved, Add	*33.41*	
		For Smooth-Flo, Add	*64.22*	
33 42 11 00-0383	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	184.47	29.07
		For Bituminous Coated Pipe, Add	*21.68*	
		For Bituminous Coated And 25% Paved, Add	*39.15*	
		For Smooth-Flo, Add	*75.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0384	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	208.23	33.54
		For Bituminous Coated Pipe, Add	*24.48*	
		For Bituminous Coated And 25% Paved, Add	*44.21*	
		For Smooth-Flo, Add	*84.97*	
33 42 11 00-0385	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	246.34	38.02
		For Bituminous Coated Pipe, Add	*29.36*	
		For Bituminous Coated And 25% Paved, Add	*53.01*	
		For Smooth-Flo, Add	*101.88*	
33 42 11 00-0386	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	269.39	40.25
		For Bituminous Coated Pipe, Add	*32.15*	
		For Bituminous Coated And 25% Paved, Add	*58.06*	
		For Smooth-Flo, Add	*111.57*	
33 42 11 00-0387	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	326.55	49.20
		For Bituminous Coated Pipe, Add	*39.14*	
		For Bituminous Coated And 25% Paved, Add	*70.68*	
		For Smooth-Flo, Add	*135.84*	
33 42 11 00-0388		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0355)*		
33 42 11 00-0389	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	185.90	24.60
		For Bituminous Coated Pipe, Add	*23.54*	
		For Bituminous Coated And 25% Paved, Add	*39.32*	
		For Smooth-Flo, Add	*56.10*	
33 42 11 00-0390	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	213.60	29.07
		For Bituminous Coated Pipe, Add	*27.57*	
		For Bituminous Coated And 25% Paved, Add	*46.06*	
		For Smooth-Flo, Add	*65.72*	
33 42 11 00-0391	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	241.29	33.54
		For Bituminous Coated Pipe, Add	*31.16*	
		For Bituminous Coated And 25% Paved, Add	*52.06*	
		For Smooth-Flo, Add	*74.28*	
33 42 11 00-0392	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	283.38	38.02
		For Bituminous Coated Pipe, Add	*36.91*	
		For Bituminous Coated And 25% Paved, Add	*61.66*	
		For Smooth-Flo, Add	*87.98*	
33 42 11 00-0393	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	310.61	40.25
		For Bituminous Coated Pipe, Add	*40.54*	
		For Bituminous Coated And 25% Paved, Add	*67.72*	
		For Smooth-Flo, Add	*96.62*	
33 42 11 00-0394	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	371.85	49.20
		For Bituminous Coated Pipe, Add	*48.49*	
		For Bituminous Coated And 25% Paved, Add	*81.01*	
		For Smooth-Flo, Add	*115.58*	
33 42 11 00-0395	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	438.14	71.56
		For Bituminous Coated Pipe, Add	*52.07*	
		For Bituminous Coated And 25% Paved, Add	*86.97*	
		For Smooth-Flo, Add	*124.10*	
33 42 11 00-0396		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*		
33 42 11 00-0397		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0396)*		
33 42 11 00-0398	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	144.06	24.60
		For Bituminous Coated Pipe, Add	*18.38*	
		For Bituminous Coated And 25% Paved, Add	*41.72*	
		For Smooth-Flo, Add	*83.07*	
33 42 11 00-0399	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	164.84	29.07
		For Bituminous Coated Pipe, Add	*21.58*	
		For Bituminous Coated And 25% Paved, Add	*48.99*	
		For Smooth-Flo, Add	*97.55*	
33 42 11 00-0400	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	185.25	33.54
		For Bituminous Coated Pipe, Add	*24.21*	
		For Bituminous Coated And 25% Paved, Add	*54.95*	
		For Smooth-Flo, Add	*109.41*	
33 42 11 00-0401	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	221.50	38.02
		For Bituminous Coated Pipe, Add	*29.57*	
		For Bituminous Coated And 25% Paved, Add	*67.12*	
		For Smooth-Flo, Add	*133.65*	
33 42 11 00-0402	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	241.34	40.25
		For Bituminous Coated Pipe, Add	*32.21*	
		For Bituminous Coated And 25% Paved, Add	*73.12*	
		For Smooth-Flo, Add	*145.60*	
33 42 11 00-0403	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	303.20	49.20
		For Bituminous Coated Pipe, Add	*41.38*	
		For Bituminous Coated And 25% Paved, Add	*93.92*	
		For Smooth-Flo, Add	*187.02*	
33 42 11 00-0404	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	362.83	71.56
		For Bituminous Coated Pipe, Add	*44.10*	
		For Bituminous Coated And 25% Paved, Add	*100.12*	
		For Smooth-Flo, Add	*199.35*	
33 42 11 00-0405	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	390.73	78.27
		For Bituminous Coated Pipe, Add	*46.84*	
		For Bituminous Coated And 25% Paved, Add	*106.33*	
		For Smooth-Flo, Add	*211.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0406	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	415.61	83.86
		For Bituminous Coated Pipe, Add	*49.58*	
		For Bituminous Coated And 25% Paved, Add	*112.54*	
		For Smooth-Flo, Add	*224.09*	
33 42 11 00-0407	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	440.53	89.45
		For Bituminous Coated Pipe, Add	*52.33*	
		For Bituminous Coated And 25% Paved, Add	*118.78*	
		For Smooth-Flo, Add	*236.51*	
33 42 11 00-0408	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	466.16	95.04
		For Bituminous Coated Pipe, Add	*55.05*	
		For Bituminous Coated And 25% Paved, Add	*124.97*	
		For Smooth-Flo, Add	*248.84*	
33 42 11 00-0409	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	495.02	100.63
		For Bituminous Coated Pipe, Add	*57.81*	
		For Bituminous Coated And 25% Paved, Add	*131.23*	
		For Smooth-Flo, Add	*261.31*	
33 42 11 00-0410		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0396)*		
33 42 11 00-0411	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	244.79	38.02
		For Bituminous Coated Pipe, Add	*34.23*	
		For Bituminous Coated And 25% Paved, Add	*67.08*	
		For Smooth-Flo, Add	*135.53*	
33 42 11 00-0412	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	267.12	40.25
		For Bituminous Coated Pipe, Add	*37.37*	
		For Bituminous Coated And 25% Paved, Add	*73.24*	
		For Smooth-Flo, Add	*147.98*	
33 42 11 00-0413	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	331.56	49.20
		For Bituminous Coated Pipe, Add	*47.05*	
		For Bituminous Coated And 25% Paved, Add	*92.21*	
		For Smooth-Flo, Add	*186.31*	
33 42 11 00-0414	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	393.71	71.56
		For Bituminous Coated Pipe, Add	*50.28*	
		For Bituminous Coated And 25% Paved, Add	*98.55*	
		For Smooth-Flo, Add	*199.11*	
33 42 11 00-0415	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	424.10	78.27
		For Bituminous Coated Pipe, Add	*53.51*	
		For Bituminous Coated And 25% Paved, Add	*104.89*	
		For Smooth-Flo, Add	*211.92*	
33 42 11 00-0416	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	451.62	83.86
		For Bituminous Coated Pipe, Add	*56.78*	
		For Bituminous Coated And 25% Paved, Add	*111.29*	
		For Smooth-Flo, Add	*224.85*	
33 42 11 00-0417	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	478.96	89.45
		For Bituminous Coated Pipe, Add	*60.01*	
		For Bituminous Coated And 25% Paved, Add	*117.62*	
		For Smooth-Flo, Add	*237.65*	
33 42 11 00-0418	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	507.12	95.04
		For Bituminous Coated Pipe, Add	*63.25*	
		For Bituminous Coated And 25% Paved, Add	*123.96*	
		For Smooth-Flo, Add	*250.45*	
33 42 11 00-0419	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	538.46	100.63
		For Bituminous Coated Pipe, Add	*66.50*	
		For Bituminous Coated And 25% Paved, Add	*130.34*	
		For Smooth-Flo, Add	*263.34*	
33 42 11 00-0420	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	572.39	111.81
		For Bituminous Coated Pipe, Add	*69.75*	
		For Bituminous Coated And 25% Paved, Add	*136.72*	
		For Smooth-Flo, Add	*276.23*	
33 42 11 00-0421	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	605.56	122.99
		For Bituminous Coated Pipe, Add	*72.95*	
		For Bituminous Coated And 25% Paved, Add	*142.98*	
		For Smooth-Flo, Add	*288.87*	
33 42 11 00-0422		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0396)*		
33 42 11 00-0423	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	324.30	40.25
		For Bituminous Coated Pipe, Add	*48.80*	
		For Bituminous Coated And 25% Paved, Add	*92.97*	
		For Smooth-Flo, Add	*151.54*	
33 42 11 00-0424	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	394.89	49.20
		For Bituminous Coated Pipe, Add	*59.71*	
		For Bituminous Coated And 25% Paved, Add	*113.76*	
		For Smooth-Flo, Add	*185.41*	
33 42 11 00-0425	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	462.57	71.56
		For Bituminous Coated Pipe, Add	*64.05*	
		For Bituminous Coated And 25% Paved, Add	*122.02*	
		For Smooth-Flo, Add	*198.88*	
33 42 11 00-0426	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	498.54	78.27
		For Bituminous Coated Pipe, Add	*68.40*	
		For Bituminous Coated And 25% Paved, Add	*130.31*	
		For Smooth-Flo, Add	*212.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0427	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	531.58	83.86
		For Bituminous Coated Pipe, Add	*72.77*	
		For Bituminous Coated And 25% Paved, Add	*138.63*	
		For Smooth-Flo, Add	*225.96*	
33 42 11 00-0428	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	564.50	89.45
		For Bituminous Coated Pipe, Add	*77.12*	
		For Bituminous Coated And 25% Paved, Add	*146.91*	
		For Smooth-Flo, Add	*239.46*	
33 42 11 00-0429	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	598.29	95.04
		For Bituminous Coated Pipe, Add	*81.48*	
		For Bituminous Coated And 25% Paved, Add	*155.22*	
		For Smooth-Flo, Add	*253.00*	
33 42 11 00-0430	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	635.21	100.63
		For Bituminous Coated Pipe, Add	*85.85*	
		For Bituminous Coated And 25% Paved, Add	*163.54*	
		For Smooth-Flo, Add	*266.56*	
33 42 11 00-0431	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	674.62	111.81
		For Bituminous Coated Pipe, Add	*90.20*	
		For Bituminous Coated And 25% Paved, Add	*171.83*	
		For Smooth-Flo, Add	*280.07*	
33 42 11 00-0432	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	713.41	122.99
		For Bituminous Coated Pipe, Add	*94.52*	
		For Bituminous Coated And 25% Paved, Add	*180.06*	
		For Smooth-Flo, Add	*293.48*	
33 42 11 00-0433	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	751.05	134.17
		For Bituminous Coated Pipe, Add	*98.89*	
		For Bituminous Coated And 25% Paved, Add	*188.38*	
		For Smooth-Flo, Add	*307.05*	
33 42 11 00-0434		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0396)*		
33 42 11 00-0435	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	526.78	71.56
		For Bituminous Coated Pipe, Add	*76.89*	
		For Bituminous Coated And 25% Paved, Add	*146.10*	
		For Smooth-Flo, Add	*195.31*	
33 42 11 00-0436	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	568.01	78.27
		For Bituminous Coated Pipe, Add	*82.30*	
		For Bituminous Coated And 25% Paved, Add	*156.36*	
		For Smooth-Flo, Add	*209.03*	
33 42 11 00-0437	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	606.32	83.86
		For Bituminous Coated Pipe, Add	*87.72*	
		For Bituminous Coated And 25% Paved, Add	*166.67*	
		For Smooth-Flo, Add	*222.81*	
33 42 11 00-0438	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	644.52	89.45
		For Bituminous Coated Pipe, Add	*93.12*	
		For Bituminous Coated And 25% Paved, Add	*176.94*	
		For Smooth-Flo, Add	*236.53*	
33 42 11 00-0439	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	683.58	95.04
		For Bituminous Coated Pipe, Add	*98.54*	
		For Bituminous Coated And 25% Paved, Add	*187.22*	
		For Smooth-Flo, Add	*250.29*	
33 42 11 00-0440	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	725.76	100.63
		For Bituminous Coated Pipe, Add	*103.96*	
		For Bituminous Coated And 25% Paved, Add	*197.52*	
		For Smooth-Flo, Add	*264.06*	
33 42 11 00-0441	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	770.44	111.81
		For Bituminous Coated Pipe, Add	*109.36*	
		For Bituminous Coated And 25% Paved, Add	*207.79*	
		For Smooth-Flo, Add	*277.78*	
33 42 11 00-0442	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	814.45	122.99
		For Bituminous Coated Pipe, Add	*114.73*	
		For Bituminous Coated And 25% Paved, Add	*217.98*	
		For Smooth-Flo, Add	*291.40*	
33 42 11 00-0443	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	857.41	134.17
		For Bituminous Coated Pipe, Add	*120.16*	
		For Bituminous Coated And 25% Paved, Add	*228.30*	
		For Smooth-Flo, Add	*305.21*	
33 42 11 00-0444	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	902.33	145.35
		For Bituminous Coated Pipe, Add	*125.54*	
		For Bituminous Coated And 25% Paved, Add	*238.53*	
		For Smooth-Flo, Add	*318.88*	
33 42 11 00-0445	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	950.18	156.53
		For Bituminous Coated Pipe, Add	*130.97*	
		For Bituminous Coated And 25% Paved, Add	*248.84*	
		For Smooth-Flo, Add	*332.65*	
33 42 11 00-0446	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,001.45	167.72
		For Bituminous Coated Pipe, Add	*136.40*	
		For Bituminous Coated And 25% Paved, Add	*259.16*	
		For Smooth-Flo, Add	*346.46*	
33 42 11 00-0447		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0448		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0447)*		
33 42 11 00-0449	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	185.92	33.54
		For Bituminous Coated Pipe, Add	*30.43*	
		For Bituminous Coated And 25% Paved, Add	*69.37*	
		For Smooth-Flo, Add	*110.14*	
33 42 11 00-0450	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	222.79	38.02
		For Bituminous Coated Pipe, Add	*37.28*	
		For Bituminous Coated And 25% Paved, Add	*85.00*	
		For Smooth-Flo, Add	*134.96*	
33 42 11 00-0451	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	242.48	40.25
		For Bituminous Coated Pipe, Add	*40.55*	
		For Bituminous Coated And 25% Paved, Add	*92.45*	
		For Smooth-Flo, Add	*146.79*	
33 42 11 00-0452	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	300.51	49.20
		For Bituminous Coated Pipe, Add	*51.05*	
		For Bituminous Coated And 25% Paved, Add	*116.39*	
		For Smooth-Flo, Add	*184.79*	
33 42 11 00-0453	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	359.83	71.56
		For Bituminous Coated Pipe, Add	*54.38*	
		For Bituminous Coated And 25% Paved, Add	*123.99*	
		For Smooth-Flo, Add	*196.86*	
33 42 11 00-0454	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	387.32	78.27
		For Bituminous Coated Pipe, Add	*57.70*	
		For Bituminous Coated And 25% Paved, Add	*131.55*	
		For Smooth-Flo, Add	*208.86*	
33 42 11 00-0455	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	411.74	83.86
		For Bituminous Coated Pipe, Add	*61.01*	
		For Bituminous Coated And 25% Paved, Add	*139.09*	
		For Smooth-Flo, Add	*220.84*	
33 42 11 00-0456	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	436.09	89.45
		For Bituminous Coated Pipe, Add	*64.30*	
		For Bituminous Coated And 25% Paved, Add	*146.60*	
		For Smooth-Flo, Add	*232.76*	
33 42 11 00-0457	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	461.46	95.04
		For Bituminous Coated Pipe, Add	*67.64*	
		For Bituminous Coated And 25% Paved, Add	*154.22*	
		For Smooth-Flo, Add	*244.87*	
33 42 11 00-0458	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	490.22	100.63
		For Bituminous Coated Pipe, Add	*71.07*	
		For Bituminous Coated And 25% Paved, Add	*162.03*	
		For Smooth-Flo, Add	*257.26*	
33 42 11 00-0459		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0447)*		
33 42 11 00-0460	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	251.92	38.02
		For Bituminous Coated Pipe, Add	*35.65*	
		For Bituminous Coated And 25% Paved, Add	*83.78*	
		For Smooth-Flo, Add	*151.70*	
33 42 11 00-0461	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	274.86	40.25
		For Bituminous Coated Pipe, Add	*38.92*	
		For Bituminous Coated And 25% Paved, Add	*91.45*	
		For Smooth-Flo, Add	*165.59*	
33 42 11 00-0462	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	335.84	49.20
		For Bituminous Coated Pipe, Add	*47.90*	
		For Bituminous Coated And 25% Paved, Add	*112.57*	
		For Smooth-Flo, Add	*203.83*	
33 42 11 00-0463	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	398.00	71.56
		For Bituminous Coated Pipe, Add	*51.14*	
		For Bituminous Coated And 25% Paved, Add	*120.17*	
		For Smooth-Flo, Add	*217.59*	
33 42 11 00-0464	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	428.96	78.27
		For Bituminous Coated Pipe, Add	*54.49*	
		For Bituminous Coated And 25% Paved, Add	*128.04*	
		For Smooth-Flo, Add	*231.84*	
33 42 11 00-0465	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	456.63	83.86
		For Bituminous Coated Pipe, Add	*57.78*	
		For Bituminous Coated And 25% Paved, Add	*135.79*	
		For Smooth-Flo, Add	*245.86*	
33 42 11 00-0466	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	482.58	89.45
		For Bituminous Coated Pipe, Add	*60.74*	
		For Bituminous Coated And 25% Paved, Add	*142.73*	
		For Smooth-Flo, Add	*258.43*	
33 42 11 00-0467	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	512.65	95.04
		For Bituminous Coated Pipe, Add	*64.35*	
		For Bituminous Coated And 25% Paved, Add	*151.23*	
		For Smooth-Flo, Add	*273.82*	
33 42 11 00-0468	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	544.15	100.63
		For Bituminous Coated Pipe, Add	*67.64*	
		For Bituminous Coated And 25% Paved, Add	*158.95*	
		For Smooth-Flo, Add	*287.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0469	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	578.08	111.81
		For Bituminous Coated Pipe, Add	*70.89*	
		For Bituminous Coated And 25% Paved, Add	*166.60*	
		For Smooth-Flo, Add	*301.65*	
33 42 11 00-0470	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	611.96	122.99
		For Bituminous Coated Pipe, Add	*74.23*	
		For Bituminous Coated And 25% Paved, Add	*174.44*	
		For Smooth-Flo, Add	*315.84*	
33 42 11 00-0471		**12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0447)*		
33 42 11 00-0472	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	335.51	40.25
		For Bituminous Coated Pipe, Add	*51.05*	
		For Bituminous Coated And 25% Paved, Add	*96.99*	
		For Smooth-Flo, Add	*175.09*	
33 42 11 00-0473	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	402.63	49.20
		For Bituminous Coated Pipe, Add	*61.26*	
		For Bituminous Coated And 25% Paved, Add	*116.40*	
		For Smooth-Flo, Add	*210.13*	
33 42 11 00-0474	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	471.15	71.56
		For Bituminous Coated Pipe, Add	*65.77*	
		For Bituminous Coated And 25% Paved, Add	*124.96*	
		For Smooth-Flo, Add	*225.58*	
33 42 11 00-0475	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	507.73	78.27
		For Bituminous Coated Pipe, Add	*70.24*	
		For Bituminous Coated And 25% Paved, Add	*133.46*	
		For Smooth-Flo, Add	*240.92*	
33 42 11 00-0476	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	541.08	83.86
		For Bituminous Coated Pipe, Add	*74.67*	
		For Bituminous Coated And 25% Paved, Add	*141.88*	
		For Smooth-Flo, Add	*256.12*	
33 42 11 00-0477	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	574.73	89.45
		For Bituminous Coated Pipe, Add	*79.17*	
		For Bituminous Coated And 25% Paved, Add	*150.42*	
		For Smooth-Flo, Add	*271.54*	
33 42 11 00-0478	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	609.04	95.04
		For Bituminous Coated Pipe, Add	*83.63*	
		For Bituminous Coated And 25% Paved, Add	*158.90*	
		For Smooth-Flo, Add	*286.85*	
33 42 11 00-0479	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	646.37	100.63
		For Bituminous Coated Pipe, Add	*88.08*	
		For Bituminous Coated And 25% Paved, Add	*167.36*	
		For Smooth-Flo, Add	*302.12*	
33 42 11 00-0480	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	686.50	111.81
		For Bituminous Coated Pipe, Add	*92.58*	
		For Bituminous Coated And 25% Paved, Add	*175.89*	
		For Smooth-Flo, Add	*317.54*	
33 42 11 00-0481	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	726.02	122.99
		For Bituminous Coated Pipe, Add	*97.04*	
		For Bituminous Coated And 25% Paved, Add	*184.38*	
		For Smooth-Flo, Add	*332.85*	
33 42 11 00-0482	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	764.12	134.17
		For Bituminous Coated Pipe, Add	*101.50*	
		For Bituminous Coated And 25% Paved, Add	*192.85*	
		For Smooth-Flo, Add	*348.15*	
33 42 11 00-0483		**10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0447)*		
33 42 11 00-0484	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	541.19	71.56
		For Bituminous Coated Pipe, Add	*79.78*	
		For Bituminous Coated And 25% Paved, Add	*151.57*	
		For Smooth-Flo, Add	*238.13*	
33 42 11 00-0485	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	584.29	78.27
		For Bituminous Coated Pipe, Add	*85.55*	
		For Bituminous Coated And 25% Paved, Add	*162.55*	
		For Smooth-Flo, Add	*255.37*	
33 42 11 00-0486	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	623.73	83.86
		For Bituminous Coated Pipe, Add	*91.20*	
		For Bituminous Coated And 25% Paved, Add	*173.28*	
		For Smooth-Flo, Add	*272.24*	
33 42 11 00-0487	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	662.91	89.45
		For Bituminous Coated Pipe, Add	*96.80*	
		For Bituminous Coated And 25% Paved, Add	*183.92*	
		For Smooth-Flo, Add	*288.95*	
33 42 11 00-0488	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	703.20	95.04
		For Bituminous Coated Pipe, Add	*102.46*	
		For Bituminous Coated And 25% Paved, Add	*194.68*	
		For Smooth-Flo, Add	*305.85*	
33 42 11 00-0489	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	746.32	100.63
		For Bituminous Coated Pipe, Add	*108.07*	
		For Bituminous Coated And 25% Paved, Add	*205.34*	
		For Smooth-Flo, Add	*322.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0490	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	792.24	111.81
		For Bituminous Coated Pipe, Add	*113.72*	
		For Bituminous Coated And 25% Paved, Add	*216.08*	
		For Smooth-Flo, Add	*339.47*	
33 42 11 00-0491	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	837.64	122.99
		For Bituminous Coated Pipe, Add	*119.36*	
		For Bituminous Coated And 25% Paved, Add	*226.79*	
		For Smooth-Flo, Add	*356.30*	
33 42 11 00-0492	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	881.48	134.17
		For Bituminous Coated Pipe, Add	*124.97*	
		For Bituminous Coated And 25% Paved, Add	*237.45*	
		For Smooth-Flo, Add	*373.05*	
33 42 11 00-0493	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	936.53	145.35
		For Bituminous Coated Pipe, Add	*132.38*	
		For Bituminous Coated And 25% Paved, Add	*251.53*	
		For Smooth-Flo, Add	*395.16*	
33 42 11 00-0494	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	987.79	156.53
		For Bituminous Coated Pipe, Add	*138.49*	
		For Bituminous Coated And 25% Paved, Add	*263.13*	
		For Smooth-Flo, Add	*413.39*	
33 42 11 00-0495	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,043.60	167.72
		For Bituminous Coated Pipe, Add	*144.83*	
		For Bituminous Coated And 25% Paved, Add	*275.18*	
		For Smooth-Flo, Add	*432.32*	

33 42 11 00-0496 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*

33 42 11 00-0497 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0496)*

33 42 11 00-0498	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	64.72	12.55
		For Bituminous Coated Pipe, Add	*9.38*	
33 42 11 00-0499	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	74.36	13.59
		For Bituminous Coated Pipe, Add	*11.17*	
33 42 11 00-0500	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	83.12	14.64
		For Bituminous Coated Pipe, Add	*12.68*	
33 42 11 00-0501	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	108.75	18.81
		For Bituminous Coated Pipe, Add	*16.34*	
33 42 11 00-0502	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	140.09	24.60
		For Bituminous Coated Pipe, Add	*20.49*	
33 42 11 00-0503	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	160.60	29.07
		For Bituminous Coated Pipe, Add	*24.16*	
33 42 11 00-0504	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	180.91	33.54
		For Bituminous Coated Pipe, Add	*27.19*	
33 42 11 00-0505	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	216.59	38.02
		For Bituminous Coated Pipe, Add	*33.30*	
33 42 11 00-0506	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	236.33	40.25
		For Bituminous Coated Pipe, Add	*36.36*	

33 42 11 00-0507 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0496)*

33 42 11 00-0508	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	71.43	12.55
		For Bituminous Coated Pipe, Add	*10.85*	
33 42 11 00-0509	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	82.21	13.59
		For Bituminous Coated Pipe, Add	*12.89*	
33 42 11 00-0510	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	92.06	14.64
		For Bituminous Coated Pipe, Add	*14.64*	
33 42 11 00-0511	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	119.85	18.81
		For Bituminous Coated Pipe, Add	*18.77*	
33 42 11 00-0512	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	153.47	24.60
		For Bituminous Coated Pipe, Add	*23.40*	
33 42 11 00-0513	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	176.25	29.07
		For Bituminous Coated Pipe, Add	*27.56*	
33 42 11 00-0514	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	198.78	33.54
		For Bituminous Coated Pipe, Add	*31.08*	
33 42 11 00-0515	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	236.68	38.02
		For Bituminous Coated Pipe, Add	*37.66*	
33 42 11 00-0516	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	258.70	40.25
		For Bituminous Coated Pipe, Add	*41.22*	
33 42 11 00-0517	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	317.97	49.20
		For Bituminous Coated Pipe, Add	*51.20*	
33 42 11 00-0518	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	379.15	71.56
		For Bituminous Coated Pipe, Add	*54.71*	
33 42 11 00-0519	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	408.81	78.27
		For Bituminous Coated Pipe, Add	*58.28*	

33 42 11 00-0520 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0496)*

33 42 11 00-0521	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	142.37	18.81
		For Bituminous Coated Pipe, Add	*19.61*	
33 42 11 00-0522	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	180.38	24.60
		For Bituminous Coated Pipe, Add	*24.23*	
33 42 11 00-0523	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	207.76	29.07
		For Bituminous Coated Pipe, Add	*28.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0524	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	234.73	33.54
		For Bituminous Coated Pipe, Add	*32.23*	
33 42 11 00-0525	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	277.18	38.02
		For Bituminous Coated Pipe, Add	*38.47*	
33 42 11 00-0526	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	303.74	40.25
		For Bituminous Coated Pipe, Add	*42.23*	
33 42 11 00-0527	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	367.41	49.20
		For Bituminous Coated Pipe, Add	*51.24*	
33 42 11 00-0528	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	433.02	71.56
		For Bituminous Coated Pipe, Add	*54.94*	
33 42 11 00-0529	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	467.13	78.27
		For Bituminous Coated Pipe, Add	*58.70*	
33 42 11 00-0530	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	498.11	83.86
		For Bituminous Coated Pipe, Add	*62.44*	
33 42 11 00-0531	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	529.02	89.45
		For Bituminous Coated Pipe, Add	*66.17*	
33 42 11 00-0532	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	560.74	95.04
		For Bituminous Coated Pipe, Add	*69.90*	
33 42 11 00-0533	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	593.37	100.63
		For Bituminous Coated Pipe, Add	*73.22*	

33 42 11 00-0534 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*

33 42 11 00-0535 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0536	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.33	6.27
		For Bituminous Coated Pipe, Add	*2.40*	
33 42 11 00-0537	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.33	6.27
		For Bituminous Coated Pipe, Add	*2.89*	
33 42 11 00-0538	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	28.14	7.85
		For Bituminous Coated Pipe, Add	*3.17*	
33 42 11 00-0539	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.68	7.85
		For Bituminous Coated Pipe, Add	*3.79*	
33 42 11 00-0540	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	35.56	9.41
		For Bituminous Coated Pipe, Add	*3.98*	
33 42 11 00-0541	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	38.78	9.41
		For Bituminous Coated Pipe, Add	*4.77*	

33 42 11 00-0542 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0543	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.61	6.27
		For Bituminous Coated Pipe, Add	*2.36*	
33 42 11 00-0544	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.54	6.27
		For Bituminous Coated Pipe, Add	*2.82*	
33 42 11 00-0545	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	28.42	7.85
		For Bituminous Coated Pipe, Add	*3.11*	
33 42 11 00-0546	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	31.11	7.85
		For Bituminous Coated Pipe, Add	*3.74*	
33 42 11 00-0547	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	36.04	9.41
		For Bituminous Coated Pipe, Add	*3.93*	
33 42 11 00-0548	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	39.34	9.41
		For Bituminous Coated Pipe, Add	*4.71*	

33 42 11 00-0549 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0534)*

33 42 11 00-0550	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.80	
		For Bituminous Coated Pipe, Add	*3.33*	
33 42 11 00-0551	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	19.59	
		For Bituminous Coated Pipe, Add	*4.41*	
33 42 11 00-0552	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.02	
		For Bituminous Coated Pipe, Add	*5.40*	
33 42 11 00-0553	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	53.37	
		For Bituminous Coated Pipe, Add	*7.37*	
33 42 11 00-0554	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.66	
		For Bituminous Coated Pipe, Add	*1.68*	
33 42 11 00-0555	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.71	
		For Bituminous Coated Pipe, Add	*2.52*	

33 42 11 00-0556 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0354)*

33 42 11 00-0557 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*

33 42 11 00-0558	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	72.74	10.98
33 42 11 00-0559	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	86.51	11.50
33 42 11 00-0560	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	100.72	12.55
33 42 11 00-0561	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	117.56	13.59
33 42 11 00-0562	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	131.33	14.64
33 42 11 00-0563	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	171.65	18.81
33 42 11 00-0564	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	220.11	24.60
33 42 11 00-0565	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	255.60	29.07
33 42 11 00-0566	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	286.79	33.54

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0567		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*		
33 42 11 00-0568	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	83.55	10.98
33 42 11 00-0569	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	99.90	11.50
33 42 11 00-0570	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	116.76	12.55
33 42 11 00-0571	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	136.14	13.59
33 42 11 00-0572	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	152.90	14.64
33 42 11 00-0573	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	198.13	18.81
33 42 11 00-0574	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	252.07	24.60
33 42 11 00-0575	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	292.28	29.07
33 42 11 00-0576	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	328.65	33.54
33 42 11 00-0577	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	398.90	38.02
33 42 11 00-0578		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*		
33 42 11 00-0579	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	150.19	12.55
33 42 11 00-0580	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	175.16	13.59
33 42 11 00-0581	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	197.27	14.64
33 42 11 00-0582	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	253.57	18.81
33 42 11 00-0583	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	305.00	24.60
33 42 11 00-0584	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	369.83	29.07
33 42 11 00-0585	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	417.14	33.54
33 42 11 00-0586	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	499.88	38.02
33 42 11 00-0587	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	546.29	40.25
33 42 11 00-0588	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	669.51	49.20
33 42 11 00-0589		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*		
33 42 11 00-0590	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	379.36	24.60
33 42 11 00-0591	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	440.47	29.07
33 42 11 00-0592	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	497.39	33.54
33 42 11 00-0593	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	589.76	38.02
33 42 11 00-0594	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	646.36	40.25
33 42 11 00-0595	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	779.41	49.20
33 42 11 00-0596	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	874.68	71.56
33 42 11 00-0597		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0354)*		
33 42 11 00-0598		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0597)*		
33 42 11 00-0599	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	281.48	24.60
33 42 11 00-0600	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	326.36	29.07
33 42 11 00-0601	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	366.12	33.54
33 42 11 00-0602	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	444.02	38.02
33 42 11 00-0603	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	483.46	40.25
33 42 11 00-0604	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	616.91	49.20
33 42 11 00-0605	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	696.79	71.56
33 42 11 00-0606	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	744.88	78.27
33 42 11 00-0607	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	790.05	83.86
33 42 11 00-0608	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	835.26	89.45
33 42 11 00-0609	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	881.12	95.04
33 42 11 00-0610	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	930.36	100.63
33 42 11 00-0611		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0597)*		
33 42 11 00-0612	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	501.81	38.02
33 42 11 00-0613	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	547.34	40.25
33 42 11 00-0614	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	687.27	49.20
33 42 11 00-0615	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	773.31	71.56
33 42 11 00-0616	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	827.65	78.27
33 42 11 00-0617	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	879.31	83.86
33 42 11 00-0618	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	930.59	89.45
33 42 11 00-0619	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	982.65	95.04
33 42 11 00-0620	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,038.19	100.63
33 42 11 00-0621	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,096.16	111.81
33 42 11 00-0622	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,152.92	122.99
33 42 11 00-0623		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0597)*		
33 42 11 00-0624	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	692.66	40.25
33 42 11 00-0625	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	848.94	49.20
33 42 11 00-0626	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	949.00	71.56
33 42 11 00-0627	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,017.42	78.27
33 42 11 00-0628	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,083.10	83.86
33 42 11 00-0629	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,148.48	89.45
33 42 11 00-0630	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,214.75	95.04
33 42 11 00-0631	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,284.28	100.63
33 42 11 00-0632	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,356.15	111.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0633	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,427.21	122.99
33 42 11 00-0634	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,497.48	134.17
33 42 11 00-0635		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0597)*		
33 42 11 00-0636	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,109.08	71.56
33 42 11 00-0637	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,190.55	78.27
33 42 11 00-0638	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,269.38	83.86
33 42 11 00-0639	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,347.86	89.45
33 42 11 00-0640	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,427.30	95.04
33 42 11 00-0641	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,509.97	100.63
33 42 11 00-0642	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,594.99	111.81
33 42 11 00-0643	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,679.11	122.99
33 42 11 00-0644	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,762.52	134.17
33 42 11 00-0645	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,847.66	145.35
33 42 11 00-0646	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,935.99	156.53
33 42 11 00-0647	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,027.75	167.72
33 42 11 00-0648		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0354)*		
33 42 11 00-0649		**16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0648)*		
33 42 11 00-0650	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	353.66	33.54
33 42 11 00-0651	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	430.30	38.02
33 42 11 00-0652	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	467.75	40.25
33 42 11 00-0653	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	587.71	49.20
33 42 11 00-0654	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	665.20	71.56
33 42 11 00-0655	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	710.80	78.27
33 42 11 00-0656	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	753.16	83.86
33 42 11 00-0657	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	795.40	89.45
33 42 11 00-0658	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	838.91	95.04
33 42 11 00-0659	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	886.40	100.63
33 42 11 00-0660		**14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0648)*		
33 42 11 00-0661	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	498.95	38.02
33 42 11 00-0662	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	544.20	40.25
33 42 11 00-0663	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	671.09	49.20
33 42 11 00-0664	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	755.30	71.56
33 42 11 00-0665	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	809.03	78.27
33 42 11 00-0666	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	859.04	83.86
33 42 11 00-0667	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	905.11	89.45
33 42 11 00-0668	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	959.76	95.04
33 42 11 00-0669	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,013.65	100.63
33 42 11 00-0670	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,069.66	111.81
33 42 11 00-0671	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,126.24	122.99
33 42 11 00-0672		**12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0648)*		
33 42 11 00-0673	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	697.43	40.25
33 42 11 00-0674	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	840.62	49.20
33 42 11 00-0675	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	940.84	71.56
33 42 11 00-0676	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,008.66	78.27
33 42 11 00-0677	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,073.03	83.86
33 42 11 00-0678	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,138.23	89.45
33 42 11 00-0679	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,203.83	95.04
33 42 11 00-0680	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,272.29	100.63
33 42 11 00-0681	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,343.95	111.81
33 42 11 00-0682	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,414.75	122.99
33 42 11 00-0683	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,484.10	134.17
33 42 11 00-0684		**10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0648)*		
33 42 11 00-0685	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,109.01	71.56
33 42 11 00-0686	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,192.48	78.27
33 42 11 00-0687	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,271.59	83.86
33 42 11 00-0688	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,350.02	89.45
33 42 11 00-0689	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,429.86	95.04
33 42 11 00-0690	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,512.38	100.63
33 42 11 00-0691	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,597.80	111.81
33 42 11 00-0692	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,682.72	122.99
33 42 11 00-0693	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,765.94	134.17
33 42 11 00-0694	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,872.84	145.35
33 42 11 00-0695	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,966.93	156.53
33 42 11 00-0696	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,067.15	167.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0697		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0353)*		
33 42 11 00-0698		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0697)*		
33 42 11 00-0699		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0698)*		
33 42 11 00-0700	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	50.99	11.50
		For Bituminous Coated Pipe, Add	*6.82*	
		For Bituminous Coated And 25% Paved, Add	*16.48*	
		For Smooth-Flo, Add	*27.19*	
33 42 11 00-0701	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	57.18	12.55
		For Bituminous Coated Pipe, Add	*8.14*	
		For Bituminous Coated And 25% Paved, Add	*19.69*	
		For Smooth-Flo, Add	*32.47*	
33 42 11 00-0702	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	65.78	13.59
		For Bituminous Coated Pipe, Add	*9.80*	
		For Bituminous Coated And 25% Paved, Add	*23.69*	
		For Smooth-Flo, Add	*39.08*	
33 42 11 00-0703	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	74.03	14.64
		For Bituminous Coated Pipe, Add	*11.29*	
		For Bituminous Coated And 25% Paved, Add	*27.30*	
		For Smooth-Flo, Add	*45.03*	
33 42 11 00-0704	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	96.20	18.81
		For Bituminous Coated Pipe, Add	*14.34*	
		For Bituminous Coated And 25% Paved, Add	*34.68*	
		For Smooth-Flo, Add	*57.20*	
33 42 11 00-0705	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	126.45	24.60
		For Bituminous Coated Pipe, Add	*18.50*	
		For Bituminous Coated And 25% Paved, Add	*44.72*	
		For Smooth-Flo, Add	*73.76*	
33 42 11 00-0706		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0698)*		
33 42 11 00-0707	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	56.51	11.50
		For Bituminous Coated Pipe, Add	*7.07*	
		For Bituminous Coated And 25% Paved, Add	*16.55*	
		For Smooth-Flo, Add	*27.14*	
33 42 11 00-0708	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	63.94	12.55
		For Bituminous Coated Pipe, Add	*8.48*	
		For Bituminous Coated And 25% Paved, Add	*19.85*	
		For Smooth-Flo, Add	*32.55*	
33 42 11 00-0709	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	73.32	13.59
		For Bituminous Coated Pipe, Add	*10.08*	
		For Bituminous Coated And 25% Paved, Add	*23.59*	
		For Smooth-Flo, Add	*38.69*	
33 42 11 00-0710	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	82.76	14.64
		For Bituminous Coated Pipe, Add	*11.63*	
		For Bituminous Coated And 25% Paved, Add	*27.20*	
		For Smooth-Flo, Add	*44.62*	
33 42 11 00-0711	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	107.09	18.81
		For Bituminous Coated Pipe, Add	*14.73*	
		For Bituminous Coated And 25% Paved, Add	*34.45*	
		For Smooth-Flo, Add	*56.50*	
33 42 11 00-0712	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	139.42	24.60
		For Bituminous Coated Pipe, Add	*18.76*	
		For Bituminous Coated And 25% Paved, Add	*43.89*	
		For Smooth-Flo, Add	*71.98*	
33 42 11 00-0713	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	160.86	29.07
		For Bituminous Coated Pipe, Add	*22.34*	
		For Bituminous Coated And 25% Paved, Add	*52.28*	
		For Smooth-Flo, Add	*85.74*	
33 42 11 00-0714		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0698)*		
33 42 11 00-0715	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	83.60	13.42
		For Bituminous Coated Pipe, Add	*9.18*	
		For Bituminous Coated And 25% Paved, Add	*20.42*	
		For Smooth-Flo, Add	*31.41*	
33 42 11 00-0716	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	95.88	14.53
		For Bituminous Coated Pipe, Add	*10.89*	
		For Bituminous Coated And 25% Paved, Add	*24.22*	
		For Smooth-Flo, Add	*37.25*	
33 42 11 00-0717	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	107.94	15.65
		For Bituminous Coated Pipe, Add	*12.48*	
		For Bituminous Coated And 25% Paved, Add	*27.78*	
		For Smooth-Flo, Add	*42.72*	
33 42 11 00-0718	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	139.02	20.12
		For Bituminous Coated Pipe, Add	*15.72*	
		For Bituminous Coated And 25% Paved, Add	*34.98*	
		For Smooth-Flo, Add	*53.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0719	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	165.86	24.60
		For Bituminous Coated Pipe, Add	*19.67*	
		For Bituminous Coated And 25% Paved, Add	*43.77*	
		For Smooth-Flo, Add	*67.30*	
33 42 11 00-0720	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	191.39	29.07
		For Bituminous Coated Pipe, Add	*23.26*	
		For Bituminous Coated And 25% Paved, Add	*51.77*	
		For Smooth-Flo, Add	*79.60*	
33 42 11 00-0721	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	223.68	33.54
		For Bituminous Coated Pipe, Add	*27.59*	
		For Bituminous Coated And 25% Paved, Add	*61.39*	
		For Smooth-Flo, Add	*94.40*	
33 42 11 00-0722	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	249.75	38.02
		For Bituminous Coated Pipe, Add	*30.46*	
		For Bituminous Coated And 25% Paved, Add	*67.79*	
		For Smooth-Flo, Add	*104.25*	
33 42 11 00-0723		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0698)*		
33 42 11 00-0724	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	190.76	24.60
		For Bituminous Coated Pipe, Add	*23.70*	
		For Bituminous Coated And 25% Paved, Add	*49.89*	
		For Smooth-Flo, Add	*62.92*	
33 42 11 00-0725	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	220.42	29.07
		For Bituminous Coated Pipe, Add	*27.96*	
		For Bituminous Coated And 25% Paved, Add	*58.86*	
		For Smooth-Flo, Add	*74.22*	
33 42 11 00-0726	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	256.58	33.54
		For Bituminous Coated Pipe, Add	*32.89*	
		For Bituminous Coated And 25% Paved, Add	*69.25*	
		For Smooth-Flo, Add	*87.33*	
33 42 11 00-0727	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	286.94	38.02
		For Bituminous Coated Pipe, Add	*36.47*	
		For Bituminous Coated And 25% Paved, Add	*76.78*	
		For Smooth-Flo, Add	*96.83*	
33 42 11 00-0728	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	314.43	40.25
		For Bituminous Coated Pipe, Add	*40.04*	
		For Bituminous Coated And 25% Paved, Add	*84.29*	
		For Smooth-Flo, Add	*106.30*	
33 42 11 00-0729		**3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0697)*		
33 42 11 00-0730		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0729)*		
33 42 11 00-0731	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	249.39	38.02
		For Bituminous Coated Pipe, Add	*35.15*	
		For Bituminous Coated And 25% Paved, Add	*106.84*	
		For Smooth-Flo, Add	*119.50*	
33 42 11 00-0732	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	272.59	40.25
		For Bituminous Coated Pipe, Add	*38.46*	
		For Bituminous Coated And 25% Paved, Add	*116.92*	
		For Smooth-Flo, Add	*130.77*	
33 42 11 00-0733	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	337.86	49.20
		For Bituminous Coated Pipe, Add	*48.31*	
		For Bituminous Coated And 25% Paved, Add	*146.86*	
		For Smooth-Flo, Add	*164.25*	
33 42 11 00-0734	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	401.26	71.56
		For Bituminous Coated Pipe, Add	*51.79*	
		For Bituminous Coated And 25% Paved, Add	*157.44*	
		For Smooth-Flo, Add	*176.09*	
33 42 11 00-0735	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	433.76	78.27
		For Bituminous Coated Pipe, Add	*55.45*	
		For Bituminous Coated And 25% Paved, Add	*168.56*	
		For Smooth-Flo, Add	*188.52*	
33 42 11 00-0736	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	463.34	83.86
		For Bituminous Coated Pipe, Add	*59.12*	
		For Bituminous Coated And 25% Paved, Add	*179.74*	
		For Smooth-Flo, Add	*201.02*	
33 42 11 00-0737	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	492.81	89.45
		For Bituminous Coated Pipe, Add	*62.78*	
		For Bituminous Coated And 25% Paved, Add	*190.86*	
		For Smooth-Flo, Add	*213.46*	
33 42 11 00-0738	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	523.03	95.04
		For Bituminous Coated Pipe, Add	*66.43*	
		For Bituminous Coated And 25% Paved, Add	*201.94*	
		For Smooth-Flo, Add	*225.86*	
33 42 11 00-0739		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0729)*		
33 42 11 00-0740	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	329.83	40.25
		For Bituminous Coated Pipe, Add	*49.91*	
		For Bituminous Coated And 25% Paved, Add	*130.76*	
		For Smooth-Flo, Add	*154.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0741	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	401.34	49.20
		For Bituminous Coated Pipe, Add	*61.00*	
		For Bituminous Coated And 25% Paved, Add	*159.83*	
		For Smooth-Flo, Add	*189.11*	
33 42 11 00-0742	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	470.37	71.56
		For Bituminous Coated Pipe, Add	*65.61*	
		For Bituminous Coated And 25% Paved, Add	*171.90*	
		For Smooth-Flo, Add	*203.40*	
33 42 11 00-0743	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	508.46	78.27
		For Bituminous Coated Pipe, Add	*70.39*	
		For Bituminous Coated And 25% Paved, Add	*184.41*	
		For Smooth-Flo, Add	*218.20*	
33 42 11 00-0744	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	543.61	83.86
		For Bituminous Coated Pipe, Add	*75.18*	
		For Bituminous Coated And 25% Paved, Add	*196.97*	
		For Smooth-Flo, Add	*233.05*	
33 42 11 00-0745	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	578.71	89.45
		For Bituminous Coated Pipe, Add	*79.96*	
		For Bituminous Coated And 25% Paved, Add	*209.50*	
		For Smooth-Flo, Add	*247.88*	
33 42 11 00-0746	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	614.51	95.04
		For Bituminous Coated Pipe, Add	*84.72*	
		For Bituminous Coated And 25% Paved, Add	*221.98*	
		For Smooth-Flo, Add	*262.64*	
33 42 11 00-0747	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	653.65	100.63
		For Bituminous Coated Pipe, Add	*89.54*	
		For Bituminous Coated And 25% Paved, Add	*234.59*	
		For Smooth-Flo, Add	*277.57*	
33 42 11 00-0748	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	695.23	111.81
		For Bituminous Coated Pipe, Add	*94.32*	
		For Bituminous Coated And 25% Paved, Add	*247.12*	
		For Smooth-Flo, Add	*292.40*	
33 42 11 00-0749	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	738.72	122.99
		For Bituminous Coated Pipe, Add	*99.58*	
		For Bituminous Coated And 25% Paved, Add	*260.90*	
		For Smooth-Flo, Add	*308.70*	
33 42 11 00-0750		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0729)*		
33 42 11 00-0751	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	534.58	71.56
		For Bituminous Coated Pipe, Add	*78.45*	
		For Bituminous Coated And 25% Paved, Add	*186.72*	
		For Smooth-Flo, Add	*202.80*	
33 42 11 00-0752	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	577.98	78.27
		For Bituminous Coated Pipe, Add	*84.29*	
		For Bituminous Coated And 25% Paved, Add	*200.61*	
		For Smooth-Flo, Add	*217.89*	
33 42 11 00-0753	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	618.41	83.86
		For Bituminous Coated Pipe, Add	*90.14*	
		For Bituminous Coated And 25% Paved, Add	*214.53*	
		For Smooth-Flo, Add	*233.01*	
33 42 11 00-0754	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	658.67	89.45
		For Bituminous Coated Pipe, Add	*95.95*	
		For Bituminous Coated And 25% Paved, Add	*228.37*	
		For Smooth-Flo, Add	*248.04*	
33 42 11 00-0755	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	699.80	95.04
		For Bituminous Coated Pipe, Add	*101.78*	
		For Bituminous Coated And 25% Paved, Add	*242.24*	
		For Smooth-Flo, Add	*263.11*	
33 42 11 00-0756	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	744.15	100.63
		For Bituminous Coated Pipe, Add	*107.64*	
		For Bituminous Coated And 25% Paved, Add	*256.18*	
		For Smooth-Flo, Add	*278.24*	
33 42 11 00-0757	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	791.00	111.81
		For Bituminous Coated Pipe, Add	*113.48*	
		For Bituminous Coated And 25% Paved, Add	*270.07*	
		For Smooth-Flo, Add	*293.34*	
33 42 11 00-0758	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	839.35	122.99
		For Bituminous Coated Pipe, Add	*119.71*	
		For Bituminous Coated And 25% Paved, Add	*284.90*	
		For Smooth-Flo, Add	*309.44*	
33 42 11 00-0759	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	892.53	134.17
		For Bituminous Coated Pipe, Add	*127.18*	
		For Bituminous Coated And 25% Paved, Add	*302.70*	
		For Smooth-Flo, Add	*328.77*	
33 42 11 00-0760		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0697)*		
33 42 11 00-0761		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0760)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0762	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	476.67	71.56
		For Bituminous Coated Pipe, Add	*66.87*	
		For Bituminous Coated And 25% Paved, Add	*163.17*	
		For Smooth-Flo, Add	*207.64*	
33 42 11 00-0763	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	514.14	78.27
		For Bituminous Coated Pipe, Add	*71.52*	
		For Bituminous Coated And 25% Paved, Add	*174.51*	
		For Smooth-Flo, Add	*222.08*	
33 42 11 00-0764	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	548.31	83.86
		For Bituminous Coated Pipe, Add	*76.12*	
		For Bituminous Coated And 25% Paved, Add	*185.73*	
		For Smooth-Flo, Add	*236.35*	
33 42 11 00-0765	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	582.48	89.45
		For Bituminous Coated Pipe, Add	*80.72*	
		For Bituminous Coated And 25% Paved, Add	*196.95*	
		For Smooth-Flo, Add	*250.62*	
33 42 11 00-0766	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	617.61	95.04
		For Bituminous Coated Pipe, Add	*85.34*	
		For Bituminous Coated And 25% Paved, Add	*208.24*	
		For Smooth-Flo, Add	*264.99*	
33 42 11 00-0767	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	656.24	100.63
		For Bituminous Coated Pipe, Add	*90.06*	
		For Bituminous Coated And 25% Paved, Add	*219.74*	
		For Smooth-Flo, Add	*279.62*	
33 42 11 00-0768	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	697.30	111.81
		For Bituminous Coated Pipe, Add	*94.74*	
		For Bituminous Coated And 25% Paved, Add	*231.16*	
		For Smooth-Flo, Add	*294.16*	
33 42 11 00-0769	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	743.84	122.99
		For Bituminous Coated Pipe, Add	*100.60*	
		For Bituminous Coated And 25% Paved, Add	*245.47*	
		For Smooth-Flo, Add	*312.38*	
33 42 11 00-0770		**10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0760)*		
33 42 11 00-0771	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	547.75	71.56
		For Bituminous Coated Pipe, Add	*81.09*	
		For Bituminous Coated And 25% Paved, Add	*183.26*	
		For Smooth-Flo, Add	*199.07*	
33 42 11 00-0772	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	590.90	78.27
		For Bituminous Coated Pipe, Add	*86.87*	
		For Bituminous Coated And 25% Paved, Add	*196.34*	
		For Smooth-Flo, Add	*213.28*	
33 42 11 00-0773	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	630.86	83.86
		For Bituminous Coated Pipe, Add	*92.63*	
		For Bituminous Coated And 25% Paved, Add	*209.34*	
		For Smooth-Flo, Add	*227.40*	
33 42 11 00-0774	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	670.97	89.45
		For Bituminous Coated Pipe, Add	*98.41*	
		For Bituminous Coated And 25% Paved, Add	*222.42*	
		For Smooth-Flo, Add	*241.61*	
33 42 11 00-0775	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	710.90	95.04
		For Bituminous Coated Pipe, Add	*104.00*	
		For Bituminous Coated And 25% Paved, Add	*235.04*	
		For Smooth-Flo, Add	*255.32*	
33 42 11 00-0776	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	756.09	100.63
		For Bituminous Coated Pipe, Add	*110.03*	
		For Bituminous Coated And 25% Paved, Add	*248.66*	
		For Smooth-Flo, Add	*270.11*	
33 42 11 00-0777	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	803.03	111.81
		For Bituminous Coated Pipe, Add	*115.88*	
		For Bituminous Coated And 25% Paved, Add	*261.89*	
		For Smooth-Flo, Add	*284.49*	
33 42 11 00-0778	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	855.41	122.99
		For Bituminous Coated Pipe, Add	*122.92*	
		For Bituminous Coated And 25% Paved, Add	*277.79*	
		For Smooth-Flo, Add	*301.76*	
33 42 11 00-0779	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	904.42	134.17
		For Bituminous Coated Pipe, Add	*129.56*	
		For Bituminous Coated And 25% Paved, Add	*292.81*	
		For Smooth-Flo, Add	*318.07*	
33 42 11 00-0780		**2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0697)*		
33 42 11 00-0781		**16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0780)*		
33 42 11 00-0782	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	86.60	11.50
33 42 11 00-0783	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	99.75	12.55
33 42 11 00-0784	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	117.14	13.59
33 42 11 00-0785	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	133.30	14.64
33 42 11 00-0786	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	171.70	18.81
33 42 11 00-0787	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	224.53	24.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0788		**14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0780)*		
33 42 11 00-0789	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	99.32	11.50
33 42 11 00-0790	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	115.27	12.55
33 42 11 00-0791	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	134.48	13.59
33 42 11 00-0792	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	153.46	14.64
33 42 11 00-0793	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	196.76	18.81
33 42 11 00-0794	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	254.33	24.60
33 42 11 00-0795	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	298.05	29.07
33 42 11 00-0796		**12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0780)*		
33 42 11 00-0797	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	153.35	12.55
33 42 11 00-0798	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	179.58	13.59
33 42 11 00-0799	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	204.53	14.64
33 42 11 00-0800	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	260.49	18.81
33 42 11 00-0801	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	331.32	24.60
33 42 11 00-0802	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	387.70	29.07
33 42 11 00-0803	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	458.08	33.54
33 42 11 00-0804	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	507.90	38.02
33 42 11 00-0805		**10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0780)*		
33 42 11 00-0806	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	391.71	24.60
33 42 11 00-0807	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	458.16	29.07
33 42 11 00-0808	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	537.95	33.54
33 42 11 00-0809	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	598.20	38.02
33 42 11 00-0810	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	655.45	40.25
33 42 11 00-0811		**3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0697)*		
33 42 11 00-0812		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0811)*		
33 42 11 00-0813	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	513.15	38.02
33 42 11 00-0814	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	560.68	40.25
33 42 11 00-0815	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	702.75	49.20
33 42 11 00-0816	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	791.91	71.56
33 42 11 00-0817	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	851.52	78.27
33 42 11 00-0818	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	908.30	83.86
33 42 11 00-0819	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	964.80	89.45
33 42 11 00-0820	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,022.24	95.04
33 42 11 00-0821		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0811)*		
33 42 11 00-0822	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	706.28	40.25
33 42 11 00-0823	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	864.84	49.20
33 42 11 00-0824	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	968.31	71.56
33 42 11 00-0825	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,041.99	78.27
33 42 11 00-0826	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,112.90	83.86
33 42 11 00-0827	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,183.70	89.45
33 42 11 00-0828	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,255.13	95.04
33 42 11 00-0829	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,330.12	100.63
33 42 11 00-0830	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,407.41	111.81
33 42 11 00-0831	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,490.18	122.99
33 42 11 00-0832		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0811)*		
33 42 11 00-0833	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,128.35	71.56
33 42 11 00-0834	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,215.26	78.27
33 42 11 00-0835	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,299.39	83.86
33 42 11 00-0836	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,383.05	89.45
33 42 11 00-0837	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,467.65	95.04
33 42 11 00-0838	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,555.74	100.63
33 42 11 00-0839	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,646.20	111.81
33 42 11 00-0840	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,740.99	122.99
33 42 11 00-0841	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,849.97	134.17
33 42 11 00-0842		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0697)*		
33 42 11 00-0843		**12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0842)*		
33 42 11 00-0844	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	953.92	71.56
33 42 11 00-0845	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,024.00	78.27
33 42 11 00-0846	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,090.42	83.86
33 42 11 00-0847	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,156.74	89.45
33 42 11 00-0848	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,224.28	95.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0849	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,295.93	100.63
33 42 11 00-0850	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,369.75	111.81
33 42 11 00-0851	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,457.38	122.99
33 42 11 00-0852		**10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0842)*		
33 42 11 00-0853	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,124.61	71.56
33 42 11 00-0854	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,208.24	78.27
33 42 11 00-0855	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,288.51	83.86
33 42 11 00-0856	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,369.15	89.45
33 42 11 00-0857	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,448.34	95.04
33 42 11 00-0858	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,535.63	100.63
33 42 11 00-0859	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,623.65	111.81
33 42 11 00-0860	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,725.49	122.99
33 42 11 00-0861	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,820.77	134.17
33 42 11 00-0862		**Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0353)*		
33 42 11 00-0863		**2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0862)*		
33 42 11 00-0864		**16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0863)*		
33 42 11 00-0865	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	47.91	10.98
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.14*	
33 42 11 00-0866	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.22	11.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.77*	
33 42 11 00-0867	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.81	12.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.49*	
33 42 11 00-0868	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.24	13.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.51*	
33 42 11 00-0869	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.28	14.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.85*	
33 42 11 00-0870	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	105.54	18.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.04*	
33 42 11 00-0871	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	136.63	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.12*	
33 42 11 00-0872	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.83	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.36*	
33 42 11 00-0873	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	176.16	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.22*	
33 42 11 00-0874		**14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0863)*		
33 42 11 00-0875	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	53.39	10.98
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.63*	
33 42 11 00-0876	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	61.99	11.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.09*	
33 42 11 00-0877	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.87	12.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.61*	
33 42 11 00-0878	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	81.59	13.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.38*	
33 42 11 00-0879	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.13	14.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.67*	
33 42 11 00-0880	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	118.82	18.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.27*	
33 42 11 00-0881	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	152.69	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.66*	
33 42 11 00-0882	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.32	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.29*	
33 42 11 00-0883	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.23	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.90*	
33 42 11 00-0884	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	237.20	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.52*	
33 42 11 00-0885		**12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0863)*		
33 42 11 00-0886	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.81	12.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.62*	
33 42 11 00-0887	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.37	13.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.11*	
33 42 11 00-0888	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	113.60	14.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.26*	
33 42 11 00-0889	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.87	18.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.28*	
33 42 11 00-0890	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.52	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0891	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	214.53	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.88*	
33 42 11 00-0892	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.96	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.21*	
33 42 11 00-0893	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	288.29	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.15*	
33 42 11 00-0894	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	314.95	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.45*	
33 42 11 00-0895	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	384.92	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.05*	

33 42 11 00-0896 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0863)*

33 42 11 00-0897	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.95	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.64*	
33 42 11 00-0898	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	250.12	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.09*	
33 42 11 00-0899	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	282.36	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.88*	
33 42 11 00-0900	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	333.59	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.91*	
33 42 11 00-0901	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	365.36	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*54.74*	
33 42 11 00-0902	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	440.29	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.04*	
33 42 11 00-0903	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	511.07	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.80*	

33 42 11 00-0904 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0862)*

33 42 11 00-0905 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0904)*

33 42 11 00-0906	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	160.54	24.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.93*	
33 42 11 00-0907	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	184.21	29.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.55*	
33 42 11 00-0908	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	206.94	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.95*	
33 42 11 00-0909	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	248.00	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.02*	
33 42 11 00-0910	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	270.22	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.48*	
33 42 11 00-0911	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.29	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*85.39*	
33 42 11 00-0912	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	402.34	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*91.01*	
33 42 11 00-0913	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	432.68	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.65*	
33 42 11 00-0914	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	460.04	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.31*	
33 42 11 00-0915	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	487.38	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*107.97*	
33 42 11 00-0916	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	515.49	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*113.61*	
33 42 11 00-0917	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	546.83	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.30*	

33 42 11 00-0918 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0904)*

33 42 11 00-0919	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.48	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.88*	
33 42 11 00-0920	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	300.59	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*57.72*	
33 42 11 00-0921	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	373.71	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.68*	
33 42 11 00-0922	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	438.76	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.67*	
33 42 11 00-0923	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	472.04	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.66*	
33 42 11 00-0924	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	502.50	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.71*	
33 42 11 00-0925	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	532.74	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.71*	
33 42 11 00-0926	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	563.79	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.70*	
33 42 11 00-0927	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	598.07	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.73*	
33 42 11 00-0928	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	634.90	111.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*107.76*	
33 42 11 00-0929	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	670.95	122.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0930		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0904)*		
33 42 11 00-0931	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	368.10	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.42*	
33 42 11 00-0932	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	448.45	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.72*	
33 42 11 00-0933	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	520.01	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*101.60*	
33 42 11 00-0934	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	559.90	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*108.51*	
33 42 11 00-0935	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.87	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*115.44*	
33 42 11 00-0936	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	633.72	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*122.35*	
33 42 11 00-0937	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	671.33	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.24*	
33 42 11 00-0938	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	712.18	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*136.17*	
33 42 11 00-0939	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	755.51	111.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.08*	
33 42 11 00-0940	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	798.18	122.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*149.93*	
33 42 11 00-0941	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	839.74	134.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.86*	
33 42 11 00-0942		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0904)*		
33 42 11 00-0943	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	595.79	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.71*	
33 42 11 00-0944	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	641.78	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*133.44*	
33 42 11 00-0945	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	684.99	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*142.25*	
33 42 11 00-0946	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	727.99	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.00*	
33 42 11 00-0947	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	771.91	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*159.78*	
33 42 11 00-0948	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	819.00	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*168.59*	
33 42 11 00-0949	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	868.48	111.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*177.34*	
33 42 11 00-0950	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	917.35	122.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*186.05*	
33 42 11 00-0951	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	965.16	134.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*194.85*	
33 42 11 00-0952	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,014.94	145.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*203.59*	
33 42 11 00-0953	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,067.64	156.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*212.38*	
33 42 11 00-0954	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,123.77	167.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*221.19*	
33 42 11 00-0955		**125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0862)*		
33 42 11 00-0956		**16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0955)*		
33 42 11 00-0957	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	207.82	33.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.89*	
33 42 11 00-0958	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	249.60	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.83*	
33 42 11 00-0959	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	271.61	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.46*	
33 42 11 00-0960	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	337.19	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.81*	
33 42 11 00-0961	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	398.88	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.58*	
33 42 11 00-0962	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.80	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.35*	
33 42 11 00-0963	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	455.59	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.07*	
33 42 11 00-0964	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	482.27	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.75*	
33 42 11 00-0965	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.07	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.57*	
33 42 11 00-0966	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	541.30	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.53*	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0967		14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0955)*		
33 42 11 00-0968	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	283.95	38.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.50*	
33 42 11 00-0969	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	309.89	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.07*	
33 42 11 00-0970	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	378.87	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.07*	
33 42 11 00-0971	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	443.98	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.57*	
33 42 11 00-0972	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	477.93	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.28*	
33 42 11 00-0973	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	508.54	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*115.88*	
33 42 11 00-0974	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	537.18	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.82*	
33 42 11 00-0975	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	570.45	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.05*	
33 42 11 00-0976	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	604.94	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.65*	
33 42 11 00-0977	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	641.82	111.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*142.19*	
33 42 11 00-0978	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	678.70	122.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.88*	
33 42 11 00-0979		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0955)*		
33 42 11 00-0980	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	381.43	40.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.13*	
33 42 11 00-0981	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	457.75	49.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.37*	
33 42 11 00-0982	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	530.34	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.98*	
33 42 11 00-0983	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	570.91	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*118.51*	
33 42 11 00-0984	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	608.29	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*126.00*	
33 42 11 00-0985	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	646.02	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*133.60*	
33 42 11 00-0986	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	684.30	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*141.12*	
33 42 11 00-0987	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	725.66	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.63*	
33 42 11 00-0988	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	769.82	111.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.21*	
33 42 11 00-0989	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	813.36	122.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*163.75*	
33 42 11 00-0990	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	855.50	134.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*171.28*	
33 42 11 00-0991		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0955)*		
33 42 11 00-0992	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	613.04	71.56
		For 1/2 Bituminous Coated And 25% Paved, Add	*134.63*	
33 42 11 00-0993	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	661.30	78.27
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.36*	
33 42 11 00-0994	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	705.86	83.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.91*	
33 42 11 00-0995	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	750.10	89.45
		For 1/2 Bituminous Coated And 25% Paved, Add	*163.36*	
33 42 11 00-0996	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	795.41	95.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*172.89*	
33 42 11 00-0997	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	843.64	100.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*182.38*	
33 42 11 00-0998	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	894.62	111.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*191.91*	
33 42 11 00-0999	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	945.08	122.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*201.42*	
33 42 11 00-1000	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	993.99	134.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*210.89*	
33 42 11 00-1001	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,055.75	145.35
		For 1/2 Bituminous Coated And 25% Paved, Add	*223.40*	
33 42 11 00-1002	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,112.48	156.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*233.70*	
33 42 11 00-1003	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,173.98	167.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*244.40*	
33 42 11 00-1004		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0862)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1005		**16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1004)*		
33 42 11 00-1006	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	72.05	12.55
33 42 11 00-1007	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	82.93	13.59
33 42 11 00-1008	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	92.94	14.64
33 42 11 00-1009	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	120.99	18.81
33 42 11 00-1010	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	154.76	24.60
33 42 11 00-1011	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	177.75	29.07
33 42 11 00-1012	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	200.49	33.54
33 42 11 00-1013	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	238.65	38.02
33 42 11 00-1014	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	260.81	40.25
33 42 11 00-1015		**14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1004)*		
33 42 11 00-1016	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.01	12.55
33 42 11 00-1017	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	92.23	13.59
33 42 11 00-1018	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.48	14.64
33 42 11 00-1019	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	134.16	18.81
33 42 11 00-1020	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	170.61	24.60
33 42 11 00-1021	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	196.30	29.07
33 42 11 00-1022	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	221.66	33.54
33 42 11 00-1023	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	262.46	38.02
33 42 11 00-1024	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	287.36	40.25
33 42 11 00-1025	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	349.79	49.20
33 42 11 00-1026	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	413.81	71.56
33 42 11 00-1027	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	446.31	78.27
33 42 11 00-1028		**12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1004)*		
33 42 11 00-1029	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	160.87	18.81
33 42 11 00-1030	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	202.59	24.60
33 42 11 00-1031	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	233.75	29.07
33 42 11 00-1032	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	264.38	33.54
33 42 11 00-1033	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	310.50	38.02
33 42 11 00-1034	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	340.83	40.25
33 42 11 00-1035	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	408.47	49.20
33 42 11 00-1036	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	477.76	71.56
33 42 11 00-1037	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	515.58	78.27
33 42 11 00-1038	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	550.23	83.86
33 42 11 00-1039	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	584.91	89.45
33 42 11 00-1040	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	620.25	95.04
33 42 11 00-1041	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	656.18	100.63
33 42 11 00-1042		**Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-0353)*		
33 42 11 00-1043		**2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1042)*		
33 42 11 00-1044		**16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1043)*		
33 42 11 00-1045	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	57.08	11.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.50*	
33 42 11 00-1046	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	64.46	12.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.71*	
33 42 11 00-1047	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	74.51	13.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.71*	
33 42 11 00-1048	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	84.11	14.64
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.33*	
33 42 11 00-1049	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	109.01	18.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*34.71*	
33 42 11 00-1050	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	142.98	24.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*44.77*	
33 42 11 00-1051		**14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1043)*		
33 42 11 00-1052	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	63.85	11.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.10*	
33 42 11 00-1053	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	72.67	12.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.48*	
33 42 11 00-1054	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	83.76	13.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.37*	
33 42 11 00-1055	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	94.80	14.64
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.10*	
33 42 11 00-1056	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	122.33	18.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*35.59*	
33 42 11 00-1057	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	158.84	24.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.33*	
33 42 11 00-1058	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	184.00	29.07
		For 1/2 Bituminous Coated And 40% Paved, Add	*54.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1059			**12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1043)*		
33 42 11 00-1060		LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	89.41	12.55
			For 1/2 Bituminous Coated And 40% Paved, Add	*18.76*	
33 42 11 00-1061		LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	103.59	13.59
			For 1/2 Bituminous Coated And 40% Paved, Add	*22.30*	
33 42 11 00-1062		LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	117.27	14.64
			For 1/2 Bituminous Coated And 40% Paved, Add	*25.60*	
33 42 11 00-1063		LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	150.38	18.81
			For 1/2 Bituminous Coated And 40% Paved, Add	*32.30*	
33 42 11 00-1064		LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	192.72	24.60
			For 1/2 Bituminous Coated And 40% Paved, Add	*40.62*	
33 42 11 00-1065		LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	223.52	29.07
			For 1/2 Bituminous Coated And 40% Paved, Add	*48.14*	
33 42 11 00-1066		LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	262.58	33.54
			For 1/2 Bituminous Coated And 40% Paved, Add	*57.33*	
33 42 11 00-1067		LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	292.32	38.02
			For 1/2 Bituminous Coated And 40% Paved, Add	*63.19*	
33 42 11 00-1068			**10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1043)*		
33 42 11 00-1069		LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	223.15	24.60
			For 1/2 Bituminous Coated And 40% Paved, Add	*42.75*	
33 42 11 00-1070		LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	259.00	29.07
			For 1/2 Bituminous Coated And 40% Paved, Add	*50.52*	
33 42 11 00-1071		LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	302.81	33.54
			For 1/2 Bituminous Coated And 40% Paved, Add	*59.65*	
33 42 11 00-1072		LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	337.82	38.02
			For 1/2 Bituminous Coated And 40% Paved, Add	*66.04*	
33 42 11 00-1073		LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	369.96	40.25
			For 1/2 Bituminous Coated And 40% Paved, Add	*72.42*	
33 42 11 00-1074			**3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1042)*		
33 42 11 00-1075			**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1074)*		
33 42 11 00-1076		LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	280.90	38.02
			For 1/2 Bituminous Coated And 40% Paved, Add	*94.92*	
33 42 11 00-1077		LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	307.05	40.25
			For 1/2 Bituminous Coated And 40% Paved, Add	*103.86*	
33 42 11 00-1078		LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	381.15	49.20
			For 1/2 Bituminous Coated And 40% Paved, Add	*130.45*	
33 42 11 00-1079		LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	447.64	71.56
			For 1/2 Bituminous Coated And 40% Paved, Add	*139.84*	
33 42 11 00-1080		LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	483.45	78.27
			For 1/2 Bituminous Coated And 40% Paved, Add	*149.73*	
33 42 11 00-1081		LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	516.29	83.86
			For 1/2 Bituminous Coated And 40% Paved, Add	*159.65*	
33 42 11 00-1082		LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	549.01	89.45
			For 1/2 Bituminous Coated And 40% Paved, Add	*169.51*	
33 42 11 00-1083		LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	582.59	95.04
			For 1/2 Bituminous Coated And 40% Paved, Add	*179.40*	
33 42 11 00-1084			**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1074)*		
33 42 11 00-1085		LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	374.61	40.25
			For 1/2 Bituminous Coated And 40% Paved, Add	*118.03*	
33 42 11 00-1086		LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	456.05	49.20
			For 1/2 Bituminous Coated And 40% Paved, Add	*144.25*	
33 42 11 00-1087		LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	529.21	71.56
			For 1/2 Bituminous Coated And 40% Paved, Add	*155.15*	
33 42 11 00-1088		LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	571.53	78.27
			For 1/2 Bituminous Coated And 40% Paved, Add	*166.42*	
33 42 11 00-1089		LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	611.02	83.86
			For 1/2 Bituminous Coated And 40% Paved, Add	*177.76*	
33 42 11 00-1090		LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	650.41	89.45
			For 1/2 Bituminous Coated And 40% Paved, Add	*189.08*	
33 42 11 00-1091		LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	690.50	95.04
			For 1/2 Bituminous Coated And 40% Paved, Add	*200.34*	
33 42 11 00-1092		LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	733.93	100.63
			For 1/2 Bituminous Coated And 40% Paved, Add	*211.72*	
33 42 11 00-1093		LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	779.79	111.81
			For 1/2 Bituminous Coated And 40% Paved, Add	*223.02*	
33 42 11 00-1094		LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	828.03	122.99
			For 1/2 Bituminous Coated And 40% Paved, Add	*235.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1095		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1074)*		
33 42 11 00-1096	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	604.93	71.56
		For 1/2 Bituminous Coated And 40% Paved, Add	*167.93*	
33 42 11 00-1097	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	653.55	78.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*180.42*	
33 42 11 00-1098	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	699.25	83.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*192.95*	
33 42 11 00-1099	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	744.73	89.45
		For 1/2 Bituminous Coated And 40% Paved, Add	*205.40*	
33 42 11 00-1100	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	795.25	95.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*219.38*	
33 42 11 00-1101	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	840.70	100.63
		For 1/2 Bituminous Coated And 40% Paved, Add	*230.41*	
33 42 11 00-1102	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	892.81	111.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*242.92*	
33 42 11 00-1103	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	946.69	122.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*256.23*	
33 42 11 00-1104	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,006.59	134.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*272.24*	
33 42 11 00-1105		**125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1042)*		
33 42 11 00-1106		**12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1105)*		
33 42 11 00-1107	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	536.85	71.56
		For 1/2 Bituminous Coated And 40% Paved, Add	*152.69*	
33 42 11 00-1108	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	578.50	78.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*163.30*	
33 42 11 00-1109	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	616.86	83.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*173.82*	
33 42 11 00-1110	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	655.16	89.45
		For 1/2 Bituminous Coated And 40% Paved, Add	*184.31*	
33 42 11 00-1111	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	694.42	95.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*194.87*	
33 42 11 00-1112	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	737.28	100.63
		For 1/2 Bituminous Coated And 40% Paved, Add	*205.62*	
33 42 11 00-1113	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	782.58	111.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*216.32*	
33 42 11 00-1114	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	834.39	122.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*229.71*	
33 42 11 00-1115		**10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1105)*		
33 42 11 00-1116	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	620.74	71.56
		For 1/2 Bituminous Coated And 40% Paved, Add	*169.36*	
33 42 11 00-1117	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	669.10	78.27
		For 1/2 Bituminous Coated And 40% Paved, Add	*181.45*	
33 42 11 00-1118	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	714.23	83.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*193.46*	
33 42 11 00-1119	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	759.55	89.45
		For 1/2 Bituminous Coated And 40% Paved, Add	*205.55*	
33 42 11 00-1120	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	804.55	95.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*217.24*	
33 42 11 00-1121	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	855.11	100.63
		For 1/2 Bituminous Coated And 40% Paved, Add	*229.80*	
33 42 11 00-1122	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	907.38	111.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*242.05*	
33 42 11 00-1123	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	966.06	122.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*256.73*	
33 42 11 00-1124	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,021.05	134.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*270.61*	
33 42 11 00-1125		**Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-0353)*		
33 42 11 00-1126		**1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1125)*		
33 42 11 00-1127		**18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1126)*		
33 42 11 00-1128	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	28.89	6.27
		For Bituminous Coated Pipe, Add	*3.14*	
33 42 11 00-1129	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	37.40	7.85
		For Bituminous Coated Pipe, Add	*4.26*	
33 42 11 00-1130	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	48.54	9.41
		For Bituminous Coated Pipe, Add	*5.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1131		**16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1126)*		
33 42 11 00-1132	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	32.49	6.27
		For Bituminous Coated Pipe, Add	*3.11*	
33 42 11 00-1133	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	42.49	7.85
		For Bituminous Coated Pipe, Add	*4.26*	
33 42 11 00-1134	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	55.33	9.41
		For Bituminous Coated Pipe, Add	*5.62*	
33 42 11 00-1135		**2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1125)*		
33 42 11 00-1136		**16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1135)*		
33 42 11 00-1137	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	56.19	10.98
		For Bituminous Coated Pipe, Add	*6.18*	
33 42 11 00-1138	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	65.50	11.50
		For Bituminous Coated Pipe, Add	*7.75*	
33 42 11 00-1139	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	75.39	12.55
		For Bituminous Coated Pipe, Add	*9.42*	
33 42 11 00-1140	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	87.18	13.59
		For Bituminous Coated Pipe, Add	*11.24*	
33 42 11 00-1141	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	97.58	14.64
		For Bituminous Coated Pipe, Add	*12.75*	
33 42 11 00-1142		**14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1135)*		
33 42 11 00-1143	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	63.91	10.98
		For Bituminous Coated Pipe, Add	*6.04*	
33 42 11 00-1144	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	75.33	11.50
		For Bituminous Coated Pipe, Add	*7.60*	
33 42 11 00-1145	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	87.17	12.55
		For Bituminous Coated Pipe, Add	*9.22*	
33 42 11 00-1146	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	100.85	13.59
		For Bituminous Coated Pipe, Add	*10.94*	
33 42 11 00-1147	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	113.27	14.64
		For Bituminous Coated Pipe, Add	*12.43*	
33 42 11 00-1148	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	147.01	18.81
		For Bituminous Coated Pipe, Add	*15.94*	
33 42 11 00-1149	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	186.97	24.60
		For Bituminous Coated Pipe, Add	*19.82*	
33 42 11 00-1150		**12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1135)*		
33 42 11 00-1151	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	143.25	14.64
		For Bituminous Coated Pipe, Add	*11.80*	
33 42 11 00-1152	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	184.34	18.81
		For Bituminous Coated Pipe, Add	*15.01*	
33 42 11 00-1153	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	231.81	24.60
		For Bituminous Coated Pipe, Add	*18.50*	
33 42 11 00-1154	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	268.20	29.07
		For Bituminous Coated Pipe, Add	*21.76*	
33 42 11 00-1155	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	303.36	33.54
		For Bituminous Coated Pipe, Add	*24.63*	
33 42 11 00-1156	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	357.36	38.02
		For Bituminous Coated Pipe, Add	*29.22*	
33 42 11 00-1157		**10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1135)*		
33 42 11 00-1158	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	279.60	24.60
		For Bituminous Coated Pipe, Add	*18.19*	
33 42 11 00-1159	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	323.87	29.07
		For Bituminous Coated Pipe, Add	*21.36*	
33 42 11 00-1160	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	367.17	33.54
		For Bituminous Coated Pipe, Add	*24.24*	
33 42 11 00-1161	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	429.14	38.02
		For Bituminous Coated Pipe, Add	*28.44*	
33 42 11 00-1162	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	472.00	40.25
		For Bituminous Coated Pipe, Add	*31.34*	
33 42 11 00-1163		**3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1125)*		
33 42 11 00-1164		**16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1163)*		
33 42 11 00-1165	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	144.57	18.81
33 42 11 00-1166	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	183.92	24.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1167	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	211.34	29.07
33 42 11 00-1168	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	239.39	33.54
33 42 11 00-1169	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	283.26	38.02
33 42 11 00-1170		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1163)*		
33 42 11 00-1171	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	164.24	18.81
33 42 11 00-1172	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	211.98	24.60
33 42 11 00-1173	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	243.91	29.07
33 42 11 00-1174	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	274.93	33.54
33 42 11 00-1175	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	324.89	38.02
33 42 11 00-1176	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	355.31	40.25
33 42 11 00-1177	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	432.53	49.20
33 42 11 00-1178	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	502.58	71.56
33 42 11 00-1179	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	540.93	78.27
33 42 11 00-1180		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1163)*		
33 42 11 00-1181	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	210.15	18.81
33 42 11 00-1182	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	263.60	24.60
33 42 11 00-1183	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	305.60	29.07
33 42 11 00-1184	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	345.69	33.54
33 42 11 00-1185	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	404.32	38.02
33 42 11 00-1186	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	443.27	40.25
33 42 11 00-1187	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	529.00	49.20
33 42 11 00-1188	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	607.79	71.56
33 42 11 00-1189	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	654.73	78.27
33 42 11 00-1190	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	698.79	83.86
33 42 11 00-1191	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	742.70	89.45
33 42 11 00-1192	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	787.42	95.04
33 42 11 00-1193		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1163)*		
33 42 11 00-1194	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	535.78	40.25
33 42 11 00-1195	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	626.86	49.20
33 42 11 00-1196	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	714.43	71.56
33 42 11 00-1197	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	770.17	78.27
33 42 11 00-1198	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	822.87	83.86
33 42 11 00-1199	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	875.55	89.45
33 42 11 00-1200	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	928.98	95.04
33 42 11 00-1201	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	985.71	100.63
33 42 11 00-1202	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,044.88	111.81
33 42 11 00-1203		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1125)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1204		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1205	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.86	12.55
33 42 11 00-1206	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	109.53	13.59
33 42 11 00-1207	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.76	14.64
33 42 11 00-1208	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	153.32	16.73
33 42 11 00-1209	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	171.51	18.81
33 42 11 00-1210	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	192.06	20.91
33 42 11 00-1211		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1212	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	118.49	12.55
33 42 11 00-1213	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.43	13.59
33 42 11 00-1214	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.13	14.64
33 42 11 00-1215	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.43	16.73
33 42 11 00-1216	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	199.35	18.81
33 42 11 00-1217	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	222.74	20.91
33 42 11 00-1218	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	250.16	24.60
33 42 11 00-1219	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	289.58	29.07
33 42 11 00-1220	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.71	33.54
33 42 11 00-1221		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1222	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	253.79	18.81
33 42 11 00-1223	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	282.51	20.91
33 42 11 00-1224	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	315.46	24.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1225	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	365.83	29.07
33 42 11 00-1226	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.85	33.54
33 42 11 00-1227	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	577.40	38.02
33 42 11 00-1228	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	635.67	40.25
33 42 11 00-1229		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1230	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.39	33.54
33 42 11 00-1231	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	686.86	38.02
33 42 11 00-1232	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	757.43	40.25
33 42 11 00-1233	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	879.25	49.20
33 42 11 00-1234	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	987.80	71.56
33 42 11 00-1235	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,065.50	78.27
33 42 11 00-1236	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,139.51	83.86
33 42 11 00-1237		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0353)*		
33 42 11 00-1238		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1237)*		
33 42 11 00-1239		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1238)*		
33 42 11 00-1240	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	69.01	11.50
		For Bituminous Coated Pipe, Add	*7.76*	
33 42 11 00-1241	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	78.71	12.55
		For Bituminous Coated Pipe, Add	*9.27*	
33 42 11 00-1242	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	90.97	13.59
		For Bituminous Coated Pipe, Add	*11.04*	
33 42 11 00-1243		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1238)*		
33 42 11 00-1244	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	78.86	11.50
		For Bituminous Coated Pipe, Add	*7.74*	
33 42 11 00-1245	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	88.17	12.55
		For Bituminous Coated Pipe, Add	*8.92*	
33 42 11 00-1246	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	104.64	13.59
		For Bituminous Coated Pipe, Add	*10.95*	
33 42 11 00-1247	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	118.40	14.64
		For Bituminous Coated Pipe, Add	*12.56*	
33 42 11 00-1248	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	152.13	18.81
		For Bituminous Coated Pipe, Add	*15.89*	
33 42 11 00-1249		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1238)*		
33 42 11 00-1250	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	148.41	14.64
		For Bituminous Coated Pipe, Add	*11.97*	
33 42 11 00-1251	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	189.55	18.81
		For Bituminous Coated Pipe, Add	*15.10*	
33 42 11 00-1252	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	240.62	24.60
		For Bituminous Coated Pipe, Add	*18.85*	
33 42 11 00-1253	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	279.80	29.07
		For Bituminous Coated Pipe, Add	*22.29*	
33 42 11 00-1254		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1238)*		
33 42 11 00-1255	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	288.34	24.60
		For Bituminous Coated Pipe, Add	*18.19*	
33 42 11 00-1256	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	335.56	29.07
		For Bituminous Coated Pipe, Add	*21.45*	
33 42 11 00-1257	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	390.65	33.54
		For Bituminous Coated Pipe, Add	*25.14*	
33 42 11 00-1258	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	436.86	38.02
		For Bituminous Coated Pipe, Add	*27.97*	
33 42 11 00-1259		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1237)*		
33 42 11 00-1260		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1259)*		
33 42 11 00-1261	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	332.61	38.02
33 42 11 00-1262	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	364.28	40.25
33 42 11 00-1263	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	443.62	49.20
33 42 11 00-1264		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1259)*		
33 42 11 00-1265	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	412.03	38.02
33 42 11 00-1266	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	452.24	40.25
33 42 11 00-1267	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	539.69	49.20
33 42 11 00-1268	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	619.29	71.56
33 42 11 00-1269	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	667.05	78.27

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33 42 11 00-1270	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	711.93	83.86
33 42 11 00-1271		**10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1259)*		
33 42 11 00-1272	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	544.62	40.25
33 42 11 00-1273	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	637.16	49.20
33 42 11 00-1274	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	725.52	71.56
33 42 11 00-1275	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	782.07	78.27
33 42 11 00-1276	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	835.59	83.86
33 42 11 00-1277	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	889.05	89.45
33 42 11 00-1278		**Corrugated Steel Pipe Fittings** *(33 42 11 00-0353)* Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1279		**Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings** *(33 42 11 00-1278)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1280	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	91.98	
33 42 11 00-1281	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	115.35	
33 42 11 00-1282	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	138.72	
33 42 11 00-1283	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	163.56	
33 42 11 00-1284	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	198.59	
33 42 11 00-1285	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	233.62	
33 42 11 00-1286	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	268.68	
33 42 11 00-1287	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	303.71	
33 42 11 00-1288	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	395.72	
33 42 11 00-1289	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	471.63	
33 42 11 00-1290	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	547.58	
33 42 11 00-1291	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	708.20	
33 42 11 00-1292	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	798.74	
33 42 11 00-1293	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	892.20	
33 42 11 00-1294	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	988.56	
33 42 11 00-1295	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,204.67	
33 42 11 00-1296	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,314.17	
33 42 11 00-1297	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,426.61	
33 42 11 00-1298	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,750.77	
33 42 11 00-1299	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,879.29	
33 42 11 00-1300	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,009.24	
33 42 11 00-1301	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,139.19	
33 42 11 00-1302	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,267.68	
33 42 11 00-1303	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,397.65	
33 42 11 00-1304	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,534.67	
33 42 11 00-1305	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,679.52	
33 42 11 00-1306	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,832.62	
33 42 11 00-1307		**Fabricate Corrugated Steel Pipe Tees Or Laterals** *(33 42 11 00-1278)* Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1308	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	119.74	
33 42 11 00-1309	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	153.33	
33 42 11 00-1310	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	186.88	
33 42 11 00-1311	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	220.49	
33 42 11 00-1312	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	268.68	
33 42 11 00-1313	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	318.31	
33 42 11 00-1314	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	367.99	
33 42 11 00-1315	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	417.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1316	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	547.58	
33 42 11 00-1317	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	652.71	
33 42 11 00-1318	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	759.29	
33 42 11 00-1319	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	985.62	
33 42 11 00-1320	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,109.75	
33 42 11 00-1321	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,238.23	
33 42 11 00-1322	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,369.66	
33 42 11 00-1323	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,670.45	
33 42 11 00-1324	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,819.42	
33 42 11 00-1325	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,971.26	
33 42 11 00-1326	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,425.36	
33 42 11 00-1327	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,599.14	
33 42 11 00-1328	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,772.91	
33 42 11 00-1329	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,948.11	
33 42 11 00-1330	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,123.35	
33 42 11 00-1331	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,297.08	
33 42 11 00-1332	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,480.52	
33 42 11 00-1333	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,674.15	
33 42 11 00-1334	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,878.52	

33 42 11 00-1335 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1278)*

Note: Applied to pipe tasks.

33 42 11 00-1336	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	46.27	
33 42 11 00-1337	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	58.20	
33 42 11 00-1338	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	73.21	
33 42 11 00-1339	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	89.65	
33 42 11 00-1340	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	113.44	
33 42 11 00-1341	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	138.92	
33 42 11 00-1342	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	162.71	
33 42 11 00-1343	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	189.04	
33 42 11 00-1344	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	232.20	
33 42 11 00-1345	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	276.84	
33 42 11 00-1346	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	330.32	
33 42 11 00-1347	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	406.33	
33 42 11 00-1348	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	459.92	
33 42 11 00-1349	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	517.95	
33 42 11 00-1350	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	628.11	
33 42 11 00-1351	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	696.56	
33 42 11 00-1352	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	849.87	
33 42 11 00-1353	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	925.81	
33 42 11 00-1354	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,006.21	
33 42 11 00-1355	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,085.04	
33 42 11 00-1356	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,165.42	
33 42 11 00-1357	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,247.27	
33 42 11 00-1358	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,327.67	
33 42 11 00-1359	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,408.03	
33 42 11 00-1360	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,493.25	
33 42 11 00-1361	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,583.61	
33 42 11 00-1362	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,679.45	

33 42 11 00-1363 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1278)*

33 42 11 00-1364	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	17.98	
		For Bituminous Coated, Add	*5.21*	
33 42 11 00-1365	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	23.86	
		For Bituminous Coated, Add	*6.92*	
33 42 11 00-1366	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	30.06	
		For Bituminous Coated, Add	*8.72*	
33 42 11 00-1367	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	49.90	
		For Bituminous Coated, Add	*14.47*	
33 42 11 00-1368	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	62.92	
		For Bituminous Coated, Add	*18.25*	
33 42 11 00-1369	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	92.31	
		For Bituminous Coated, Add	*26.77*	
33 42 11 00-1370	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	109.56	
		For Bituminous Coated, Add	*31.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1371	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	124.23	
		For Bituminous Coated, Add	*36.03*	
33 42 11 00-1372	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	214.99	
		For Bituminous Coated, Add	*62.35*	
33 42 11 00-1373	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	343.97	
		For Bituminous Coated, Add	*82.55*	
33 42 11 00-1374	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	404.15	
		For Bituminous Coated, Add	*97.00*	
33 42 11 00-1375	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	452.86	
		For Bituminous Coated, Add	*108.69*	
33 42 11 00-1376	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	642.23	
		For Bituminous Coated, Add	*154.14*	
33 42 11 00-1377	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	918.58	
		For Bituminous Coated, Add	*165.34*	
33 42 11 00-1378	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,128.92	
		For Bituminous Coated, Add	*203.21*	
33 42 11 00-1379	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,450.16	
		For Bituminous Coated, Add	*203.02*	
33 42 11 00-1380	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,551.04	
		For Bituminous Coated, Add	*217.15*	
33 42 11 00-1381	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,652.50	
		For Bituminous Coated, Add	*231.35*	
33 42 11 00-1382	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,753.43	
		For Bituminous Coated, Add	*245.48*	
33 42 11 00-1383	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,854.62	
		For Bituminous Coated, Add	*259.65*	
33 42 11 00-1384	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,956.07	
		For Bituminous Coated, Add	*273.85*	
33 42 11 00-1385	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,057.06	
		For Bituminous Coated, Add	*287.99*	
33 42 11 00-1386	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,436.36	
		For Bituminous Coated, Add	*292.36*	
33 42 11 00-1387	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,258.87	
		For Bituminous Coated, Add	*271.06*	
33 42 11 00-1388	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,359.55	
		For Bituminous Coated, Add	*283.15*	
33 42 11 00-1389	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,460.95	
		For Bituminous Coated, Add	*295.31*	
33 42 11 00-1390	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,562.45	
		For Bituminous Coated, Add	*307.49*	

33 42 11 00-1391 Vitrified Clay Piping *(33 42 11)*

33 42 11 00-1392 Extra Strength Vitrified Clay Piping *(33 42 11 00-1391)*

33 42 11 00-1393 Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1392)*

Note: ASTM C700.

33 42 11 00-1394	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	23.03	
		For 3' Lengths, Add	*2.03*	
		For 2' Lengths, Add	*2.70*	
		For Standard Strength, Deduct	*-0.68*	
		For >1,000, Deduct	*-1.15*	
33 42 11 00-1395	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	38.22	
		For 3' Lengths, Add	*3.14*	
		For 2' Lengths, Add	*4.19*	
		For Standard Strength, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.91*	
33 42 11 00-1396	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	45.81	
		For 3' Lengths, Add	*4.49*	
		For 2' Lengths, Add	*5.99*	
		For Standard Strength, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.29*	
33 42 11 00-1397	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	55.17	
		For 3' Lengths, Add	*6.88*	
		For 2' Lengths, Add	*9.18*	
		For Standard Strength, Deduct	*-2.29*	
		For >1,000, Deduct	*-2.76*	
33 42 11 00-1398	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	67.54	
		For 3' Lengths, Add	*9.72*	
		For 2' Lengths, Add	*12.96*	
		For Standard Strength, Deduct	*-3.24*	
		For >1,000, Deduct	*-3.38*	
33 42 11 00-1399	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	99.86	
		For 3' Lengths, Add	*18.22*	
		For 2' Lengths, Add	*24.30*	
		For Standard Strength, Deduct	*-6.07*	
		For >1,000, Deduct	*-4.99*	
33 42 11 00-1400	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	135.83	
		For 3' Lengths, Add	*26.12*	
		For 2' Lengths, Add	*34.82*	
		For Standard Strength, Deduct	*-8.71*	
		For >1,000, Deduct	*-6.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1401	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	200.99	
		For 3' Lengths, Add	*41.84*	
		For 2' Lengths, Add	*55.79*	
		For Standard Strength, Deduct	*-13.95*	
		For >1,000, Deduct	*-10.05*	
33 42 11 00-1402	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	256.92	
		For 3' Lengths, Add	*54.66*	
		For 2' Lengths, Add	*72.88*	
		For Standard Strength, Deduct	*-18.22*	
		For >1,000, Deduct	*-12.85*	
33 42 11 00-1403	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	317.92	
		For 3' Lengths, Add	*68.16*	
		For 2' Lengths, Add	*90.88*	
		For Standard Strength, Deduct	*-22.72*	
		For >1,000, Deduct	*-15.90*	
33 42 11 00-1404	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	384.59	
		For 3' Lengths, Add	*82.33*	
		For 2' Lengths, Add	*109.78*	
		For Standard Strength, Deduct	*-27.44*	
		For >1,000, Deduct	*-19.23*	

33 42 11 00-1405 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1392)*

Note: ASTM C425.

33 42 11 00-1406	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	32.62	
		For 3' Lengths, Add	*2.39*	
		For 2' Lengths, Add	*3.18*	
		For Standard Strength, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.63*	
33 42 11 00-1407	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	40.74	
		For 3' Lengths, Add	*3.90*	
		For 2' Lengths, Add	*5.20*	
		For Standard Strength, Deduct	*-1.30*	
		For >1,000, Deduct	*-2.04*	
33 42 11 00-1408	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	49.19	
		For 3' Lengths, Add	*5.51*	
		For 2' Lengths, Add	*7.34*	
		For Standard Strength, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.46*	
33 42 11 00-1409	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	62.37	
		For 3' Lengths, Add	*9.04*	
		For 2' Lengths, Add	*12.06*	
		For Standard Strength, Deduct	*-3.01*	
		For >1,000, Deduct	*-3.12*	
33 42 11 00-1410	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	74.74	
		For 3' Lengths, Add	*11.88*	
		For 2' Lengths, Add	*15.84*	
		For Standard Strength, Deduct	*-3.96*	
		For >1,000, Deduct	*-3.74*	
33 42 11 00-1411	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	111.33	
		For 3' Lengths, Add	*21.66*	
		For 2' Lengths, Add	*28.88*	
		For Standard Strength, Deduct	*-7.22*	
		For >1,000, Deduct	*-5.57*	
33 42 11 00-1412	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	154.51	
		For 3' Lengths, Add	*31.72*	
		For 2' Lengths, Add	*42.29*	
		For Standard Strength, Deduct	*-10.57*	
		For >1,000, Deduct	*-7.73*	
33 42 11 00-1413	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	222.36	
		For 3' Lengths, Add	*48.25*	
		For 2' Lengths, Add	*64.34*	
		For Standard Strength, Deduct	*-16.08*	
		For >1,000, Deduct	*-11.12*	
33 42 11 00-1414	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	290.66	
		For 3' Lengths, Add	*64.79*	
		For 2' Lengths, Add	*86.38*	
		For Standard Strength, Deduct	*-21.60*	
		For >1,000, Deduct	*-14.53*	
33 42 11 00-1415	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	466.38	
		For 3' Lengths, Add	*112.70*	
		For 2' Lengths, Add	*150.26*	
		For Standard Strength, Deduct	*-37.57*	
		For >1,000, Deduct	*-23.32*	
33 42 11 00-1416	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	663.52	
		For 3' Lengths, Add	*166.01*	
		For 2' Lengths, Add	*221.35*	
		For Standard Strength, Deduct	*-55.34*	
		For >1,000, Deduct	*-33.18*	

33 42 11 00-1417 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-1391)*

33 42 11 00-1418 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1417)*

33 42 11 00-1419 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-1418)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1420	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	97.00	
33 42 11 00-1421	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	131.23	
33 42 11 00-1422	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	188.06	
33 42 11 00-1423	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	259.34	
33 42 11 00-1424	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	343.09	
33 42 11 00-1425	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	822.70	
33 42 11 00-1426	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,160.83	
33 42 11 00-1427	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,812.26	
33 42 11 00-1428	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,091.34	
33 42 11 00-1429	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,428.08	
33 42 11 00-1430	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,645.26	
33 42 11 00-1431		**Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-1418)*		
33 42 11 00-1432	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	109.53	
33 42 11 00-1433	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	156.18	
33 42 11 00-1434	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	212.01	
33 42 11 00-1435	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	285.06	
33 42 11 00-1436	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	362.22	
33 42 11 00-1437	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	922.68	
33 42 11 00-1438	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,343.01	
33 42 11 00-1439	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,379.71	
33 42 11 00-1440	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,678.67	
33 42 11 00-1441	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,982.35	
33 42 11 00-1442	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,431.95	
33 42 11 00-1443		**1/4 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-1417)*		
33 42 11 00-1444		**Plain End 1/4 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-1443)*		
33 42 11 00-1445	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	113.28	
33 42 11 00-1446	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	150.83	
33 42 11 00-1447	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	211.00	
33 42 11 00-1448	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	284.30	
33 42 11 00-1449	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	371.21	
33 42 11 00-1450	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	853.98	
33 42 11 00-1451	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,199.85	
33 42 11 00-1452	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,861.48	
33 42 11 00-1453	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,151.10	
33 42 11 00-1454	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,502.61	
33 42 11 00-1455	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,728.11	
33 42 11 00-1456		**Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-1443)*		
33 42 11 00-1457	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	129.07	
33 42 11 00-1458	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	179.71	
33 42 11 00-1459	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	239.54	
33 42 11 00-1460	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	315.01	
33 42 11 00-1461	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	395.96	
33 42 11 00-1462	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	960.22	
33 42 11 00-1463	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,389.84	
33 42 11 00-1464	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,699.76	
33 42 11 00-1465	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,750.39	
33 42 11 00-1466	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,071.78	
33 42 11 00-1467	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,531.38	
33 42 11 00-1468		**Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-1417)*		
33 42 11 00-1469		**Plain End Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-1468)*		
33 42 11 00-1470	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	124.19	
33 42 11 00-1471	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	162.36	
33 42 11 00-1472	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	221.15	
33 42 11 00-1473	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	293.38	
33 42 11 00-1474	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	371.31	
33 42 11 00-1475	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	861.83	
33 42 11 00-1476	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,206.62	
33 42 11 00-1477	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,744.24	
33 42 11 00-1478	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,428.30	
33 42 11 00-1479	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,568.67	
33 42 11 00-1480	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,697.20	
33 42 11 00-1481		**Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-1468)*		
33 42 11 00-1482	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	151.78	
33 42 11 00-1483	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	208.59	
33 42 11 00-1484	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	275.14	
33 42 11 00-1485	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	357.16	
33 42 11 00-1486	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	446.03	
33 42 11 00-1487	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,048.40	
33 42 11 00-1488	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,511.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1489	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,245.73	
33 42 11 00-1490	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,976.07	
33 42 11 00-1491	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,441.75	
33 42 11 00-1492	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,889.14	

33 42 11 00-1493 Vitrified Clay Couplings *(33 42 11 00-1391)*

33 42 11 00-1494 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-1493)*

Note: Stainless steel tightening band at each end (Fernco #1002)

33 42 11 00-1495	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.66	
33 42 11 00-1496	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.34	
33 42 11 00-1497	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	50.13	
33 42 11 00-1498	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	47.56	
33 42 11 00-1499	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	60.59	
33 42 11 00-1500	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	62.82	
33 42 11 00-1501	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	57.89	
33 42 11 00-1502	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	81.54	
33 42 11 00-1503	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	75.91	
33 42 11 00-1504	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	105.26	
33 42 11 00-1505	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	96.55	
33 42 11 00-1506	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	129.64	
33 42 11 00-1507	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	109.64	
33 42 11 00-1508	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	214.66	
33 42 11 00-1509	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	166.99	

33 42 11 00-1510 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-1493)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1511	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	77.49	
33 42 11 00-1512	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	103.04	
33 42 11 00-1513	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	108.89	
33 42 11 00-1514	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	114.15	
33 42 11 00-1515	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	140.73	
33 42 11 00-1516	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	163.15	

33 42 11 00-1517 Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-1493)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1518	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	79.45	
33 42 11 00-1519	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	105.00	
33 42 11 00-1520	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	96.28	
33 42 11 00-1521	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	125.88	
33 42 11 00-1522	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	181.78	
33 42 11 00-1523	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	205.31	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0838 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	451.78	55.91
		For Each LF Of Cut-Off Section, Add	*18.07*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	509.14	55.91
		For Each LF Of Cut-Off Section, Add	*20.37*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	601.79	55.91
		For Each LF Of Cut-Off Section, Add	*24.07*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	722.45	69.88
		For Each LF Of Cut-Off Section, Add	*28.90*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	740.10	69.88
		For Each LF Of Cut-Off Section, Add	*29.60*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	748.93	69.88
		For Each LF Of Cut-Off Section, Add	*29.96*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	772.18	72.67
		For Each LF Of Cut-Off Section, Add	*30.89*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	776.60	72.67
		For Each LF Of Cut-Off Section, Add	*31.06*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	856.01	72.67
		For Each LF Of Cut-Off Section, Add	*34.24*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	878.42	83.86
		For Each LF Of Cut-Off Section, Add	*35.14*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	938.94	114.05
		For Each LF Of Cut-Off Section, Add	*37.56*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	860.42	72.67
		For Each LF Of Cut-Off Section, Add	*34.42*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	882.83	83.86
		For Each LF Of Cut-Off Section, Add	*35.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	896.07	83.86
		For Each LF Of Cut-Off Section, Add	*35.84*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,080.93	111.81
		For Each LF Of Cut-Off Section, Add	*43.24*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,084.46	111.81
		For Each LF Of Cut-Off Section, Add	*43.38*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,199.61	139.77
		For Each LF Of Cut-Off Section, Add	*47.98*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,194.76	111.81
		For Each LF Of Cut-Off Section, Add	*47.79*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,264.03	139.77
		For Each LF Of Cut-Off Section, Add	*50.56*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,268.44	139.77
		For Each LF Of Cut-Off Section, Add	*50.74*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,541.98	139.77
		For Each LF Of Cut-Off Section, Add	*61.68*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,615.67	167.72
		For Each LF Of Cut-Off Section, Add	*64.63*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,633.32	167.72
		For Each LF Of Cut-Off Section, Add	*65.33*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,637.73	167.72
		For Each LF Of Cut-Off Section, Add	*65.51*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,643.91	167.72
		For Each LF Of Cut-Off Section, Add	*65.76*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	*68.28*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	*68.28*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	*68.28*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,706.99	195.66
		For Each LF Of Cut-Off Section, Add	*68.28*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,486.59	223.62
		For Each LF Of Cut-Off Section, Add	*99.46*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,457.23	223.62
		For Each LF Of Cut-Off Section, Add	*138.29*	

33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0838 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,127.26	55.91
		For Each LF Of Cut-Off Section, Add	*45.09*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,212.02	55.91
		For Each LF Of Cut-Off Section, Add	*48.48*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,362.01	55.91
		For Each LF Of Cut-Off Section, Add	*54.48*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,539.99	69.88
		For Each LF Of Cut-Off Section, Add	*61.60*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,689.99	69.88
		For Each LF Of Cut-Off Section, Add	*67.60*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,839.99	69.88
		For Each LF Of Cut-Off Section, Add	*73.60*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,695.60	72.67
		For Each LF Of Cut-Off Section, Add	*67.82*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,845.60	72.67
		For Each LF Of Cut-Off Section, Add	*73.82*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,145.60	72.67
		For Each LF Of Cut-Off Section, Add	*85.82*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,018.01	83.86
		For Each LF Of Cut-Off Section, Add	*80.72*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,378.49	114.05
		For Each LF Of Cut-Off Section, Add	*95.14*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,845.60	72.67
		For Each LF Of Cut-Off Section, Add	*73.82*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,018.01	83.86
		For Each LF Of Cut-Off Section, Add	*80.72*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,168.01	83.86
		For Each LF Of Cut-Off Section, Add	*86.72*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,374.00	111.81
		For Each LF Of Cut-Off Section, Add	*94.96*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,524.00	111.81
		For Each LF Of Cut-Off Section, Add	*100.96*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,880.03	139.77
		For Each LF Of Cut-Off Section, Add	*115.20*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,548.55	111.81
		For Each LF Of Cut-Off Section, Add	*101.94*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,925.17	139.77
		For Each LF Of Cut-Off Section, Add	*117.01*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,892.53	139.77
		For Each LF Of Cut-Off Section, Add	*115.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,070.64	139.77
		For Each LF Of Cut-Off Section, Add	*122.83*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,304.79	167.72
		For Each LF Of Cut-Off Section, Add	*132.19*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,482.90	167.72
		For Each LF Of Cut-Off Section, Add	*139.32*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,661.04	167.72
		For Each LF Of Cut-Off Section, Add	*146.44*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,839.15	167.72
		For Each LF Of Cut-Off Section, Add	*153.57*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,834.56	195.66
		For Each LF Of Cut-Off Section, Add	*153.38*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,037.02	195.66
		For Each LF Of Cut-Off Section, Add	*161.48*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,442.00	195.66
		For Each LF Of Cut-Off Section, Add	*177.68*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,846.99	195.66
		For Each LF Of Cut-Off Section, Add	*193.88*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,802.99	223.62
		For Each LF Of Cut-Off Section, Add	*232.12*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,332.91	223.62
		For Each LF Of Cut-Off Section, Add	*293.32*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,660.39	749.20
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,091.94	799.15
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,732.39	1,046.76
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,269.14	1,498.40
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,932.25	1,997.86
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,214.35	2,633.40
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,938.94	3,632.44
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,816.42	4,281.08
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,215.18	5,211.86
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	17,059.20	6,309.02

33 42 23 00-0014 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	898.15	188.19
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	929.51	198.64
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	1,023.25	225.82
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	1,130.26	240.46
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	1,516.10	282.28
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	1,703.58	292.74
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	2,239.60	345.05
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	2,472.55	380.16
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	2,728.57	402.51
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	3,095.86	402.51
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	3,740.95	503.15
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	5,298.37	603.77

33 42 23 00-0027 Precast Concrete Wingwalls *(33 42 23 00-0001)*

33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,610.41	1,992.45
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,945.84	2,213.83
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,504.89	2,582.80
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,063.93	2,951.77
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,063.93	2,951.77
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,287.56	3,099.35
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	12,528.58	3,173.15
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	12,864.01	3,394.53

33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*

33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,739.16	782.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	328.51	73.18
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	384.62	78.41
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	453.13	83.64
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	553.84	91.48
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	614.57	99.32
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,015.62	112.38
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,323.78	134.17
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,059.77	156.53
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,522.50	178.90
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,999.62	223.62
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,499.42	268.34
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	344.78	73.18
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	401.35	78.41
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	478.85	83.64
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	584.73	91.48
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	649.59	99.32
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,123.16	112.38
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,458.63	134.17
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,351.37	156.53
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,898.80	178.90
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,380.16	223.62
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,704.69	268.34
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,290.67	402.51
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,158.50	536.69
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,712.60	575.82
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,280.70	614.95
33 42 26 16-0032		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	44.71	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	50.08	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	56.69	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	61.67	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	69.15	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	122.35	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	131.62	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	181.89	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	194.34	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	237.84	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	243.12	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	258.38	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	290.40	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	325.11	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	332.30	
33 42 26 16-0048		Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0049		Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	384.62	78.41
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	453.13	83.64
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	553.84	91.48
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	614.57	99.32
33 42 26 16-0054		Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	370.57	78.41
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	427.15	83.64
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	479.46	91.48
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	543.54	99.32
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	813.13	112.38
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,203.40	134.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,899.70	156.53
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,415.83	178.90
33 42 26 16-0063		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	377.70	78.41
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	442.64	83.64
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	503.69	91.48
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	572.26	99.32
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	861.94	112.38
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,269.98	134.17
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,006.21	156.53
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,538.41	178.90
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,049.98	223.62
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,022.37	268.34
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,599.95	402.51
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	6,154.36	536.69
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	50.08	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	56.69	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	61.67	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	69.15	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	122.35	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	131.62	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	181.89	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	202.40	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	237.84	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	246.32	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	284.52	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	319.18	
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0090		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	517.64	73.18
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	599.96	78.41
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	716.67	83.64
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	895.49	91.48
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,181.18	99.32
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,792.34	112.38
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,449.05	134.17
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,067.83	134.17
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,921.39	156.53
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,623.00	178.90
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,213.61	223.62
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,394.28	268.34
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,450.20	402.51
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,014.68	536.69
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,035.95	575.82
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,695.82	614.95
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	17,468.73	670.86
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	19,347.89	726.76
33 42 26 16-0109		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	81.05	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	86.11	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	93.80	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	105.97	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	112.21	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	144.85	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	171.49	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	181.82	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	199.55	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	225.59	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	267.42	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	380.86	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	407.41	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	510.51	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	551.72	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	587.62	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	625.51	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	663.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0128		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0129		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	619.96	78.41
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	765.42	83.64
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	830.83	91.48
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	896.17	99.32
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,364.83	112.38
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,477.49	134.17
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,634.37	134.17
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,534.44	156.53
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,472.32	178.90
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,254.52	223.62
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,563.45	268.34
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,697.78	402.51
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,260.69	536.69
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,443.55	575.82
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,067.28	614.95
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,423.12	670.86
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	17,388.94	726.76
33 42 26 16-0147		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	86.11	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	93.80	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	98.74	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	108.23	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	122.13	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	158.42	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	174.90	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	199.55	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	225.59	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	267.42	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	344.21	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	438.10	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	587.21	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	668.48	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	698.99	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	723.24	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	753.41	
33 42 26 16-0165		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0166		4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	812.04	78.41
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,056.61	83.64
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,300.61	91.48
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,562.27	99.32
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,648.29	112.38
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,161.41	134.17
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,457.14	156.53
33 42 26 16-0174		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	589.24	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,204.73	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,322.15	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,373.23	
33 42 26 16-0179		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	852.67	78.41
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,129.70	83.64
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,515.67	91.48
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,785.79	99.32
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,122.79	112.38
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,580.23	134.17
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,981.16	156.53
33 42 26 16-0187		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,164.21	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,233.47	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,356.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,420.28	
33 42 26 16-0192		**Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section** *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	96.88	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	109.42	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	119.17	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	133.33	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	206.01	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	221.16	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	299.63	
33 42 26 16-0200		**Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories** *(33 42 26 16-0001)*		
33 42 26 16-0201		**4:1 Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	971.03	83.64
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,226.88	91.48
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,457.85	99.32
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,794.67	112.38
33 42 26 16-0206		**3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	705.16	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,304.25	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,373.23	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	2,032.02	
33 42 26 16-0211		**Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	97.75	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	111.36	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	121.43	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	143.25	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		**Corrugated High-Density Polyethylene (HDPE) Pipe End Sections** *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	55.15	21.60
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	95.86	32.41
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	127.09	40.50
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	201.05	64.81
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	235.20	72.91
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	250.47	78.32
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	292.37	86.42
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	369.84	102.61
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	678.98	116.12
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	817.68	129.62
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		**Precast Concrete End Sections** *(33 42 26 23)*		
33 42 26 23-0002		**Precast Concrete End Sections** *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	742.19	122.63
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	996.67	151.80
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,233.92	192.16
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,415.76	229.80
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,504.03	265.97
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,892.03	333.19
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,344.31	500.46
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,894.17	631.50
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,500.85	792.17
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,836.26	893.36
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,183.73	1,000.69
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,539.94	1,112.51
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,526.14	891.26
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,181.28	1,114.05
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,158.33	1,392.57
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,286.26	1,671.08
33 42 26 23-0019		**Flared Precast Concrete End Sections** *(33 42 26 23-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	934.44	130.26
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,125.19	162.34
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,365.82	205.51
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,560.43	245.76
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,904.43	284.44
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,294.15	454.28
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,383.38	625.46
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,221.50	789.38
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,864.78	990.41
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,180.84	1,116.97
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,676.27	1,251.04
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,180.99	1,389.56
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	6,043.49	1,601.00
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	7,050.77	1,786.94
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	7,995.70	2,010.22
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	9,225.40	2,233.28
33 42 26 23-0036		Elliptical Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,630.13	205.51
33 42 26 23-0038	EA	19" x 30" Elliptical Precast Concrete End Section	2,273.77	284.44
33 42 26 23-0039	EA	22" x 34" Elliptical Precast Concrete End Section	2,697.18	454.28
33 42 26 23-0040	EA	24" x 38" Elliptical Precast Concrete End Section	2,744.42	625.46
33 42 26 23-0041	EA	27" x 42" Elliptical Precast Concrete End Section	3,237.51	707.75
33 42 26 23-0042	EA	29" x 45" Elliptical Precast Concrete End Section	3,730.59	789.38
33 42 26 23-0043	EA	34" x 53" Elliptical Precast Concrete End Section	4,459.27	990.41
33 42 26 23-0044	EA	38" x 60" Elliptical Precast Concrete End Section	4,806.79	1,116.97
33 42 26 23-0045	EA	43" x 68" Elliptical Precast Concrete End Section	5,375.78	1,251.04
33 42 26 23-0046	EA	48" x 76" Elliptical Precast Concrete End Section	5,954.46	1,389.56
33 42 26 23-0047		Mitered Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0048	EA	12" Round Mitered Precast Concrete End Sections	532.50	130.26
33 42 26 23-0049	EA	15" Round Mitered Precast Concrete End Sections	579.47	162.34
33 42 26 23-0050	EA	18" Round Mitered Precast Concrete End Sections	698.32	205.51
33 42 26 23-0051	EA	24" Round Mitered Precast Concrete End Sections	1,011.69	284.44
33 42 26 23-0052	EA	12" x 18" Elliptical Mitered Precast Concrete End Sections	621.73	162.34
33 42 26 23-0053	EA	14" x 23" Elliptical Mitered Precast Concrete End Sections	773.44	205.51
33 42 26 23-0054	EA	19" x 30" Elliptical Mitered Precast Concrete End Sections	1,103.24	284.44

33 42 31 Stormwater Area Drains and Inlets *(33 42)*

33 42 31 00-0001 Storm Drains *(33 42 31)*
See CSI section 33 05 61 00-0001 for manhole structures.

33 42 31 00-0002 Catch Basins And Inlet Basins *(33 42 31 00-0001)*
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)*
Note: Inside dimensions.

33 42 31 00-0004		3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,949.83	368.50
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,326.32	431.76
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,702.82	494.91
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,079.31	558.18
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,455.81	621.33
33 42 31 00-0010		3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,479.90	366.27
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,075.23	488.37
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,936.40	665.95
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,786.95	776.95
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,470.58	887.93
33 42 31 00-0016		4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,663.99	399.57
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,689.23	554.96
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,519.11	721.45
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,218.96	832.45
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,622.24	1,065.53

33 42 31 00-0022 Cast In Place, Catch Basin *(33 42 31 00-0002)*
Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.

33 42 31 00-0023		3' x 3', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,426.05	445.52
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,574.03	473.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,809.97	508.79
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,158.14	563.18
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,403.52	599.47
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,565.75	628.66
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,811.34	664.95
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,969.34	694.26
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,217.22	730.44
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,377.15	759.74
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,622.63	796.03
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	577.86	99.45
33 42 31 00-0036		**3'-6" x 3'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,793.23	515.01
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,980.97	551.19
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,226.65	587.48
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,633.66	650.64
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,903.64	691.70
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,090.23	725.78
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,364.19	766.85
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,550.80	800.92
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,822.94	841.99
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,009.07	876.07
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,281.33	917.13
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	660.19	114.65
33 42 31 00-0049		**4' x 4', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,186.63	589.15
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,384.10	626.55
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,667.25	670.83
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,133.77	742.87
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,432.24	788.71
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,644.92	827.67
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,943.37	873.51
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,156.53	912.47
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,454.99	958.31
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,667.67	997.26
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,966.14	1,043.22
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	745.73	130.41
33 42 31 00-0062		**4'-6" x 4'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,696.58	683.16
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,928.52	721.78
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,244.42	771.73
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,776.69	853.64
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,110.39	905.36
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,358.43	950.09
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,691.66	1,001.82
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,939.70	1,046.65
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,273.40	1,098.38
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,519.14	1,143.11
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,854.65	1,194.83
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	856.89	149.40
33 42 31 00-0075		**5' x 5', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,754.15	866.51
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,347.14	957.53
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,709.77	1,014.24
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,984.46	1,063.97
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,342.98	1,120.58
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,619.94	1,170.30
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,980.28	1,227.02
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,253.13	1,276.74
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,615.77	1,333.35
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,306.77	166.71
33 42 31 00-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,288.84	966.30
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,175.56	1,093.84
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,579.61	1,156.87
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,895.70	1,213.37
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,301.56	1,276.85
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,619.93	1,333.35
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,023.98	1,396.83
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,340.06	1,453.33
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,744.10	1,516.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,093.01	189.57
33 42 31 00-0097		**6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,852.02	1,070.74
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,829.68	1,210.70
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,263.31	1,279.30
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,609.47	1,340.90
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,040.81	1,409.49
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,388.79	1,471.09
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,820.61	1,539.68
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,166.30	1,601.29
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,599.92	1,669.87
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,200.04	208.78
33 42 31 00-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,439.57	1,180.18
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,805.57	1,367.32
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,285.01	1,443.23
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,678.68	1,512.16
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,158.13	1,587.96
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,551.80	1,657.01
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,031.24	1,732.81
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,424.91	1,801.73
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,906.18	1,877.65
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,363.21	234.75
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	7,054.00	1,294.39
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,550.56	1,498.62
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,060.27	1,579.87
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,482.49	1,654.00
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,994.38	1,735.14
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,416.60	1,809.40
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,926.31	1,890.53
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,350.81	1,964.78
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,860.41	2,045.92
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,482.61	255.72
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	8,030.28	1,452.78
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,325.93	1,635.25
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,864.07	1,721.71
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,318.85	1,801.18
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,859.17	1,887.64
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,313.94	1,967.12
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,852.09	2,053.58
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,306.86	2,133.05
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,847.31	2,219.51
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,605.87	277.48
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,729.94	1,580.64
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,129.60	1,777.21
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,698.59	1,868.89
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,183.63	1,953.68
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,752.51	2,045.37
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,232.97	2,130.16
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,806.43	2,221.84
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,291.46	2,306.64
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,850.48	2,398.32
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,732.54	299.79
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	733.62	227.92
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,020.87	341.89
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,294.00	444.44
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,549.57	525.35
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,908.59	666.67
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,183.53	769.23
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	152.11	51.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	835.84	253.56
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,156.73	376.07
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,460.46	495.73
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,743.30	578.35
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,160.23	740.75
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,468.29	854.70
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	172.00	61.54
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	1,102.62	299.15
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,505.38	442.16
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,891.69	584.05
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,355.92	729.35
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,783.05	869.52
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	3,195.45	1,011.97
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	219.86	72.28
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,333.44	332.76
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,734.58	455.84
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	2,323.83	683.76
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	2,899.83	854.70
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	3,428.05	1,025.65
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	3,939.79	1,196.59
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	270.42	85.47
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,795.25	455.84
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	2,458.64	683.76
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	3,125.40	911.68
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	3,822.52	1,139.61
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	4,509.53	1,367.53
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	5,248.69	1,595.45
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	359.80	113.97
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	2,627.15	683.76
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	3,562.85	1,025.65
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	4,563.41	1,367.53
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	5,687.41	1,709.41
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	6,777.71	2,051.29
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	7,843.22	2,393.18
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	536.35	170.94
33 42 31 00-0201		**Precast Catch Basins Accessories** *(33 42 31 00-0152)*		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,589.82	740.75
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	726.82	91.16
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	409.37	96.87
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	510.77	142.45
		For Each Additional Inch In Height, Add	*61.37*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	602.55	170.94
		For Each Additional Inch In Height, Add	*71.91*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	702.80	199.43
		For Each Additional Inch In Height, Add	*83.93*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	880.35	284.90
		For Each Additional Inch In Height, Add	*99.29*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	683.72	
33 42 31 00-0210		**Catch Basin Risers** *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	425.37	
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	475.26	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	534.60	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	457.98	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	511.23	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	576.98	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	506.80	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	554.08	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	620.05	
33 42 31 00-0220		**Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)*		
		Note: Inside span.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,091.88	878.84
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,825.84	1,002.92
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,657.56	1,138.23
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,985.35	1,365.43
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,731.63	1,648.45
33 42 31 00-0226		Precast Concrete Inlet Boxes *(33 42 31 00-0002)*		
		Note: Inside dimensions.		
33 42 31 00-0227		Precast Concrete Inlet Boxes *(33 42 31 00-0226)*		
33 42 31 00-0228		24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
		Note: Yard inlet.		
33 42 31 00-0229		24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0228)*		
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	918.32	79.77
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,078.96	96.87
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,239.61	113.97
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,401.68	131.77
33 42 31 00-0234		24" x 24" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0228)*		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	223.33	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	366.89	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	521.83	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	676.78	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	831.73	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	986.69	
33 42 31 00-0241		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0242		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0241)*		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,869.19	223.62
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,101.13	258.56
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,333.07	293.50
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,565.18	328.52
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,797.29	363.55
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,029.40	398.57
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,261.50	433.60
33 42 31 00-0250		22" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0241)*		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	436.79	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	714.05	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	771.08	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	990.13	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,209.16	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,419.60	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,651.54	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,883.48	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,115.59	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,347.70	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,579.81	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,811.91	
33 42 31 00-0263		30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0264		30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0263)*		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,795.51	245.98
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,027.07	284.42
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,258.62	322.85
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,490.36	361.38
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,722.11	399.90
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,953.84	438.43
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	3,185.58	476.95
33 42 31 00-0272		30" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0263)*		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	432.16	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	698.84	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	757.00	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	970.94	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,184.89	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,397.71	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,626.19	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,853.56	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,082.03	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,309.40	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,537.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,766.35	
33 42 31 00-0285		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0286		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0285)*		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,141.14	268.34
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,413.31	311.95
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,685.50	356.67
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,956.57	400.28
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,228.75	445.00
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,500.95	488.60
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,772.00	532.21
33 42 31 00-0294		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0285)*		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	479.27	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	790.83	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	850.66	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,094.32	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,338.00	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,581.68	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,840.44	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,099.22	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,357.99	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,616.75	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,875.52	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	3,134.29	
33 42 31 00-0307		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0285)*		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,211.04	167.72
33 42 31 00-0309		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0310		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0309)*		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,057.07	298.15
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,423.17	347.17
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,789.29	396.17
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,155.04	445.00
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,520.80	493.83
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,886.56	542.67
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	5,252.31	591.49
33 42 31 00-0318		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0309)*		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	480.54	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	778.45	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,139.72	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,500.98	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,843.63	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,204.90	
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,571.00	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,937.12	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,302.88	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,668.63	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,034.39	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,400.14	
33 42 31 00-0331		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0309)*		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,316.34	181.69
33 42 31 00-0333		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0334		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0333)*		
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,516.76	375.68
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,917.24	438.45
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,317.71	501.21
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,717.50	563.63
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,117.29	626.06
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,517.07	688.48
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,916.85	750.90
33 42 31 00-0342		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0333)*		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	525.40	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	831.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,231.82	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,631.98	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,000.86	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,401.02	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,801.49	
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,201.97	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,601.76	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,001.54	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,401.33	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,801.11	
33 42 31 00-0355		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0333)*		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,463.12	203.49
33 42 31 00-0357		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0358		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0357)*		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,395.96	506.49
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,901.77	590.35
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,407.61	673.09
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,912.33	756.95
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,418.15	839.69
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,922.88	922.42
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,429.82	1,006.28
33 42 31 00-0366		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0357)*		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	700.39	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,089.93	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,587.94	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,085.94	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,551.52	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,049.53	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,555.35	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,061.19	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,565.90	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,071.73	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,576.45	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	6,082.28	
33 42 31 00-0379		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)*		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	2,008.03	223.62
33 42 31 00-0381		**Frames And Grates For Inlets** *(33 42 31 00-0226)*		
33 42 31 00-0382		**Inlet Frames And Grates** *(33 42 31 00-0381)*		
33 42 31 00-0383	EA	24" x 24", Heavy-Duty Inlet Grate Note: For type A, B, D, or E inlets.	424.63	52.27
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	551.88	52.27
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	551.88	52.27
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	551.88	52.27
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	605.14	52.27
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	443.41	104.55
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	517.96	104.55
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	644.79	130.69
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	548.93	130.69
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	559.58	130.69
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	580.88	130.69
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	602.18	130.69
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	580.88	130.69
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	602.18	130.69
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	623.49	130.69
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	900.40	130.69
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	943.01	130.69
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	985.61	130.69
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	666.09	130.69
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	602.18	130.69
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	602.18	130.69
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,243.10	130.69
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,243.10	130.69
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	500.52	143.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.88	143.76
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.88	143.76
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	777.43	143.76
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM)	894.59	143.76
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM)	766.78	143.76
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,096.96	143.76
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	969.15	143.76
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,248.95	209.09
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	2,015.80	209.09
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,217.00	209.09
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,915.69	209.09
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,043.83	313.64
33 42 31 00-0419	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,092.10	418.19
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,295.53	418.19
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,295.53	418.19
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,029.26	418.19
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,029.26	418.19
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,380.74	418.19
33 42 31 00-0425		Catch Basin Frames And Covers *(33 42 31 00-0001)*		
33 42 31 00-0426		Cast Iron Frames And Covers *(33 42 31 00-0425)*		
33 42 31 00-0427	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,109.46	113.97
33 42 31 00-0428	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,413.33	128.77
33 42 31 00-0429	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,608.84	133.33
33 42 31 00-0430	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,816.59	154.98
33 42 31 00-0431	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,141.58	176.64
33 42 31 00-0432	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,458.10	184.62
33 42 31 00-0433	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,858.50	140.17
33 42 31 00-0434	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,436.21	161.83
33 42 31 00-0435	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,763.40	168.66
33 42 31 00-0436	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,605.43	168.66
33 42 31 00-0437	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,692.06	175.49
33 42 31 00-0438	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	2,894.52	182.34
33 42 31 00-0439	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,493.53	196.01
33 42 31 00-0440		Area Yard Drain *(33 42 31 00-0001)* See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441		Ductile Iron Grates *(33 42 31 00-0440)* Note: Not for traffic loading.		
33 42 31 00-0442	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	163.35	40.50
33 42 31 00-0443	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	199.07	43.21
33 42 31 00-0444	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	454.55	54.01
33 42 31 00-0445	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	543.19	64.81
33 42 31 00-0446		Concrete Drainage Inlet Structures (CALTRANS) *(33 42 31 00-0001)*		
33 42 31 00-0447		Type OS Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0448	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,840.02	
33 42 31 00-0449	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,300.27	
33 42 31 00-0450	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,727.92	
33 42 31 00-0451	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,122.93	
33 42 31 00-0452	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,485.34	
33 42 31 00-0453	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,815.14	
33 42 31 00-0454	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,552.03	
33 42 31 00-0455	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,639.36	
33 42 31 00-0456	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,643.45	
33 42 31 00-0457	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,566.57	
33 42 31 00-0458	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,456.31	
33 42 31 00-0459	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,275.12	
33 42 31 00-0460	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	12,023.01	
33 42 31 00-0461		Type OL-7 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0462	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,867.27	
33 42 31 00-0463	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,297.70	
33 42 31 00-0464	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,695.53	
33 42 31 00-0465	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,060.75	
33 42 31 00-0466	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,392.20	
33 42 31 00-0467	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,692.18	
33 42 31 00-0468	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,377.49	
33 42 31 00-0469	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,439.51	
33 42 31 00-0470	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,418.29	
33 42 31 00-0471	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,314.95	
33 42 31 00-0472	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,182.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0473	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,979.82	
33 42 31 00-0474	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,705.87	
33 42 31 00-0475		**Type OL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0476	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,813.95	
33 42 31 00-0477	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,217.16	
33 42 31 00-0478	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,586.61	
33 42 31 00-0479	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,924.59	
33 42 31 00-0480	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,228.82	
33 42 31 00-0481	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,500.43	
33 42 31 00-0482	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,202.93	
33 42 31 00-0483	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,238.51	
33 42 31 00-0484	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,193.12	
33 42 31 00-0485	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,064.48	
33 42 31 00-0486	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,909.39	
33 42 31 00-0487	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,684.53	
33 42 31 00-0488	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,387.58	
33 42 31 00-0489		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0490	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,163.45	
33 42 31 00-0491	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,526.52	
33 42 31 00-0492	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,856.97	
33 42 31 00-0493	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,154.80	
33 42 31 00-0494	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,420.01	
33 42 31 00-0495	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,652.63	
33 42 31 00-0496	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,372.32	
33 42 31 00-0497	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,371.95	
33 42 31 00-0498	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,289.47	
33 42 31 00-0499	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,124.87	
33 42 31 00-0500	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,939.89	
33 42 31 00-0501	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,682.84	
33 42 31 00-0502	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,354.85	
33 42 31 00-0503		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0504	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,902.78	
33 42 31 00-0505	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,185.96	
33 42 31 00-0506	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,436.53	
33 42 31 00-0507	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,654.48	
33 42 31 00-0508	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,838.69	
33 42 31 00-0509	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,991.41	
33 42 31 00-0510	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,659.51	
33 42 31 00-0511	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,588.32	
33 42 31 00-0512	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,435.03	
33 42 31 00-0513	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,199.61	
33 42 31 00-0514	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,953.42	
33 42 31 00-0515	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,635.15	
33 42 31 00-0516	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,245.96	
33 42 31 00-0517		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0518	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,693.09	
33 42 31 00-0519	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,168.27	
33 42 31 00-0520	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,606.03	
33 42 31 00-0521	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,006.36	
33 42 31 00-0522	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,370.43	
33 42 31 00-0523	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,698.21	
33 42 31 00-0524	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,529.68	
33 42 31 00-0525	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,712.55	
33 42 31 00-0526	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,803.09	
33 42 31 00-0527	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,800.19	
33 42 31 00-0528	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,767.01	
33 42 31 00-0529	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,654.04	
33 42 31 00-0530	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,460.17	
33 42 31 00-0531		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0532	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,720.34	
33 42 31 00-0533	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,164.56	
33 42 31 00-0534	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,572.51	
33 42 31 00-0535	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,944.18	
33 42 31 00-0536	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,278.43	
33 42 31 00-0537	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,575.25	
33 42 31 00-0538	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,406.71	
33 42 31 00-0539	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,562.06	
33 42 31 00-0540	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,625.08	
33 42 31 00-0541	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,595.78	
33 42 31 00-0542	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,538.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0543	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,401.94	
33 42 31 00-0544	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,185.33	
33 42 31 00-0545		**Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0546	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,913.49	
33 42 31 00-0547	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,288.16	
33 42 31 00-0548	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,635.54	
33 42 31 00-0549	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,957.91	
33 42 31 00-0550	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,255.28	
33 42 31 00-0551	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,525.37	
33 42 31 00-0552		**Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0553	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,638.60	
33 42 31 00-0554	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,059.81	
33 42 31 00-0555	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,451.22	
33 42 31 00-0556	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,812.81	
33 42 31 00-0557	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,144.59	
33 42 31 00-0558	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,445.40	
33 42 31 00-0559	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,018.93	
33 42 31 00-0560	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,022.14	
33 42 31 00-0561	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,949.85	
33 42 31 00-0562	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,802.07	
33 42 31 00-0563	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,623.56	
33 42 31 00-0564	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,379.87	
33 42 31 00-0565	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,069.85	
33 42 31 00-0566		**Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0567	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,074.62	
33 42 31 00-0568	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,444.12	
33 42 31 00-0569	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,787.47	
33 42 31 00-0570	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,105.83	
33 42 31 00-0571	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,396.88	
33 42 31 00-0572	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,662.95	
33 42 31 00-0573		**Type G-4_24 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0574	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,558.04	
33 42 31 00-0575	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,981.83	
33 42 31 00-0576	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,375.82	
33 42 31 00-0577	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,738.84	
33 42 31 00-0578	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,073.21	
33 42 31 00-0579	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,376.62	
33 42 31 00-0580	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,984.54	
33 42 31 00-0581	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,989.60	
33 42 31 00-0582	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,918.04	
33 42 31 00-0583	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,770.98	
33 42 31 00-0584	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,593.06	
33 42 31 00-0585	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,349.94	
33 42 31 00-0586	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,041.64	
33 42 31 00-0587		**Type G-4_18 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0588	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,638.60	
33 42 31 00-0589	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,059.81	
33 42 31 00-0590	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,451.22	
33 42 31 00-0591	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,812.81	
33 42 31 00-0592	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,144.59	
33 42 31 00-0593	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,445.40	
33 42 31 00-0594	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,018.93	
33 42 31 00-0595	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,022.14	
33 42 31 00-0596	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,949.85	
33 42 31 00-0597	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,802.07	
33 42 31 00-0598	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,623.56	
33 42 31 00-0599	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,379.87	
33 42 31 00-0600	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,069.85	
33 42 31 00-0601		**Type G-5 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0602	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,054.49	
33 42 31 00-0603	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,424.35	
33 42 31 00-0604	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,769.20	
33 42 31 00-0605	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,086.77	
33 42 31 00-0606	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,379.33	
33 42 31 00-0607	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,645.75	
33 42 31 00-0608		**Type G-6 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0609	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,094.78	
33 42 31 00-0610	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,463.91	
33 42 31 00-0611	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,806.91	
33 42 31 00-0612	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,123.74	
33 42 31 00-0613	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,414.44	
33 42 31 00-0614	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,680.14	
33 42 31 00-0615		**Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0616	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,504.72	
33 42 31 00-0617	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,082.39	
33 42 31 00-0618	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,659.13	
33 42 31 00-0619	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,115.63	
33 42 31 00-0620	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,570.05	
33 42 31 00-0621	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,984.54	
33 42 31 00-0622		**Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0623	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,249.96	
33 42 31 00-0624	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,878.93	
33 42 31 00-0625	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,461.86	
33 42 31 00-0626	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,999.88	
33 42 31 00-0627	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,491.86	
33 42 31 00-0628	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,938.97	
33 42 31 00-0629	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,286.34	
33 42 31 00-0630	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,765.40	
33 42 31 00-0631	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,131.44	
33 42 31 00-0632	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,385.60	
33 42 31 00-0633	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,596.36	
33 42 31 00-0634	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,709.41	
33 42 31 00-0635	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,724.76	
33 42 31 00-0636		**Type GT3 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0637	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,484.57	
33 42 31 00-0638	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,062.62	
33 42 31 00-0639	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,600.71	
33 42 31 00-0640	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,097.72	
33 42 31 00-0641	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,552.50	
33 42 31 00-0642	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,967.33	
33 42 31 00-0643		**Type GT4 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0644	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,390.96	
33 42 31 00-0645	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,015.12	
33 42 31 00-0646	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,594.38	
33 42 31 00-0647	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,127.59	
33 42 31 00-0648	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,615.91	
33 42 31 00-0649	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,059.33	
33 42 31 00-0650	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,303.54	
33 42 31 00-0651	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,782.24	
33 42 31 00-0652	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,147.91	
33 42 31 00-0653	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,400.58	
33 42 31 00-0654	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,611.05	
33 42 31 00-0655	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,723.81	
33 42 31 00-0656	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,738.86	
33 42 31 00-0657		**Type GO Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0658	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,497.61	
33 42 31 00-0659	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,903.85	
33 42 31 00-0660	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,281.00	
33 42 31 00-0661	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,629.06	
33 42 31 00-0662	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,948.02	
33 42 31 00-0663	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,239.04	
33 42 31 00-0664	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,829.76	
33 42 31 00-0665	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,803.10	
33 42 31 00-0666	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,701.38	
33 42 31 00-0667	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,526.91	
33 42 31 00-0668	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,324.13	
33 42 31 00-0669	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,056.32	
33 42 31 00-0670	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,725.71	
33 42 31 00-0671		**Type GDO Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0672	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,263.01	
33 42 31 00-0673	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,797.01	
33 42 31 00-0674	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,292.95	
33 42 31 00-0675	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,751.95	
33 42 31 00-0676	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,171.74	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0677	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,554.61	
	33 42 31 00-0678	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,497.86	
	33 42 31 00-0679	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,752.37	
	33 42 31 00-0680	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,911.70	
	33 42 31 00-0681	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,976.98	
	33 42 31 00-0682	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,004.31	
	33 42 31 00-0683	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,949.35	
	33 42 31 00-0684	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	13,812.09	
33 42 33	**Stormwater Curbside Drains and Inlets** *(33 42)*				
33 42 33 00-0001	Curb Inlet Frames And Covers *(33 42 33)*				
33 42 33 00-0002	Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*				
	33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,334.11	133.33
	33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,493.77	154.98
	33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,597.26	154.98
	33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,843.68	182.34
	33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,807.67	194.87
33 42 36	**Stormwater Trench Drains** *(33 42)*				
33 42 36 00-0001	Modular Trench Drains *(33 42 36)* See CSI section 03 31 13 00-0011 for concrete.				
33 42 36 00-0002	Modular Trench Drains *(33 42 36 00-0001)* Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.				
33 42 36 00-0003	4" Wide, Modular Trench Drains *(33 42 36 00-0002)*				
33 42 36 00-0004	4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*				
33 42 36 00-0005	4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*				
	33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	70.72	18.23
			For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
			For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
			For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
			For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
			For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0007	Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*				
	33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	53.77	
	33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.17	
	33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.17	
33 42 36 00-0011	6" Wide, Modular Trench Drains *(33 42 36 00-0002)*				
33 42 36 00-0012	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*				
33 42 36 00-0013	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*				
	33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	223.23	18.23
			For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
			For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
			For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
			For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
			For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0015	Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*				
	33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	101.41	
	33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.81	
	33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.81	
33 42 36 00-0019	Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*				
	33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.17	
	33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.17	
	33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	930.50	
	33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,804.02	
	33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	325.87	18.23
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	110.14	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.54	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.54	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.17	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.17	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	930.50	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,804.02	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	421.96	18.23
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	180.02	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.42	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.42	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.17	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.17	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	930.50	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,804.02	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0052		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	493.20	
33 42 36 00-0054		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	195.42	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	237.98	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	74.95	
33 42 36 00-0058		12" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0059		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0060		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0061	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	421.39	25.07
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0062		Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0063	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	209.46	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.65	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.65	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0066		Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	350.95	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	460.14	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,834.70	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,581.74	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0072		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0073		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	530.58	25.07
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0075		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.20	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.39	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.39	
33 42 36 00-0079		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	350.95	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	460.14	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,834.70	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,581.74	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	748.96	25.07
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	545.77	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	560.96	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	560.96	
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	350.95	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	460.14	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,834.70	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,581.74	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	661.50	
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	332.55	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	573.08	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	131.79	
33 42 36 00-0105		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0106		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0105)*		
33 42 36 00-0107		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	590.97	34.19
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	
33 42 36 00-0109		**Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0106)*		
33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	669.45	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	974.81	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	974.81	
33 42 36 00-0113		**Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0106)*		
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	798.51	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,636.51	
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,130.59	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	
33 42 36 00-0118		**Modular Trench Drain Grates** *(33 42 36 00-0001)*		
33 42 36 00-0119		**4" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	45.20	3.42
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	47.53	3.42
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.23	3.42
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.14	3.42
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.23	3.42
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.14	3.42
33 42 36 00-0126		**6" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.34	3.42
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	182.37	3.42
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.54	3.42
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	167.30	3.42
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	180.40	3.42
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	182.59	3.42
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	182.59	3.42
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	180.40	3.42
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	158.57	3.42
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	158.57	3.42
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	168.61	3.42
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	168.61	3.42
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	219.71	3.42
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	219.71	3.42
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	403.15	3.42
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	403.15	3.42
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,123.81	3.42
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	149.83	3.42
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	324.53	3.42
33 42 36 00-0146		**12" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	595.90	3.70
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	569.69	3.70
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	495.44	3.70
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	520.55	3.70
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	449.58	3.70
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	880.88	3.70
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	880.88	3.70
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,124.38	3.70
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,124.38	3.70
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,435.57	3.70
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,435.57	3.70
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,362.41	3.70
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	642.85	3.70
33 42 36 00-0160		**23" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	941.50	3.99
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	793.00	3.99
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,229.76	3.99
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	910.92	3.99

33 44 Storm Utility Water Drains *(33 40)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,698.22	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	24,080.24	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	28,819.47	
		For Interior Polyurethane Coating, Add	*1,340.10*	

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,544.63	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	35,118.49	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,863.84	
		For Interior Polyurethane Coating, Add	*1,340.10*	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	49,872.96	
		For Interior Polyurethane Coating, Add	*1,550.70*	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,207.83	
		For Interior Polyurethane Coating, Add	*2,057.80*	

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,232.60	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,674.63	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	991.18	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	734.12	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	252.13	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,194.75	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,389.47	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,584.31	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	758.22	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	895.32	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,790.66	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,971.30	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,079.55	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,406.76	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,948.17	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,550.53	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,565.92	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,731.26	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,226.51	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,962.24	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0041		Oil Skimmers *(33 44 36)*		
33 44 36 00-0042		Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*		
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,316.33	733.61
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,552.13	733.61
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,338.17	733.61
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,640.55	733.61
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,585.97	733.61
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,785.74	733.61
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,637.27	733.61
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,938.57	733.61
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,058.97	978.35
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,311.14	978.35
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,125.56	978.35
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,487.99	978.35
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,696.49	978.35
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,948.66	978.35
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,749.98	978.35
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,113.50	978.35
33 44 36 00-0059		Oil Skimmers, Add-Ons *(33 44 36 00-0041)*		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	283.81	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	331.84	

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*		
33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	607.77	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	561.02	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	527.15	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	494.37	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	253.32	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	224.29	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	207.26	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	190.48	
33 46 23 00-0011		85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*		
33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	345.88	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	316.95	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	296.72	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	278.20	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	197.95	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	176.41	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	163.18	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	151.34	
33 46 23 00-0020		90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)*		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	1,034.49	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	964.39	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	908.13	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	856.90	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	871.43	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	809.46	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	760.96	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	717.08	
33 46 23 00-0029		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	631.15	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	583.25	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	548.26	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	514.41	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	253.32	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	219.87	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	207.26	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	190.48	
33 46 23 00-0038		52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,075.36	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,001.19	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	940.90	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	888.60	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,339.36	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,251.98	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,179.16	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,114.95	
33 46 23 00-0047		Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	65.09	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	82.82	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	108.01	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	136.46	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	758.71	
33 46 53		**Stormwater Leaching Pits** *(33 46)*		
33 46 53 00-0001		Drainage Wells *(33 46 53)* Note: Includes augering hole.		
33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	34.40	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	42.40	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	57.39	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001		Gas Distribution Lines *(33 52 16 13)* Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002		Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*		
33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	21.38	3.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	24.68	3.54
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	28.31	3.63
33 52 16 13-0006	LF	1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	29.05	3.72
33 52 16 13-0007	LF	1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	30.16	3.77
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	31.94	4.04
33 52 16 13-0009	LF	2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	44.40	4.69
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	55.35	5.92
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	74.78	7.14
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	101.33	8.28
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	127.47	10.11
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	185.90	13.00

33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,773.37	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,711.00	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,885.76	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	4,850.29	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	7,531.73	

33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,606.23	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,650.34	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,713.45	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,774.35	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,818.31	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,064.93	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,144.54	

33 52 16 13-0030 Protective Pipe And Fitting Wrap *(33 52 16 13-0001)*

Note: Includes cleaning and priming pipe.

33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe *(33 52 16 13-0030)*

Note: Field applied.

33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.12	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.33	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.58	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.14	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.51	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.32	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.70	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.55	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	12.04	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	15.98	

33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings *(33 52 16 13-0030)*

Note: Field applied.

33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.72	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.72	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	28.04	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	31.61	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	31.61	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	37.43	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	49.96	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	68.57	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	69.40	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	79.91	

33 52 16 13-0053 Service Fittings *(33 52 16 13-0001)*

33 52 16 13-0054 Brass Fittings *(33 52 16 13-0053)*

33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	41.82	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	48.66	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	61.84	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	76.93	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	86.41	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	112.82	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	36.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	41.58	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	54.10	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	70.19	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	80.37	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	107.85	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	29.97	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	38.57	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	50.26	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	71.58	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	86.73	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	116.79	
33 52 16 13-0073		**Anodeless Gas Riser** *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodeless Gas Riser	106.49	
33 52 16 13-0075	EA	1" Anodeless Gas Riser	131.80	
33 52 16 13-0076	EA	1-1/4" Anodeless Gas Riser	154.76	
33 52 16 13-0077	EA	1-1/2" Anodeless Gas Riser	193.89	
33 52 16 13-0078	EA	2" Anodeless Gas Riser	222.81	
33 52 16 13-0079		**Brass Service Adapter** *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	74.46	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	81.93	
33 52 16 13-0082	EA	1" Brass Service Adapter	97.98	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	115.94	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	136.21	
33 52 16 13-0085	EA	2" Brass Service Adapter	160.41	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	288.25	
33 52 16 13-0087	EA	3" Brass Service Adapter	351.78	
33 52 16 13-0088	EA	4" Brass Service Adapter	504.75	
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		**Medium Density Polyethylene (MDPE) Gas Distribution Piping** *(33 52 16 23)* Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.61	2.00
		For Colors, Add	*0.07*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.14	2.14
		For SDR 13.5, Deduct	*-0.13*	
		For Colors, Add	*0.09*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.66	2.30
		For SDR 13.5, Deduct	*-0.16*	
		For Colors, Add	*0.11*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.23	2.43
		For SDR 13.5, Deduct	*-0.20*	
		For Colors, Add	*0.13*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.20	2.93
		For SDR 13.5, Deduct	*-0.28*	
		For Colors, Add	*0.18*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.17	3.18
		For SDR 13.5, Deduct	*-0.37*	
		For SDR 15.5, Deduct	*-0.67*	
		For Colors, Add	*0.24*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.41	3.74
		For SDR 13.5, Deduct	*-0.61*	
		For SDR 15.5, Deduct	*-1.12*	
		For Colors, Add	*0.39*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	12.80	4.44
		For SDR 13.5, Deduct	*-0.83*	
		For SDR 15.5, Deduct	*-1.53*	
		For Colors, Add	*0.54*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	20.55	4.93
		For SDR 13.5, Deduct	*-1.54*	
		For SDR 15.5, Deduct	*-2.83*	
		For Colors, Add	*0.99*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	26.15	4.93
		For SDR 13.5, Deduct	*-2.13*	
		For SDR 15.5, Deduct	*-3.92*	
		For Colors, Add	*1.38*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	31.89	4.93
		For SDR 13.5, Deduct	*-2.73*	
		For SDR 15.5, Deduct	*-5.02*	
		For Colors, Add	*1.76*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	47.75	6.17
		For SDR 13.5, Deduct	*-4.54*	
		For SDR 15.5, Deduct	*-8.36*	
		For Colors, Add	*2.93*	
33 52 16 26		**High-Density Polyethylene (HDPE) Piping for Natural Gas** *(33 52 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0001		**High-Density Polyethylene (HDPE) Gas Distribution Piping** *(33 52 16 26)* Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.69	2.00
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.26	2.14
		For SDR 13.5, Deduct	*-0.15*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.78	2.30
		For SDR 13.5, Deduct	*-0.18*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.39	2.43
		For SDR 13.5, Deduct	*-0.22*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.42	2.93
		For SDR 13.5, Deduct	*-0.31*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	8.47	3.18
		For SDR 13.5, Deduct	*-0.40*	
		For SDR 15.5, Deduct	*-0.74*	
		For SDR 17, Deduct	*-1.08*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	10.91	3.74
		For SDR 13.5, Deduct	*-0.67*	
		For SDR 15.5, Deduct	*-1.23*	
		For SDR 17, Deduct	*-1.79*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	13.47	4.44
		For SDR 13.5, Deduct	*-0.92*	
		For SDR 15.5, Deduct	*-1.68*	
		For SDR 17, Deduct	*-2.44*	
		For SDR 21, Deduct	*-3.34*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	21.79	4.93
		For SDR 13.5, Deduct	*-1.69*	
		For SDR 15.5, Deduct	*-3.11*	
		For SDR 17, Deduct	*-4.52*	
		For SDR 21, Deduct	*-6.18*	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	34.09	4.93
		For SDR 13.5, Deduct	*-3.00*	
		For SDR 15.5, Deduct	*-5.52*	
		For SDR 17, Deduct	*-8.02*	
		For SDR 21, Deduct	*-10.97*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	51.42	6.17
		For SDR 13.5, Deduct	*-5.00*	
		For SDR 15.5, Deduct	*-9.19*	
		For SDR 17, Deduct	*-13.35*	
		For SDR 21, Deduct	*-18.26*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001		**Gas Pressure Regulators With Screwed And Flanged Ends** *(33 53 16)*		
33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	235.97	21.25
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	240.79	21.25
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	252.36	25.23
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	816.45	29.20
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	877.42	45.23
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,450.14	101.47
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	3,399.37	134.47

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001		**Diaphragm Meters** *(33 59 11)* Note: With standard direct-digital reading maximum working pressures 5 lb. to 100 lb., threaded connections. Excludes pressure and temperature compensation.		
33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	596.60	83.13
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,152.94	127.13
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,343.09	127.13
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	2,865.34	158.93
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,251.16	195.60
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,224.01	158.93
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,713.23	195.60
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	6,195.31	207.82
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	8,742.21	244.49
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	13,371.87	403.42
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	10,774.85	418.04
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,372.89	485.47
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	17,562.23	524.73
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	34,080.55	638.80
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	56,485.89	798.50

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,631.47	
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,801.36	
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,801.36	
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,141.12	
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	3,043.63	
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,524.97	
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,366.03	
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	2,958.69	
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	2,958.69	
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,351.54	
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,407.84	
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	6,258.66	
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,375.24	
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	4,065.39	
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	4,065.39	
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,675.38	
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	6,332.98	
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	7,197.79	
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	9,159.29	
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	9,159.29	
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	9,491.98	
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	10,123.13	
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	11,359.50	
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	14,032.80	
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	19,115.04	

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	1,956.32	
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	3,199.61	
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	5,900.34	
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	10,480.83	
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	15,514.06	
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	18,224.01	
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	20,933.54	

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,917.39	
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	3,199.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	6,169.32	
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	17,403.58	
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	15,514.06	
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	18,224.01	
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	20,933.54	

33 61 13 00-0044 Tee, Glass Lined Steel Fittings *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	3,040.95	
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	5,223.55	
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	7,737.26	
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	13,356.50	
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	19,012.22	
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	22,404.08	
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	25,737.52	

33 61 13 00-0052 Prefabricated/Preinsulated Pipe *(33 61 13)*

Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0054 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	193.09	21.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.30*	
		For Schedule 80 Pipe, Add	*32.96*	
33 61 13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	211.76	22.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.62*	
		For Schedule 80 Pipe, Add	*36.25*	
33 61 13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	236.56	24.32
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.08*	
		For Schedule 80 Pipe, Add	*40.83*	
33 61 13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	253.33	25.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.38*	
		For Schedule 80 Pipe, Add	*43.82*	
33 61 13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	265.39	27.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.58*	
		For Schedule 80 Pipe, Add	*45.81*	
33 61 13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	293.90	33.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.98*	
		For Schedule 80 Pipe, Add	*49.79*	
33 61 13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	323.72	41.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.38*	
		For Schedule 80 Pipe, Add	*53.78*	
33 61 13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	408.43	52.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.77*	
		For Schedule 80 Pipe, Add	*67.72*	
33 61 13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	518.73	64.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.66*	
		For Schedule 80 Pipe, Add	*86.64*	
33 61 13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	603.11	75.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.06*	
		For Schedule 80 Pipe, Add	*100.58*	
33 61 13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	853.02	90.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.64*	
		For Schedule 80 Pipe, Add	*146.39*	
33 61 13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,110.06	108.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.32*	
		For Schedule 80 Pipe, Add	*193.20*	
33 61 13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,382.30	132.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.10*	
		For Schedule 80 Pipe, Add	*241.00*	

33 61 13 00-0068 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	209.58	21.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.63*	
		For Schedule 80 Pipe, Add	*36.26*	
33 61 13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.89	22.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.99*	
		For Schedule 80 Pipe, Add	*39.87*	
33 61 13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	256.98	24.32
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.49*	
		For Schedule 80 Pipe, Add	*44.91*	
33 61 13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	275.24	25.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.82*	
		For Schedule 80 Pipe, Add	*48.20*	
33 61 13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	288.29	27.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
		For Schedule 80 Pipe, Add	*50.39*	
33 61 13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.80	33.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.48*	
		For Schedule 80 Pipe, Add	*54.77*	
33 61 13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	350.61	41.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
		For Schedule 80 Pipe, Add	*59.15*	
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	442.29	52.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.45*	
		For Schedule 80 Pipe, Add	*74.49*	
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	562.05	64.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.53*	
		For Schedule 80 Pipe, Add	*95.30*	
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	653.40	75.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.06*	
		For Schedule 80 Pipe, Add	*110.64*	
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	926.22	90.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.10*	
		For Schedule 80 Pipe, Add	*161.03*	
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,206.65	108.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.25*	
		For Schedule 80 Pipe, Add	*212.51*	
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,502.80	132.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.51*	
		For Schedule 80 Pipe, Add	*265.10*	

33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	217.82	21.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.79*	
		For Schedule 80 Pipe, Add	*37.91*	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	238.95	22.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.17*	
		For Schedule 80 Pipe, Add	*41.69*	
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	267.18	24.32
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.70*	
		For Schedule 80 Pipe, Add	*46.95*	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	286.19	25.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
		For Schedule 80 Pipe, Add	*50.39*	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.74	27.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.27*	
		For Schedule 80 Pipe, Add	*52.68*	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	331.25	33.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.73*	
		For Schedule 80 Pipe, Add	*57.26*	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.05	41.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.18*	
		For Schedule 80 Pipe, Add	*61.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	459.22	52.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
		For Schedule 80 Pipe, Add	*77.88*	
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	583.71	64.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.96*	
		For Schedule 80 Pipe, Add	*99.64*	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	678.54	75.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.57*	
		For Schedule 80 Pipe, Add	*115.67*	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	962.81	90.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.83*	
		For Schedule 80 Pipe, Add	*168.35*	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,254.95	108.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.22*	
		For Schedule 80 Pipe, Add	*222.17*	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,563.05	132.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.71*	
		For Schedule 80 Pipe, Add	*277.15*	

33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	230.18	21.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.04*	
		For Schedule 80 Pipe, Add	*40.38*	
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	252.55	22.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.44*	
		For Schedule 80 Pipe, Add	*44.41*	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	282.49	24.32
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
		For Schedule 80 Pipe, Add	*50.02*	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	302.62	25.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
		For Schedule 80 Pipe, Add	*53.68*	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.92	27.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
		For Schedule 80 Pipe, Add	*56.12*	
33 61 13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.92	33.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.10*	
		For Schedule 80 Pipe, Add	*61.00*	
33 61 13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	384.22	41.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.59*	
		For Schedule 80 Pipe, Add	*65.88*	
33 61 13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	484.61	52.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.30*	
		For Schedule 80 Pipe, Add	*82.95*	
33 61 13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	616.19	64.15
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.61*	
		For Schedule 80 Pipe, Add	*106.13*	
33 61 13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	716.26	75.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.32*	
		For Schedule 80 Pipe, Add	*123.21*	
33 61 13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,017.71	90.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.93*	
		For Schedule 80 Pipe, Add	*179.33*	
33 61 13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,327.40	108.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.67*	
		For Schedule 80 Pipe, Add	*236.66*	
33 61 13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,653.42	132.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.52*	
		For Schedule 80 Pipe, Add	*295.22*	

33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0112		**Elbows** *(33 61 13 00-0111)*			
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,387.17	
		For High-Density Polyethylene (HDPE) Jacket, Add		*25.11*	
33 61 13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,426.89	
		For High-Density Polyethylene (HDPE) Jacket, Add		*25.70*	
33 61 13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,629.94	
		For High-Density Polyethylene (HDPE) Jacket, Add		*29.24*	
33 61 13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,800.13	
		For High-Density Polyethylene (HDPE) Jacket, Add		*31.90*	
33 61 13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,969.10	
		For High-Density Polyethylene (HDPE) Jacket, Add		*33.23*	
33 61 13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,177.69	
		For High-Density Polyethylene (HDPE) Jacket, Add		*34.56*	
33 61 13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,520.70	
		For High-Density Polyethylene (HDPE) Jacket, Add		*39.88*	
33 61 13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,941.25	
		For High-Density Polyethylene (HDPE) Jacket, Add		*46.52*	
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,649.13	
		For High-Density Polyethylene (HDPE) Jacket, Add		*59.82*	
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		4,088.08	
		For High-Density Polyethylene (HDPE) Jacket, Add		*67.94*	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		5,833.46	
		For High-Density Polyethylene (HDPE) Jacket, Add		*98.22*	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		7,627.67	
		For High-Density Polyethylene (HDPE) Jacket, Add		*125.54*	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		9,929.39	
		For High-Density Polyethylene (HDPE) Jacket, Add		*166.16*	
33 61 13 00-0126		**Elbows** *(33 61 13 00-0111)*			
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,481.33	
		For High-Density Polyethylene (HDPE) Jacket, Add		*26.99*	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,523.26	
		For High-Density Polyethylene (HDPE) Jacket, Add		*27.63*	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,739.60	
		For High-Density Polyethylene (HDPE) Jacket, Add		*31.44*	
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,919.77	
		For High-Density Polyethylene (HDPE) Jacket, Add		*34.30*	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,093.72	
		For High-Density Polyethylene (HDPE) Jacket, Add		*35.72*	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,307.30	
		For High-Density Polyethylene (HDPE) Jacket, Add		*37.15*	
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,670.24	
		For High-Density Polyethylene (HDPE) Jacket, Add		*42.87*	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,115.71	
		For High-Density Polyethylene (HDPE) Jacket, Add		*50.01*	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,873.44	
		For High-Density Polyethylene (HDPE) Jacket, Add		*64.30*	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		4,342.86	
		For High-Density Polyethylene (HDPE) Jacket, Add		*73.04*	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		6,201.79	
		For High-Density Polyethylene (HDPE) Jacket, Add		*105.59*	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		8,098.46	
		For High-Density Polyethylene (HDPE) Jacket, Add		*134.96*	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		10,552.49	
		For High-Density Polyethylene (HDPE) Jacket, Add		*178.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0140		**Elbows** *(33 61 13 00-0111)*		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,575.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.87*	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,619.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.55*	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,849.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.63*	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,039.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.69*	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,218.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.22*	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,436.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.75*	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,819.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.86*	
33 61 13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,290.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.50*	
33 61 13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,097.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.79*	
33 61 13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,597.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*78.13*	
33 61 13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,570.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.95*	
33 61 13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,569.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*144.37*	
33 61 13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,175.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*191.08*	
33 61 13 00-0154		**Elbows** *(33 61 13 00-0111)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,669.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.76*	
33 61 13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,716.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.48*	
33 61 13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,958.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.82*	
33 61 13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,159.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.08*	
33 61 13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,342.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.71*	
33 61 13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,566.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.34*	
33 61 13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,969.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.85*	
33 61 13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,464.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.99*	
33 61 13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,322.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.28*	
33 61 13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,852.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*83.23*	
33 61 13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,938.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*120.32*	
33 61 13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,040.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*153.79*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61 13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,798.69	
			For High-Density Polyethylene (HDPE) Jacket, Add	*203.55*	
	33 61 13 00-0168		Tees *(33 61 13 00-0110)*		
	33 61 13 00-0169		Tees *(33 61 13 00-0168)*		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,061.85	
			For High-Density Polyethylene (HDPE) Jacket, Add	*37.29*	
	33 61 13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,120.87	
			For High-Density Polyethylene (HDPE) Jacket, Add	*38.16*	
	33 61 13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,422.75	
			For High-Density Polyethylene (HDPE) Jacket, Add	*43.43*	
	33 61 13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,676.02	
			For High-Density Polyethylene (HDPE) Jacket, Add	*47.38*	
	33 61 13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,928.16	
			For High-Density Polyethylene (HDPE) Jacket, Add	*49.35*	
	33 61 13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,239.81	
			For High-Density Polyethylene (HDPE) Jacket, Add	*51.32*	
	33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,751.15	
			For High-Density Polyethylene (HDPE) Jacket, Add	*59.22*	
	33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,376.98	
			For High-Density Polyethylene (HDPE) Jacket, Add	*69.09*	
	33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,432.30	
			For High-Density Polyethylene (HDPE) Jacket, Add	*88.83*	
	33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,082.12	
			For High-Density Polyethylene (HDPE) Jacket, Add	*100.89*	
	33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,674.82	
			For High-Density Polyethylene (HDPE) Jacket, Add	*145.86*	
	33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,349.73	
			For High-Density Polyethylene (HDPE) Jacket, Add	*186.43*	
	33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,769.45	
			For High-Density Polyethylene (HDPE) Jacket, Add	*246.75*	
	33 61 13 00-0183		Tees *(33 61 13 00-0168)*		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,201.68	
			For High-Density Polyethylene (HDPE) Jacket, Add	*40.08*	
	33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,263.98	
			For High-Density Polyethylene (HDPE) Jacket, Add	*41.03*	
	33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,585.60	
			For High-Density Polyethylene (HDPE) Jacket, Add	*46.68*	
	33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,853.68	
			For High-Density Polyethylene (HDPE) Jacket, Add	*50.93*	
	33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,113.22	
			For High-Density Polyethylene (HDPE) Jacket, Add	*53.05*	
	33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,432.28	
			For High-Density Polyethylene (HDPE) Jacket, Add	*55.17*	
	33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,973.22	
			For High-Density Polyethylene (HDPE) Jacket, Add	*63.66*	
	33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,636.07	
			For High-Density Polyethylene (HDPE) Jacket, Add	*74.27*	
	33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,765.41	
			For High-Density Polyethylene (HDPE) Jacket, Add	*95.49*	
	33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,460.47	
			For High-Density Polyethylene (HDPE) Jacket, Add	*108.46*	
	33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,221.78	
			For High-Density Polyethylene (HDPE) Jacket, Add	*156.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,048.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*200.41*	
33 61 13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,694.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*265.25*	

33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,341.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.88*	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,407.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.89*	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,748.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.94*	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,031.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.48*	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,298.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.75*	
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,624.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.02*	
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,195.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.10*	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,895.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.45*	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,098.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*102.15*	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,838.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*116.03*	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,768.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*167.73*	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,747.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*214.40*	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,620.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*283.76*	

33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,481.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.68*	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,550.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.75*	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,911.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.20*	
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,209.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.04*	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,483.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.45*	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,817.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*62.87*	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,417.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.54*	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,154.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.63*	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,431.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.82*	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,217.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*123.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,315.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.67*	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,447.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*228.38*	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,545.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*302.27*	

33 61 13 00-0225 Reducers *(33 61 13 00-0110)*

33 61 13 00-0226 Reducers *(33 61 13 00-0225)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,160.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.84*	
33 61 13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,194.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.33*	
33 61 13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,364.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.27*	
33 61 13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,508.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.48*	
33 61 13 00-0231	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,655.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.58*	
33 61 13 00-0232	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,849.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.69*	
33 61 13 00-0233	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,133.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.10*	
33 61 13 00-0234	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,484.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.62*	
33 61 13 00-0235	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,075.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.65*	
33 61 13 00-0236	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,441.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.39*	
33 61 13 00-0237	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,906.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*81.52*	
33 61 13 00-0238	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,426.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*104.20*	
33 61 13 00-0239	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,352.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*137.91*	

33 61 13 00-0240 Reducers *(33 61 13 00-0225)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,238.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.40*	
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,274.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.93*	
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,455.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.09*	
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,607.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.47*	
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,759.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.65*	
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,956.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.84*	
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,257.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.58*	
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,628.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.51*	
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,261.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,653.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.62*	
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,212.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*87.64*	
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,816.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.02*	
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,869.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*148.26*	

33 61 13 00-0254 Reducers *(33 61 13 00-0225)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,316.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.97*	
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,354.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.53*	
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,546.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.91*	
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,706.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.45*	
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,862.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.72*	
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,064.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.99*	
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,381.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.06*	
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,773.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.41*	
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,447.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.10*	
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,864.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.85*	
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,517.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*93.75*	
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,207.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*119.83*	
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,386.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*158.60*	

33 61 13 00-0268 Reducers *(33 61 13 00-0225)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,395.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.53*	
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,434.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.13*	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,637.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.73*	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,806.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.44*	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,966.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.79*	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,171.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.14*	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,505.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.55*	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,918.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,633.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.82*	
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,076.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.08*	
33 61 13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,823.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*99.86*	
33 61 13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,598.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*127.65*	
33 61 13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,903.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*168.94*	

33 61 13 00-0282 Preinsulated Type K Copper Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0283 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.66	18.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.05	20.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.90	21.60
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.66	22.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.07	24.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	77.23	29.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	89.71	36.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	113.75	46.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	141.71	56.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	165.44	66.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	216.04	81.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	269.43	96.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	333.68	118.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	

33 61 13 00-0297 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.80	18.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.40	20.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.55	21.60
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.51	22.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.04	24.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	80.47	29.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	93.20	36.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	118.15	46.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	147.34	56.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	171.97	66.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	225.55	81.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.98	96.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.33	118.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.87	18.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.58	20.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.88	21.60
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.93	22.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.53	24.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	82.09	29.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	94.95	36.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	120.35	46.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	150.15	56.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	175.24	66.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	230.31	80.68
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	288.25	96.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	357.16	118.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0325 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.48	18.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.34	20.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.87	21.60
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.07	22.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.76	24.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.51	29.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	97.57	36.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	123.65	46.54
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	154.37	56.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	180.14	66.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	237.44	80.68
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	297.66	96.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	368.90	118.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 00-0339 Preinsulated Copper Fittings *(33 61 13 00-0052)*

33 61 13 00-0340 Elbows *(33 61 13 00-0339)*

33 61 13 00-0341 Elbows *(33 61 13 00-0340)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	358.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	373.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	430.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	488.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	590.41
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	726.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	845.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	986.98
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,153.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,261.28
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,756.87
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,394.52
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*
33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,024.97
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*

33 61 13 00-0355 Elbows *(33 61 13 00-0340)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	376.92
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*
33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	391.94
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*
33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	451.42
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*
33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	511.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	614.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.94*	
33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	752.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	874.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,020.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.72*	
33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,197.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,310.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,828.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,486.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,146.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.72*	

33 61 13 00-0369 Elbows *(33 61 13 00-0340)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	395.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	410.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	472.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	534.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	638.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	777.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	903.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,054.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.40*	
33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,240.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,360.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,899.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,577.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,267.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	

33 61 13 00-0383 Elbows *(33 61 13 00-0340)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	413.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	429.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	494.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.96*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0387		EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	558.12	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.60*	
33 61 13 00-0388		EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	663.09	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0389		EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	802.48	
			For High-Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0390		EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	932.88	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.50*	
33 61 13 00-0391		EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,088.72	
			For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0392		EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,284.59	
			For High-Density Polyethylene (HDPE) Jacket, Add	*14.24*	
33 61 13 00-0393		EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,410.15	
			For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0394		EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,971.50	
			For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0395		EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,668.60	
			For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 00-0396		EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,388.70	
			For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 00-0397 Tees *(33 61 13 00-0339)*

33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0399		EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	534.20	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0400		EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	555.89	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0401		EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.69	
			For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0402		EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	727.66	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0403		EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	880.25	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0404		EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,084.63	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0405		EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,262.72	
			For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 00-0406		EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,473.73	
			For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0407		EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,725.02	
			For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0408		EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,882.74	
			For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0409		EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,619.31	
			For High-Density Polyethylene (HDPE) Jacket, Add	*28.35*	
33 61 13 00-0410		EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,575.45	
			For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0411		EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,513.22	
			For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0413		EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	561.38	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0414		EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	583.71	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	672.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	762.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	916.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,122.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,305.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,524.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,789.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,956.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.08*	
33 61 13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,725.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,711.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,693.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.56*	

33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	588.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	611.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	704.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	796.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	952.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,159.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,349.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,574.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,854.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,030.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,830.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,844.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,876.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.16*	

33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	615.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0442		EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	639.35	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0443		EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	735.67	
			For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0444		EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	831.26	
			For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0445		EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	988.18	
			For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0446		EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,196.87	
			For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0447		EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,392.23	
			For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0448		EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,624.83	
			For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0449		EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,919.29	
			For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0450		EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,103.82	
			For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 00-0451		EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,937.13	
			For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	
33 61 13 00-0452		EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,980.47	
			For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0453		EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,055.97	
			For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 00-0454 Reducers *(33 61 13 00-0339)*

33 61 13 00-0455 Reducers *(33 61 13 00-0454)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0456		EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	305.69	
			For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0457		EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.37	
			For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0458		EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	367.20	
			For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0459		EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	417.73	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0460		EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	508.64	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0461		EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	639.48	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0462		EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	737.65	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0463		EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	856.38	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0464		EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	997.91	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0465		EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,089.12	
			For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0466		EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,514.46	
			For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0467		EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,070.25	
			For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0468		EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,607.27	
			For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 00-0469 Reducers *(33 61 13 00-0454)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	320.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	333.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	384.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	437.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	528.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	660.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.99*	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	761.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	884.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,034.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,130.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,573.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,146.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,707.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	336.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	402.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	456.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	548.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	681.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	785.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	912.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,070.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,171.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,632.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.22*	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,221.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.29*	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,808.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0497			**Reducers** *(33 61 13 00-0454)*		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	351.27	
			For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
	33 61 13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	365.02	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
	33 61 13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	420.28	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	
	33 61 13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	475.63	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
	33 61 13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	568.96	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
	33 61 13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	702.22	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	
	33 61 13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	810.04	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
	33 61 13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	940.83	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	
	33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,106.49	
			For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	
	33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,212.68	
			For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
	33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,692.33	
			For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
	33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,297.74	
			For High-Density Polyethylene (HDPE) Jacket, Add	*24.81*	
	33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,909.16	
			For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	
33 61 13 00-0511			**Preinsulated Ductile Iron Carrier Pipe** *(33 61 13 00-0052)*		
			Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0512			**Ductile Iron Carrier Pipe** *(33 61 13 00-0511)*		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	426.61	60.12
	33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	629.60	86.34
	33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	887.89	104.31
	33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,153.74	124.14
	33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,436.42	152.78
33 61 13 00-0518			**Ductile Iron Carrier Pipe** *(33 61 13 00-0511)*		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	465.96	60.16
	33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	688.06	86.34
	33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	972.98	104.31
	33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,266.03	124.14
	33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,576.50	152.78
	33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,737.81	163.02
	33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,986.01	174.66
	33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,267.03	186.32
	33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,516.97	197.96
	33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,039.01	215.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0529		Preinsulated Ductile Iron Fittings *(33 61 13 00-0052)*		
33 61 13 00-0530		Elbows *(33 61 13 00-0529)*		
33 61 13 00-0531		Elbows *(33 61 13 00-0530)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,099.68	
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,779.78	
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,279.06	
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,753.62	
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	14,066.68	
33 61 13 00-0537		Elbows *(33 61 13 00-0530)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,585.91	
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,489.82	
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,305.56	
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,065.67	
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,803.22	
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,349.70	
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,140.45	
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,964.36	
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	36,549.25	
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	46,265.57	
33 61 13 00-0548		Tees *(33 61 13 00-0529)*		
33 61 13 00-0549		Tees *(33 61 13 00-0548)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,097.26	
33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,594.28	
33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,306.53	
33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,991.76	
33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	20,913.32	
33 61 13 00-0555		Tees *(33 61 13 00-0548)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,819.31	
33 61 13 00-0557	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,648.71	
33 61 13 00-0558	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,830.88	
33 61 13 00-0559	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	17,940.17	
33 61 13 00-0560	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,492.10	
33 61 13 00-0561	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,575.63	
33 61 13 00-0562	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	34,179.70	
33 61 13 00-0563	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	42,782.47	
33 61 13 00-0564	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	53,998.17	
33 61 13 00-0565	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	68,325.65	
33 61 13 00-0566		Reducers *(33 61 13 00-0529)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0567			Reducers *(33 61 13 00-0566)*		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0568	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,445.52	
	33 61 13 00-0569	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,845.81	
	33 61 13 00-0570	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,936.40	
	33 61 13 00-0571	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,020.61	
	33 61 13 00-0572	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,786.37	
33 61 13 00-0573			Reducers *(33 61 13 00-0566)*		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0574	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,849.09	
	33 61 13 00-0575	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,435.15	
	33 61 13 00-0576	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,788.37	
	33 61 13 00-0577	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,109.61	
	33 61 13 00-0578	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,227.71	
	33 61 13 00-0579	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	16,074.37	
	33 61 13 00-0580	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,213.92	
	33 61 13 00-0581	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,974.16	
	33 61 13 00-0582	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	30,356.57	
	33 61 13 00-0583	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	38,464.33	
33 61 13 00-0584			Tempered Water Piping Pre-Insulated *(33 61 13 00-0052)*		
33 61 13 00-0585			Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
	33 61 13 00-0586	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	151.17	25.51
	33 61 13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	197.17	29.21
	33 61 13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	274.00	31.63
	33 61 13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	377.38	39.53
	33 61 13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	484.12	48.75
33 61 13 00-0591			Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
	33 61 13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	74.67	29.21
	33 61 13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	89.53	29.21
	33 61 13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	103.67	29.21
	33 61 13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	123.92	34.53
	33 61 13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	150.06	43.83
33 61 13 00-0597			Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
	33 61 13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	74.66	29.21
	33 61 13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	89.53	29.21
	33 61 13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	102.33	29.21
	33 61 13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	123.91	34.53
	33 61 13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	150.06	43.83

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0002		**Electrical Pull Boxes** *(33 71 19 13-0001)*		
		See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,623.26	557.30
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,175.33	617.72
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,705.53	671.44
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,922.34	805.73
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,353.42	805.73
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,851.57	839.30
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,895.54	940.02
33 71 19 13-0010		**Electrical Pull Boxes (CALTRANS)** *(33 71 19 13-0001)*		
33 71 19 13-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	143.70	
33 71 19 13-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	57.59	
33 71 19 13-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	88.39	
33 71 19 13-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	187.59	
33 71 19 13-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	290.44	
		For Galvanized Steel Cover, Add	*49.79*	
33 71 19 13-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	72.57	
33 71 19 13-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	72.57	
33 71 19 13-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box	205.51	
33 71 19 13-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	77.06	
33 71 19 13-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	107.86	
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	385.37	
		For Galvanized Steel Cover, Add	*91.29*	
33 71 19 13-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	103.00	
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	96.30	
33 71 19 13-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box	224.98	
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	103.23	
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	134.03	
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	529.00	
		For Galvanized Steel Cover, Add	*127.80*	
33 71 19 13-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	122.47	
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	115.17	
33 71 19 13-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	158.99	
33 71 19 13-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	322.01	
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	463.27	
33 71 19 13-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	146.81	
33 71 19 13-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	134.64	
33 71 19 13-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	419.72	
33 71 19 13-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	670.19	
33 71 19 13-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	176.03	
33 71 19 13-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	171.16	
33 71 19 13-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	597.43	
33 71 19 13-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	937.96	
33 71 19 13-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	297.74	
33 71 19 13-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	232.01	
33 71 19 13-0043		**Electrical Property Line Boxes** *(33 71 19 13)*		
33 71 19 13-0044	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,641.32	453.22
33 71 19 13-0045	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,641.91	470.01
33 71 19 13-0046	EA	6' x 4' x 5' Deep Property Line Box	7,276.84	570.73
33 71 19 13-0047	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	11,148.43	839.30
33 71 19 13-0048		**Manhole Accessories** *(33 71 19 13)*		
33 71 19 13-0049	EA	6" Precast Grade Ring Riser Casting	545.34	161.17
33 71 19 13-0050	EA	12" Precast Grade Ring Riser Casting	590.60	174.60
33 71 19 13-0051	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,054.80	268.62
33 71 19 13-0052	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,675.07	335.77
33 71 19 13-0053	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	895.73	179.30
33 71 19 13-0054	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,127.62	201.46

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	36.01	
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	72.05	
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	73.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	148.38	
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	108.85	
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	218.95	
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	329.28	
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	202.75	
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	404.27	
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	622.86	
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	288.29	
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	578.66	
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	860.59	
33 71 19 23-0016		**Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System** *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.62	
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.95	
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.36	
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.40	
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.77	
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	46.26	
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.23	
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	30.47	
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	60.99	
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	91.46	
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.20	
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	38.38	
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	74.28	
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	105.27	
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	34.19	
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	51.96	
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	104.16	
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	168.53	
33 71 19 23-0035		**Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System** *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.57	
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.93	
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	40.07	
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.83	
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	23.64	
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	47.14	
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.57	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	31.17	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	62.39	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	93.57	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.74	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	39.44	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	76.40	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	108.45	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.92	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	53.48	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	107.21	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	173.10	
33 71 19 23-0054		**Male Or Female Adapters** *(33 71 19 23-0001)*		
33 71 19 23-0055	EA	2" Adapter	46.14	
33 71 19 23-0056	EA	3" Adapter	66.35	
33 71 19 23-0057	EA	4" Adapter	85.65	
33 71 19 23-0058	EA	5" Adapter	130.53	
33 71 19 23-0059	EA	6" Adapter	161.57	
33 71 19 23-0060		**Underground Electrical Concrete Markers** *(33 71 19 23)*		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	400.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	453.53	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	136.56	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	1,032.34	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes and Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*
Note: Excludes beam.

41 22 23 13-0002	EA	500 Lb. Capacity, Air-Powered Chain Hoist	8,008.41	453.32
41 22 23 13-0003	EA	1,000 Lb. Capacity, Air-Powered Chain Hoist	8,101.77	453.32
41 22 23 13-0004	EA	2,000 Lb. Capacity, Air-Powered Chain Hoist	9,766.18	453.32
41 22 23 13-0005	EA	4,000 Lb. Capacity, Air-Powered Chain Hoist	12,335.97	604.44
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	15,568.19	755.54
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	18,331.27	1,110.35
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	21,162.99	1,341.09
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	21,521.86	1,341.09

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*
Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	3,192.01	438.22
		For DC Electrical Operated, Add	*578.23*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	3,319.35	438.22
		For DC Electrical Operated, Add	*609.47*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	3,642.84	438.22
		For DC Electrical Operated, Add	*686.73*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	5,351.25	453.32
		For DC Electrical Operated, Add	*1,104.26*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	4,658.82	453.32
		For DC Electrical Operated, Add	*928.46*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	6,541.05	468.44
		For DC Electrical Operated, Add	*1,386.85*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	6,004.23	513.77
		For DC Electrical Operated, Add	*1,210.36*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	7,342.74	634.65
		For DC Electrical Operated, Add	*1,537.59*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	8,577.21	645.42
		For DC Electrical Operated, Add	*1,865.16*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	13,663.94	673.48
		For DC Electrical Operated, Add	*3,078.96*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	16,307.12	701.54
		For DC Electrical Operated, Add	*3,725.17*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	22,417.13	729.60
		For DC Electrical Operated, Add	*5,237.69*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	28,609.59	799.76
		For DC Electrical Operated, Add	*6,750.56*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		Hand Chain Hoists *(41 22 23 13)*		
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,899.56	180.17
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,234.09	182.64
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	2,991.98	191.28
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,364.78	193.75
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	4,056.63	203.62
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,544.42	238.17
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,289.83	245.58
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	8,210.44	296.18
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	10,021.69	309.75
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	17,636.97	354.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001 Diaphragm Pump *(43 23 78 31)*

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	4,994.76	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	4,110.91	

43 40 Gas and Liquid Storage *(43)*

43 42 Pressurized Tanks And Vessels *(43 40)*

43 42 41 Metallic Specialty Pressure Tanks *(43 42)*

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank	2,212.31	138.88
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank	4,094.04	208.31
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank	5,864.66	222.20

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